



**Georgia Power Company**  
**Plant McIntosh Landfill No. 4**  
Permit No. 051-010D(LI)  
Effingham County

**2021 ANNUAL GROUNDWATER MONITORING AND  
CORRECTIVE ACTION REPORT**



**ATLANTIC COAST  
CONSULTING, INC.**

## PROFESSIONAL CERTIFICATION

This *2021 Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Company – Plant McIntosh Existing Landfill No. 4* has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residuals 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 and 391-3-4-.14 by a qualified groundwater scientist or engineer with Atlantic Coast Consulting, Inc. (ACC).

### ATLANTIC COAST CONSULTING, INC.



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## SUMMARY

This summary of the 2021 Annual Groundwater Monitoring and Corrective Action Report provides the January through December 2021 groundwater monitoring and corrective action program status for Georgia Power Company (Georgia Power) Plant McIntosh Landfill No. 4 (Site). This summary was prepared by Atlantic Coast Consulting, Inc. (ACC) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6<sup>1</sup> of the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (CFR) 257 Subpart D].

Plant McIntosh is located at 981 Old Augusta Central Road, approximately 4 miles northeast of the City of Rincon, and 20 miles north of the City of Savannah in Effingham County, Georgia. The Site is located on the western portion of the Plant McIntosh property.

Groundwater at the site is monitored using a comprehensive monitoring system of wells installed to meet federal and state monitoring requirements of Permit No. 051-010D(LI). Routine sampling and reporting began after background groundwater conditions were established between August 2004 and November 2006 in accordance with the Solid Waste Permit requirements

specified in the Design and Operation (D&O) Plan. The monitoring program was modified to include Appendix III parameters<sup>2</sup> to meet the requirements of 40 CFR § 257.90 through § 257.95. Background groundwater conditions for Appendix III and IV parameters<sup>3</sup> were established between April 2016 and July 2017. During the 2021 annual reporting period, the Site remained in detection monitoring.

During the 2021 annual reporting period, ACC conducted two semiannual groundwater sampling events in March and August. Groundwater samples were submitted to Eurofins TestAmerica, Inc. (Eurofins) for analysis. Per the CCR Rule, groundwater results for March 2021 and August 2021 data were evaluated in accordance with the certified statistical



PLANT MCINTOSH AND SITE

<sup>1</sup> 80 FR 21468, Apr. 17, 2015, as amended at 81 FR 51807, Aug. 5, 2016; 83 FR 36452, July 30, 2018; 85 FR 53561, Aug. 28, 2020

<sup>2</sup> Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)

<sup>3</sup> Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226+228

methods. That evaluation indicated no statistically significant values of required parameters in any well.

Based on review of the Appendix III statistical results completed for the groundwater monitoring and corrective action program from January through December 2021, the Site will continue in detection monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to Georgia Power's website and provided to the Georgia Environmental Protection Division (EPD) semiannually.

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## 1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management 391-3-4-.10, Atlantic Coast Consulting, Inc. (ACC) has prepared this *2021 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at the Georgia Power Company (Georgia Power) Plant McIntosh Landfill No. 4 (Site). Semiannual monitoring and reporting for the CCR Unit are performed in accordance with the monitoring requirements of 40 CFR § 257.90 through § 257.95 of the Federal CCR Rule and Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a).

Groundwater monitoring is currently performed in accordance with the Solid Waste Permit No. 051-010D(LI) requirements specified in the Design and Operation (D&O) Plan (Georgia Power, 2010). A Georgia EPD-approved 2017 permit minor modification added parameters included in Appendix III and IV of 40 CFR § 257 Subpart D to the groundwater monitoring plan. An application for a new Georgia CCR permit was submitted to Georgia EPD in November 2018 for the facility to replace the existing Solid Waste Permit.

This report provides the results of the sampling events conducted in March and August 2021 and includes: (1) results for a list of constituents derived from Appendix I of 40 CFR § 258 included in the D&O Plan in the permit; and (2) CCR detection monitoring sampling events for 40 CFR § 257 Appendix III constituents.

This document serves as the *2021 Annual Groundwater Monitoring and Corrective Action Report* in accordance with Georgia EPD Rule 391-3-4-.10(6)(a).

### 1.1 Site Description and Background

Plant McIntosh is located at 981 Old Augusta Central Road, in Effingham County, Georgia, approximately 4 miles northeast of the City of Rincon, and 20 miles north of the City of Savannah. The plant is situated on approximately 2,300 acres (Figure 1, Site Location Map) west of the Savannah River. The Site is located on the western portion of the plant property.

Landfill No. 4 is comprised of Cells 1 and 2A (Figure 2, Well Location Map). Closure construction for Cell 1 of Landfill No. 4 began in June 2015 and final cover construction was completed in August 2016. Georgia Power began construction of Cell 2A in June 2015 and received approval to begin receiving solid waste for disposal on July 20, 2017. Cell 2A of Landfill No. 4 began receiving CCR waste in September 2017. Cells 2B, 3, and 4 are for future development.

### 1.2 Regional Geology and Hydrogeologic Setting

Plant McIntosh is located in the Atlantic Coastal Plain Physiographic Province and situated on sediments that were deposited from the Cretaceous to Pleistocene periods. Regional lithology consists of stratified marine deposits and materials eroded from crystalline rock of the Piedmont Physiographic Province. Boring logs describe soils as interbedded clays, silts, and sands typical of Atlantic Coastal Plain sediments (GEI, 2018).

Monitoring wells and piezometers are screened in the surficial aquifer between approximately 40 and 10 feet North American Vertical Datum of 1988 (NAVD88). The predominant groundwater flow direction is generally to the north but ranges from slightly northeast near Cell 1 to north-northwest near Cell 2B (Figures 3 and 4, Potentiometric Contour Map, March 2021 and August 2021, respectively).

### **1.3 Groundwater Monitoring Well Network and CCR Unit Description**

A groundwater monitoring system was installed within the uppermost aquifer at Plant McIntosh Existing Landfill No. 4. The monitoring system is designed to monitor groundwater passing the waste boundary of the CCR Unit within the uppermost aquifer. Figure 2 shows the monitoring well locations. The monitoring system forms a perimeter network around Cells 1, 2A, and 2B (Figure 2). Since Cell 2B has not been developed, monitoring network wells associated with this cell are considered background monitoring locations until future cell construction occurs. Wells were located to serve as upgradient and downgradient monitoring points based on groundwater flow direction (Table 1, Monitoring Network Well Summary).

## **2.0 GROUNDWATER MONITORING ACTIVITIES**

Pursuant to 40 CFR § 257.90(e), the following describes monitoring-related activities performed during January through December 2021 and discusses any change in status of the monitoring program. All groundwater sampling was performed in accordance with 40 CFR § 257.93. Samples were collected from each well in the certified monitoring system shown on Figure 2 in March and August 2021. Pursuant to 40 CFR § 257.90(e)(3), a summary and description of groundwater sampling events completed at the Site during the annual period is shown on Table 2, Groundwater Sampling Event Summary.

### **2.1 Monitoring Well Installation and Maintenance**

There were no changes to the groundwater monitoring system during this semiannual period; the network remains the same as in the previous reporting period and is shown on Figure 2. Monitoring well-related activities were limited to the following: visual inspection of well conditions prior to sampling, recording the site conditions, and performing exterior maintenance necessary for sampling under safe and clean conditions. Well inspection checklists completed during semiannual sampling are included in Appendix A, Laboratory Analytical and Field Sampling Reports.

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

### **2.2 Detection Monitoring Program**

Detection monitoring is performed on a semiannual basis in accordance with the approved Georgia EPD Solid Waste Permit and the Site's D&O Plan. The semiannual sampling events were conducted in March and August 2021.



Groundwater samples from wells in the detection monitoring system were collected from each monitoring well and analyzed for:

- A state-modified Appendix I list of detection parameters according to Georgia EPD Rules for Solid Waste Management 391-3-4-.14 and the approved D&O Plan. The state-modified analyte list includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, and zinc; and
- Appendix III constituents according to 40 CFR § 257.94(a).

Copies of the analytical data packages for the semiannual detection monitoring events are included in Appendix A.

### 2.3 Additional Sampling

No additional sampling was conducted during the monitoring period.

## 3.0 SAMPLE METHODOLOGY AND ANALYSIS

The following sections describe the methods used to conduct groundwater monitoring at the Site.

### 3.1 Groundwater Flow Direction, Gradient, and Velocity

Prior to the sampling event, groundwater elevations were recorded from each well in the network at the Site. Groundwater elevations recorded during the monitoring events are summarized in Tables 3A and 3B, Summary of Groundwater Elevations – March and August 2021, respectively. Groundwater elevation data were used to develop Figures 3 and 4. As shown on the figure, the flow direction is generally to the north but ranges from slightly northeast near Cell 1 to north-northwest near Cell 2B. Groundwater flow patterns observed during the March and August 2021 monitoring events are consistent with historical patterns.

The groundwater flow velocity at the Site was calculated using a derivation of Darcy's Law. Specifically:

#### Equation

$$v = \frac{K (dh/dl)}{P_e} \quad \text{where:} \quad \begin{array}{l} v = \text{groundwater velocity} \\ K = \text{hydraulic conductivity} \\ dh/dl = \text{hydraulic gradient} \\ P_e = \text{effective porosity} \end{array}$$

Groundwater flow velocities were calculated for the Site based on hydraulic gradients, average hydraulic conductivity based on previous slug test data, and an estimated effective porosity of 0.20. The groundwater flow velocity has been calculated and is tabulated on Tables 4A and 4B, Horizontal Groundwater Flow Velocity Calculations – March and August 2021. The calculated flow velocity was approximately 0.056 feet per day during the March 2021 event and 0.053 feet per day during the August 2021 event.

These calculated groundwater velocities across the Site are generally consistent with historical calculations and with expected velocities in the Site-specific geology, therefore, confirming the groundwater monitoring network is properly located to monitor the uppermost aquifer.

### **3.2 Groundwater Sampling**

Groundwater samples were collected using low-flow sampling procedures in accordance with 40 CFR § 257.93(a). Purging and sampling was performed using either a peristaltic pump or non-dedicated QED bladder pump. In all cases pump intakes were located at the midpoint of the well screen (or as appropriate determined by the water level). All non-disposable equipment was decontaminated before use and between well locations using procedures described in the latest version of the Region 4 US EPA Lab Services and Applied Science Division (LSASD) Operating Procedure for Field Equipment Cleaning and Decontamination as a guide (US EPA, 2020).

An Aqua Troll 500 water quality meter was used to monitor and record field parameters (pH, specific conductance, oxidation-reduction potential [ORP], dissolved oxygen [DO], and temperature) during well purging prior to sampling. Turbidity was measured using a Hach 2100Q portable turbidimeter. Groundwater samples were collected when the following stabilization criteria were met:

- $\pm 0.1$  standard units for pH,
- $\pm 5\%$  for specific conductance,
- $\pm 10\%$  or 0.2 mg/L (milligrams per liter), whichever is greater, for DO where DO > 0.5 mg/L. No criterion applies if DO < 0.5 mg/L,
- Turbidity measurements less than 5 nephelometric turbidity units (NTU).

Once stabilization was achieved, samples were collected directly into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to Eurofins' Pittsburgh, Pennsylvania laboratory following chain-of-custody protocol. Stabilization logs for each well during each monitoring event are included in Appendix A.

### **3.3 Laboratory Analyses**

Analytical methods used for groundwater monitoring parameters are provided in laboratory reports in Appendix A. Samples were analyzed for Appendix I and Appendix III parameters required by the current state permit during the monitoring event performed in March and August 2021. Analytical data collected in the monitoring event are summarized in Tables 5A and 5B, Summary of Groundwater Analytical Data – March and August 2021, respectively.

Laboratory analyses were performed by Eurofins. Eurofins is accredited by the National Environmental Laboratory Accreditation Program (NELAP) and maintains a NELAP certification for all parameters analyzed for this project. In addition, Eurofins is certified to perform analysis by the State of Georgia. Laboratory reports and chain-of-custody records for the monitoring events are presented in Appendix A.

### **3.4 Quality Assurance and Quality Control**

During each sampling event, quality assurance/quality control (QA/QC) samples are collected at a rate of one set of QA/QC samples per every 10 samples. A set of QA/QC samples includes

equipment blanks, field blanks, and duplicate samples. QA/QC sample data were evaluated during data validation and are included in Appendix A.

Groundwater quality data in this report were validated in accordance with US EPA guidance (US EPA, 2011) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spike/matrix spike duplicate recoveries and relative percent differences (RPDs), post digestion spikes, laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits (RLs). The data are considered usable for meeting project objectives and the results are considered valid. The associated data validation report is included in Appendix A.

Values followed by a "J" flag in Tables 5A and 5B indicate that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory 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 ANALYSIS**

Statistical analysis of groundwater monitoring data was performed by Groundwater Stats Consulting, LLC (GSC) following the appropriate certified statistical methodology for the Site. A summary of the statistical methodology used at the Site for routine groundwater monitoring is provided in Table 6, Statistical Method Summary. Statistical analysis methods and results are provided in Appendix B, Statistical Analysis Report. A summary of methods and results are provided in the following sections.

##### **4.1 Methods**

The statistical method used at the Site was developed by GSC, using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, US EPA 530/ R-09-007 (US EPA, 2009). To develop the statistical methods, analytical data collected during the background period were evaluated and used to develop statistical limits for each Appendix I and Appendix III parameter. Sanitas groundwater statistical software was used to screen the data and 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.

Statistical analysis of the March and August 2021 monitoring events included a two-step analysis similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine background (US EPA Unified Guidance [2009], Chapter 7, Section 7.5).

Statistically significant increasing trends identified in upgradient wells are not considered statistically significant increases (SSIs) and are used only for evaluation of natural variability in background conditions. Typically, when changes in concentrations are present upgradient of the facility, it is an indication of naturally changing groundwater quality.

#### 4.1.1 State Appendix I Parameters

A permit minor modification was approved by Georgia EPD on August 20, 2019, following submittal of the *2019 First Semiannual Groundwater Monitoring Report* to allow for intrawell methods to be used for evaluation of state Appendix I parameters. A permit minor modification was approved by Georgia EPD on April 19, 2021 to implement a two-step statistical approach for the detection monitoring program to address an initial SSI over background for Appendix I and Appendix III constituents currently using an intrawell statistical approach. Statistical tests used to evaluate the groundwater monitoring data consist of intrawell prediction limits combined with a 1-of-2 verification resample plan for all required Appendix I parameters. Intrawell prediction limits are constructed from historical data within a given well, and the most recent sample is compared to background. Intrawell statistical methods are a conservative first step that may be overly sensitive to natural variation, particularly for nonparametric limits with small background sample sizes. Therefore, for instances where an apparent Appendix I SSI is identified by intrawell statistical methods, interwell statistical methods may be used as a reasonable second step to determine if the initial exceedance is below sitewide background.

If data from a sampling event initially exceeds the prediction limit, the resampling strategy may be used to verify the result. In 1-of-2 resampling, one independent resample may be collected and evaluated within 90 days to determine whether the initial exceedance is verified. If the resample exceeds the prediction limit, the initial exceedance is verified, and an SSI is identified. When a resample result does not verify the initial result, and does not exceed the prediction limit, there is no SSI. If resampling is not performed, the initial exceedance is a confirmed exceedance.

#### 4.1.2 Appendix III Parameters

Statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits combined with a 1-of-2 verification resample plan for Appendix III parameters boron, calcium, chloride, fluoride, pH, and total dissolved solids (TDS). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the same limit for each parameter.

Monitoring results for sulfate were evaluated using intrawell prediction limits combined with a 1-of-2 verification resample plan. As with the Appendix I methodology, instances where an intrawell statistical exceedance is identified, interwell statistical methods may be used to determine if the initial exceedance is below sitewide background prior to SSI identification. A summary of the statistical methodology used at the Site for routine groundwater monitoring is provided in Table 6.

### 4.2 Summary of Statistical Analyses Results for Appendix I Permit Parameters

No exceedances of Appendix I parameters were identified during the March and August 2021 semiannual events.

#### **4.3 Summary of Statistical Analyses Results for Appendix III Parameters**

No exceedances of Appendix III parameters were identified during the March and August 2021 semiannual events.

#### **5.0 ALTERNATE SOURCE DEMONSTRATIONS**

Alternate Source Demonstrations (ASD)s were previously submitted to EPD under separate report covers to address SSIs of Appendix I and Appendix III constituents. Based on EPD guidance, ASDs no longer require concurrence if an SSI has not been detected for two consecutive events, which indicates natural variability. No confirmed SSI was observed for either Appendix I or Appendix III constituents during the reporting period.

#### **6.0 MONITORING PROGRAM STATUS**

No SSIs were identified; therefore, the Site remains in detection monitoring.

#### **7.0 CONCLUSIONS AND FUTURE ACTIONS**

This *2021 Annual Groundwater Monitoring and Corrective Action Report* for Georgia Power Company's Plant McIntosh Existing Landfill No. 4 was prepared to fulfill the requirements of US EPA's CCR Rule and Georgia EPD Rules for Solid Waste Management Chapter 391-3-4-.10.

There were no SSIs of Appendix I or Appendix III parameters identified during the March and August 2021 semiannual events. The Site will remain in detection monitoring.

The next semiannual detection monitoring event is tentatively scheduled for March 2022.

#### **8.0 REFERENCES**

- Atlantic Coast Consulting, Inc. (ACC), 2020. *September 2020 Well Installation Addendum*. September 2020.
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- US EPA, 2011. *Region IV Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Athens, Georgia.
- US EPA, 2017. *Groundwater Sampling – Operating Procedure: SESDPROC-3-1-R4*, Athens, Georgia, 34 p.
- US EPA, 2020. *Field Equipment Cleaning and Decontamination – Operating Procedure: LSASDPROC-205-R4*, Athens, Georgia, 16 p.
- US EPA, 2017. *National Functional Guidelines for Inorganic Superfund Methods Data Review*, Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [US EPA-540-R-2017-001]. Washington, DC.

## TABLES

**Table 1**  
**Monitoring Network Well Summary**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Well	Installation Date (mm/dd/yyyy)	Northing	Easting	Top of Casing Elevation (NAVD88)	Bottom Depth (ft BTOC)	Bottom Elevation (NAVD88)	Depth to Top of Screen (ft BTOC)	Top of Screen Elevation (NAVD88)	Purpose
GWC-1	8/17/2004	855444.67	958416.09	46.85	28.29	18.56	17.79	29.06	Downgradient
GWA-2	8/17/2004	855307.00	958105.74	53.43	28.47	24.96	17.97	35.46	Upgradient
GWA-3	8/17/2004	855168.65	957788.07	57.75	38.31	19.44	27.81	29.94	Upgradient
GWC-4A(*GWB-4A)	8/4/2016	855352.40	957496.55	65.00	39.00	26.00	25.00	40.00	Upgradient
GWC-5(*GWB-5)	8/18/2004	855677.36	957324.69	62.09	41.71	20.38	31.21	30.88	Upgradient
GWC-9	8/16/2004	856726.86	957902.73	53.38	38.05	15.33	27.55	25.83	Downgradient
GWC-10	8/19/2004	856427.33	958081.67	49.39	33.16	16.23	22.66	26.73	Downgradient
GWC-11	8/18/2004	856116.10	958251.47	57.74	43.22	14.52	32.72	25.02	Downgradient
GWC-12	8/18/2004	855803.06	958419.42	57.05	41.10	15.95	30.60	26.45	Downgradient
GWA-13	10/23/2015	855669.78	957006.93	60.93	40.11	20.82	29.81	31.12	Upgradient
GWA-14	10/27/2015	855474.34	956656.93	61.59	49.90	11.69	39.60	21.99	Upgradient
GWC-15(*GWB-15)	10/27/2015	855322.04	956314.43	56.86	40.30	16.56	30.00	26.86	Upgradient
GWA-16(*GWB-16)	10/27/2015	855639.94	956094.72	54.67	40.27	14.40	29.97	24.70	Upgradient
GWC-17**	10/28/2015	856011.11	956102.53	54.29	40.05	14.24	29.75	24.54	Upgradient
GWC-18**	10/29/2015	856205.60	956438.23	59.74	42.20	17.54	31.90	27.84	Upgradient
GWC-19	10/29/2015	856400.67	956801.55	53.59	36.95	16.64	26.65	26.94	Downgradient
GWC-20	10/30/2015	856561.94	957093.84	47.36	30.13	17.23	19.83	27.53	Downgradient
GWC-21	11/4/2015	856734.02	957390.27	45.22	27.16	18.06	16.86	28.36	Downgradient
GWC-23	5/26/2016	856905.61	957714.35	52.43	33.70	18.73	22.73	29.70	Downgradient
GWC-22(*PZ-22)	11/4/2015	856950.76	957722.56	51.17	31.65	19.52	21.35	29.82	Piezometer

Notes:

1. Northings and Eastings are feet relative to North American Datum 1983 (NAD83), State Plane Georgia East Zone.
2. NAVD indicates feet relative to North American Vertical Datum of 1988.
3. ft BTOC indicates feet below top of casing.
4. \* Well shown within parentheses is proposed name change as described in 2018 permit submittal.
5. \*\* Wells GWC-17 and GWC-18 are included in background monitoring pool as described in the 2018 Alternative Source Demonstration.
6. Wells resurveyed June 2020.



**Table 2**  
**Groundwater Sampling Event Summary**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Well	Hydraulic Location	Mar. 16-17, 2021	Aug. 17-19, 2021
Purpose of Sampling Event		Semiannual Detection	Semiannual Detection
GWC-1	Downgradient	X	X
GWA-2	Upgradient	X	X
GWA-3	Upgradient	X	X
GWC-4A(*GWB-4A)	Upgradient	X	X
GWC-5(*GWB-5)	Upgradient	X	X
GWC-9	Downgradient	X	X
GWC-10	Downgradient	X	X
GWC-11	Downgradient	X	X
GWC-12	Downgradient	X	X
GWA-13	Upgradient	X	X
GWA-14	Upgradient	X	X
GWC-15(*GWB-15)	Upgradient	X	X
GWA-16(*GWB-16)	Upgradient	X	X
GWC-17**	Upgradient	X	X
GWC-18**	Upgradient	X	X
GWC-19	Downgradient	X	X
GWC-20	Downgradient	X	X
GWC-21	Downgradient	X	X
GWC-23	Downgradient	X	X

Notes:

1. X indicates sample was collected.
2. Semiannual Detection Event includes and state-modified Appendix I and Appendix III.
3. \* Well shown within parentheses is proposed name change as described in 2018 permit submittal.
4. \*\* Wells GWC-17 and GWC-18 are included in background monitoring pool as described in the 2018 Alternative Source Demonstration.

**Table 3A**  
**Summary of Groundwater Elevations**  
**March 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Well ID	Top of Casing Elevation (NAVD88)	Depth-to-Water (ft BTOC)	Groundwater Elevation (NAVD88)
GWC-1	46.85	14.15	32.70
GWA-2	53.43	15.56	37.87
GWA-3	57.75	20.85	36.90
GWC-4A(*GWB-4A)	65.00	23.89	41.11
GWC-5(*GWB-5)	62.09	22.94	39.15
GWC-9	53.38	29.08	24.30
GWC-10	49.39	24.59	24.80
GWC-11	57.74	33.10	24.64
GWC-12	57.05	26.46	30.59
GWA-13	60.93	24.47	36.46
GWA-14	61.59	25.74	35.85
GWC-15(*GWB-15)	56.86	22.00	34.86
GWA-16(*GWB-16)	54.67	23.81	30.86
GWC-17	54.29	26.82	27.47
GWC-18	59.74	35.51	24.23
GWC-19	53.59	29.46	24.13
GWC-20	47.36	22.70	24.66
GWC-21	45.22	20.84	24.38
GWC-22(*PZ-22)	51.17	27.76	23.41
GWC-23	52.43	28.80	23.63

Notes:

1. NAVD88 indicates feet North American Vertical Datum of 1988.
2. ft BTOC = feet below top of casing.
3. Depths to water measured March 15, 2021.
4. \* Well shown within parentheses is proposed name change as described in 2018 permit submittal.

**Table 3B**  
**Summary of Groundwater Elevations**  
**August 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Well ID	Top of Casing Elevation (NAVD88)	Depth-to-Water (ft BTOC)	Groundwater Elevation (NAVD88)
GWC-1	46.85	15.50	31.35
GWA-2	53.43	16.99	36.44
GWA-3	57.75	21.97	35.78
GWC-4A(*GWB-4A)	65.00	25.41	39.59
GWC-5(*GWB-5)	62.09	24.31	37.78
GWC-9	53.38	29.31	24.07
GWC-10	49.39	24.92	24.47
GWC-11	57.74	33.40	24.34
GWC-12	57.05	27.47	29.58
GWA-13	60.93	25.02	35.91
GWA-14	61.59	26.03	35.56
GWC-15(*GWB-15)	56.86	22.57	34.29
GWA-16(*GWB-16)	54.67	24.82	29.85
GWC-17	54.29	27.55	26.74
GWC-18	59.74	35.73	24.01
GWC-19	53.59	29.75	23.84
GWC-20	47.36	23.12	24.24
GWC-21	45.22	21.18	24.04
GWC-22(*PZ-22)	51.17	27.93	23.24
GWC-23	52.43	28.99	23.44

Notes:

1. NAVD88 indicates feet North American Vertical Datum of 1988.
2. ft BTOC = feet below top of casing.
3. Depths to water measured August 16, 2021.
4. \* Well shown within parentheses is proposed name change as described in 2018 permit submittal.

**Table 4A**  
**HORIZONTAL GROUNDWATER FLOW VELOCITY CALCULATIONS**  
**March 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Equation

$$v = \frac{K (dh/dl)}{P_e}$$

where: v = groundwater velocity  
K = hydraulic conductivity  
dh/dl = hydraulic gradient  
P<sub>e</sub> = effective porosity

Values Used in Calculation

Value	Source
K = 3.0E-04 cm/sec 0.86 ft/day	See note 1.
dh/dl <sub>1</sub> = 12.26/1053 ft/ft = 0.012 unitless	Hydraulic gradient from GWA-3 to GWC-11
dh/dl <sub>2</sub> = 15.52/1292 ft/ft 0.012 unitless	GWC-5(*GWB-5) to GWC-23
dh/dl <sub>3</sub> = 11.62/763 ft/ft 0.015 unitless	GWA-14 to GWC-18
dh/dl <sub>avg</sub> = 0.013 unitless	Average of dh/dl <sub>1,2,3</sub>
P <sub>e</sub> = 0.20 unitless	See note 2.

Calculated Flow Velocity

$$v = \frac{(0.86) (0.013)}{0.20}$$

$$v = 0.056 \text{ ft/day, or } 20 \text{ ft/year}$$

Notes

- (1) Slug tests performed by Southern Company Services, Inc. (2002)
- (2) Default value for silty sands from Interim Final RCRA Investigation (EPA, 1989)

**Table 4B**  
**HORIZONTAL GROUNDWATER FLOW VELOCITY CALCULATIONS**  
**August 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Equation

$$v = \frac{K ( dh/dl )}{P_e}$$

where: v = groundwater velocity  
K = hydraulic conductivity  
dh/dl = hydraulic gradient  
P<sub>e</sub> = effective porosity

Values Used in Calculation

Value	Source
K = 3.0E-04 cm/sec 0.86 ft/day	See note 1.
dh/dl <sub>1</sub> = 12.26/1053 ft/ft = 0.011 unitless	Hydraulic gradient from GWA-3 to GWC-11
dh/dl <sub>2</sub> = 15.52/1292 ft/ft 0.011 unitless	GWC-5(*GWB-5) to GWC-23
dh/dl <sub>3</sub> = 11.62/763 ft/ft 0.015 unitless	GWA-14 to GWC-18
dh/dl <sub>avg</sub> = 0.012 unitless	Average of dh/dl <sub>1,2,3</sub>
P <sub>e</sub> = 0.20 unitless	See note 2.

Calculated Flow Velocity

$$v = \frac{(0.86)(0.012)}{0.20}$$

$$v = 0.053 \text{ ft/day, or } 19 \text{ ft/year}$$

Notes

- (1) Slug tests performed by Southern Company Services, Inc. (2002)
- (2) Default value for silty sands from Interim Final RCRA Investigation (EPA, 1989)

**Table 5A**  
**Summary of Groundwater Analytical Data - March 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Parameter		Sample ID							
		GWC-1	GWA-2	GWA-3	GWC-4A	GWC-5	GWC-9	GWC-10	GWC-11
		3/16/2021	3/16/2021	3/16/2021	3/17/2021	3/17/2021	3/17/2021	3/16/2021	3/17/2021
APPENDIX III	<b>Boron</b>	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	0.045 J	<0.039
	<b>Calcium</b>	1.6	0.40 J	0.75	0.33 J	2.4	0.51	18	14
	<b>Chloride</b>	5.8	4.9	3.6	4.5	4.2	9.5	7.2	4.6
	<b>Fluoride</b>	<0.026	0.033 J	<0.026	<0.026	0.026 J	0.035 J	0.18	0.28
	<b>pH</b>	4.89	4.76	4.91	4.90	4.80	4.69	6.48	6.58
	<b>Sulfate</b>	1.6	<0.76	<0.76	3.5	<0.76	<0.76	2.4	5.6
	<b>TDS</b>	29	24	25	36	31	40	130	81
Required by Permit	<b>Antimony</b>	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038
	<b>Arsenic</b>	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	0.00069 J	0.0014
	<b>Barium</b>	0.039	0.035	0.015	0.014	0.040	0.041	0.019	0.016
	<b>Beryllium</b>	0.00022 J	<0.00018	<0.00018	<0.00018	<0.00018	0.00024 J	0.00033 J	0.00048 J
	<b>Cadmium</b>	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	<b>Chromium</b>	<0.0015	0.0015 J	0.0015 J	<0.0015	<0.0015	<0.0015	0.0054	0.0031
	<b>Cobalt</b>	0.0017 J	0.0013 J	0.00033 J	0.0014 J	0.00083 J	0.00092 J	<0.00013	0.00016 J
	<b>Copper</b>	<0.00063	<0.00063	<0.00063	0.0012 J	<0.00063	<0.00063	<0.00063	0.0019 J
	<b>Lead</b>	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	0.00031 J
	<b>Nickel</b>	0.0012	0.00072 J	<0.00034	0.00083 J	0.00041 J	0.00060 J	0.00043 J	0.00077 J
	<b>Selenium</b>	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	<b>Silver</b>	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	<b>Thallium</b>	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	0.00037 J	0.00047 J
	<b>Vanadium</b>	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	0.0013	0.0015
<b>Zinc</b>	0.0047 J	0.0045 J	0.0035 J	0.0039 J	0.0041 J	<0.0032	<0.0032	0.0032 J	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.  
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring.
6. Parameters required by Permit are Appendix I parameters included to meet EPD Rule 391-3-4-.14 requirements.
7. Proposed name changes as described in 2018 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWA-4A, GWA-5, GWA-15, and GWA-16, respectively.

**Table 5A**  
**Summary of Groundwater Analytical Data - March 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Parameter		Sample ID							
		GWC-12	GWA-13	GWA-14	GWC-15	GWA-16	GWC-17	GWC-18	GWC-19
		3/16/2021	3/16/2021	3/16/2021	3/17/2021	3/16/2021	3/16/2021	3/17/2021	3/16/2021
APPENDIX III	<b>Boron</b>	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039
	<b>Calcium</b>	0.62	0.40 J	0.51	5.5	0.48 J	2.0	9.1	7.0
	<b>Chloride</b>	3.8	4.0	4.1	4.0	4.1	4.9	4.7	6.5
	<b>Fluoride</b>	<0.026	<0.026	<0.026	<0.026	<0.026	0.13	0.54	0.092 J
	<b>pH</b>	4.97	4.47	4.76	5.41	4.68	4.83	5.99	5.45
	<b>Sulfate</b>	<0.76	<0.76	<0.76	<0.76	<0.76	<0.76	3.5	1.9
	<b>TDS</b>	19	23	17	29	20	25	59	65
Required by Permit	<b>Antimony</b>	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038
	<b>Arsenic</b>	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	0.00072 J	<0.00031
	<b>Barium</b>	0.010	0.018	0.013	0.028	0.025	0.017	0.013	0.0099 J
	<b>Beryllium</b>	0.00037 J	0.00020 J	<0.00018	<0.00018	<0.00018	0.00062 J	<0.00018	0.00024 J
	<b>Cadmium</b>	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	0.00057 J	<0.00022	<0.00022
	<b>Chromium</b>	0.0019 J	<0.0015	<0.0015	<0.0015	0.0017 J	0.0031	0.0027	0.0017 J
	<b>Cobalt</b>	0.00058 J	0.00050 J	0.00035 J	0.00040 J	0.00047 J	0.00027 J	<0.00013	<0.00013
	<b>Copper</b>	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	0.0010 J	<0.00063
	<b>Lead</b>	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	0.00015 J	<0.00013
	<b>Nickel</b>	0.00093 J	<0.00034	0.00045 J	0.00047 J	0.00043 J	0.0015	0.0011	0.0012
	<b>Selenium</b>	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	<b>Silver</b>	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	<b>Thallium</b>	0.00022 J	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	0.00016 J	<0.00015
	<b>Vanadium</b>	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	0.0026	<0.00099
<b>Zinc</b>	<0.0032	<0.0032	0.0070	0.0063	0.0050	0.0060	0.0032 J	<0.0032	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.  
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring.
6. Parameters required by Permit are Appendix I parameters included to meet EPD Rule 391-3-4-.14 requirements.
7. Proposed name changes as described in 2018 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWB-4A, GWB-5, GWB-15, and GWB-16, respectively.

**Table 5A**  
**Summary of Groundwater Analytical Data - March 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Parameter		Sample ID		
		GWC-20	GWC-21	GWC-23
		3/16/2021	3/17/2021	3/17/2021
APPENDIX III	<b>Boron</b>	<0.039	<0.039	<0.039
	<b>Calcium</b>	1.4	1.1	0.99
	<b>Chloride</b>	8.0	6.7	5.5
	<b>Fluoride</b>	0.040 J	<0.026	<0.026
	<b>pH</b>	4.78	4.80	4.97
	<b>Sulfate</b>	0.98 J	<0.76	1.8
	<b>TDS</b>	37	24	24
Required by Permit	<b>Antimony</b>	<000038	<000038	<000038
	<b>Arsenic</b>	<0.00031	<0.00031	<0.00031
	<b>Barium</b>	0.016	0.019	0.024
	<b>Beryllium</b>	0.00022 J	<0.00018	0.00018 J
	<b>Cadmium</b>	<0.00022	<0.00022	<0.00022
	<b>Chromium</b>	<0.0015	<0.0015	0.0027
	<b>Cobalt</b>	0.00090 J	0.00092 J	0.0035
	<b>Copper</b>	<0.00063	<0.00063	<0.00063
	<b>Lead</b>	<0.00013	<0.00013	<0.00013
	<b>Nickel</b>	0.00093 J	0.00068 J	0.0014
	<b>Selenium</b>	<0.0015	<0.0015	<0.0015
	<b>Silver</b>	<0.00018	<0.00018	<0.00018
	<b>Thallium</b>	<0.00015	<0.00015	<0.00015
	<b>Vanadium</b>	<0.00099	<0.00099	<0.00099
<b>Zinc</b>	<0.0032	<0.0032	0.0033 J	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.  
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring.
6. Parameters required by Permit are Appendix I parameters included to meet EPD Rule 391-3-4-.14 requirements.
7. Proposed name changes as described in 2018 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWB-4A, GWB-5, GWB-15, and GWB-16, respectively.



**Table 5B**  
**Summary of Groundwater Analytical Data - August 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Parameter		Sample ID							
		GWC-1	GWA-2	GWA-3	GWC-4A	GWC-5	GWC-9	GWC-10	GWC-11
		8/18/2021	8/17/2021	8/17/2021	8/19/2021	8/19/2021	8/19/2021	8/18/2021	8/18/2021
APPENDIX III	<b>Boron</b>	0.046 J	0.069 J	<0.039	<0.039	<0.039	<0.039	0.069 J	<0.039
	<b>Calcium</b>	1.1	0.40 J	0.81	0.30 J	2.4	0.67	23	10
	<b>Chloride</b>	5.3	5.4	3.5	3.5	4.3	7.9	6.8	5.2
	<b>Fluoride</b>	<0.026	0.073 J	0.043 J	<0.026	0.035 J	0.064 J	0.081 J	0.35
	<b>pH</b>	4.89	4.62	4.82	4.86	5.23	4.89	6.32	6.54
	<b>Sulfate</b>	1.2	<0.76	<0.76	5.4	<0.76	<0.76	3.0	4.1
	<b>TDS</b>	33	48	21	26	20	37	140	97
Required by Permit	<b>Antimony</b>	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038
	<b>Arsenic</b>	0.00040 J	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	0.00045 J	0.0013
	<b>Barium</b>	0.034	0.037	0.015	0.013	0.038	0.024	0.018	0.011
	<b>Beryllium</b>	0.00018 J	0.00018 J	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	<b>Cadmium</b>	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	<b>Chromium</b>	0.0018 J	0.0016 J	0.0015 J	<0.0015	<0.0015	<0.0015	0.0026	0.0040
	<b>Cobalt</b>	0.0018 J	0.0015 J	0.00039 J	0.0013 J	0.00079 J	0.00063 J	<0.00013	<0.00013
	<b>Copper</b>	<0.00063	<0.00063	<0.00063	0.00087 J	<0.00063	<0.00063	<0.00063	<0.00063
	<b>Lead</b>	<0.00013	0.00081 J	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	<b>Nickel</b>	0.0014	0.00097 J	0.00047 J	0.00065 J	0.00043 J	0.00038 J	<0.00034	0.00034 J
	<b>Selenium</b>	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	<b>Silver</b>	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	<b>Thallium</b>	<0.00015	0.00062 J	0.00015 J	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015
	<b>Vanadium</b>	0.0011	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	0.0015	0.0018
<b>Zinc</b>	0.0035 J	0.0040 J	<0.0032	0.0040 J	<0.0032	<0.0032	<0.0032	<0.0032	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.  
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring.
6. Parameters required by Permit are Appendix I parameters included to meet EPD Rule 391-3-4-.14 requirements.
7. Proposed name changes as described in 2018 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWA-4A, GWA-5, GWA-15, and GWA-16, respectively.

**Table 5B**  
**Summary of Groundwater Analytical Data - August 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Parameter	Sample ID								
	GWC-12	GWA-13	GWA-14	GWC-15	GWA-16	GWC-17	GWC-18	GWC-19	
	8/18/2021	8/18/2021	8/17/2021	8/19/2021	8/17/2021	8/19/2021	8/19/2021	8/19/2021	
APPENDIX III	Boron	<0.039	0.044 J	0.10	<0.039	0.061 J	<0.039	<0.039	<0.039
	Calcium	0.75	0.51 J	0.47 J	0.49 J	0.46 J	2.2	9.3	6.9
	Chloride	3.9	4.1	4.3	4.3	4.0	4.8	5.1	6.7
	Fluoride	<0.026	<0.026	0.045 J	0.035 J	0.072 J	0.15	0.62	0.11
	pH	5.01	4.93	5.12	4.92	4.95	5.29	6.17	5.69
	Sulfate	<0.76	<0.76	<0.76	0.80 J	<0.76	<0.76	3.5	2.5
	TDS	20	21	19	21	19	32	71	57
Required by Permit	Antimony	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038
	Arsenic	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	0.00059 J	<0.00031
	Barium	0.010	0.018	0.014	0.022	0.024	0.017	0.013	0.0095 J
	Beryllium	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.00057 J	<0.00018	<0.00018
	Cadmium	<0.00022	<0.00022	0.00036 J	<0.00022	<0.00022	0.00057 J	<0.00022	<0.00022
	Chromium	0.0037	<0.0015	<0.0015	<0.0015	0.0019 J	0.0027	0.0025	0.0015 J
	Cobalt	0.00065 J	0.00058 J	0.00048 J	0.00040 J	0.00043 J	0.00023 J	<0.00013	<0.00013
	Copper	0.00096 J	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	0.00089 J	<0.00063
	Lead	<0.00013	<0.00013	0.00021 J	<0.00013	<0.00013	<0.00013	0.00037 J	<0.00013
	Nickel	0.00097 J	<0.00034	0.00061 J	<0.00034	0.00052 J	0.0017	0.0011	0.0012
	Selenium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	Silver	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	Thallium	<0.00015	0.00016 J	0.00060 J	<0.00015	0.00025 J	<0.00015	<0.00015	<0.00015
Vanadium	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	0.0013	0.0030	0.0015	
Zinc	0.0081	<0.0032	<0.0032	<0.0032	<0.0032	0.013	0.015	0.017	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.  
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring.
6. Parameters required by Permit are Appendix I parameters included to meet EPD Rule 391-3-4-.14 requirements.
7. Proposed name changes as described in 2018 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWB-4A, GWB-5, GWB-15, and GWB-16, respectively.

**Table 5B**  
**Summary of Groundwater Analytical Data - August 2021**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Parameter		Sample ID		
		GWC-20	GWC-21	GWC-23
		8/19/2021	8/19/2021	8/19/2021
APPENDIX III	<b>Boron</b>	<0.039	<0.039	<0.039
	<b>Calcium</b>	1.3	1.2	1.1
	<b>Chloride</b>	8.8	6.7	6.0
	<b>Fluoride</b>	0.044 J	<0.026	<0.026
	<b>pH</b>	4.91	4.81	5.16
	<b>Sulfate</b>	1.3	0.79 J	1.9
	<b>TDS</b>	40	32	32
Required by Permit	<b>Antimony</b>	<000038	<000038	<000038
	<b>Arsenic</b>	<0.00031	<0.00031	<0.00031
	<b>Barium</b>	0.017	0.018	0.019
	<b>Beryllium</b>	<0.00018	<0.00018	<0.00018
	<b>Cadmium</b>	<0.00022	<0.00022	<0.00022
	<b>Chromium</b>	0.0018 J	<0.0015	0.0023
	<b>Cobalt</b>	0.00088 J	0.00077 J	0.0025
	<b>Copper</b>	<0.00063	<0.00063	0.0013 J
	<b>Lead</b>	<0.00013	<0.00013	<0.00013
	<b>Nickel</b>	0.00092 J	0.00067 J	0.0013
	<b>Selenium</b>	<0.0015	<0.0015	<0.0015
	<b>Silver</b>	<0.00018	<0.00018	<0.00018
	<b>Thallium</b>	<0.00015	<0.00015	<0.00015
	<b>Vanadium</b>	<0.00099	0.0010	0.0011
<b>Zinc</b>	<0.0032	<0.0032	0.0081	

Notes:

1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value.  
Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring.
6. Parameters required by Permit are Appendix I parameters included to meet EPD Rule 391-3-4-.14 requirements.
7. Proposed name changes as described in 2018 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWB-4A, GWB-5, GWB-15, and GWB-16, respectively.

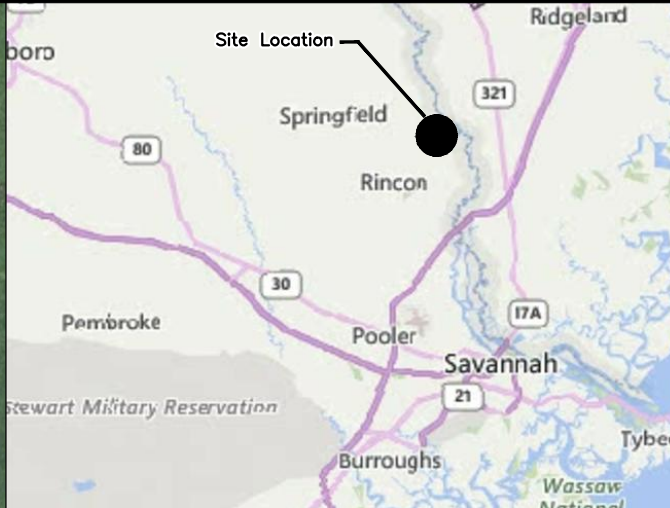
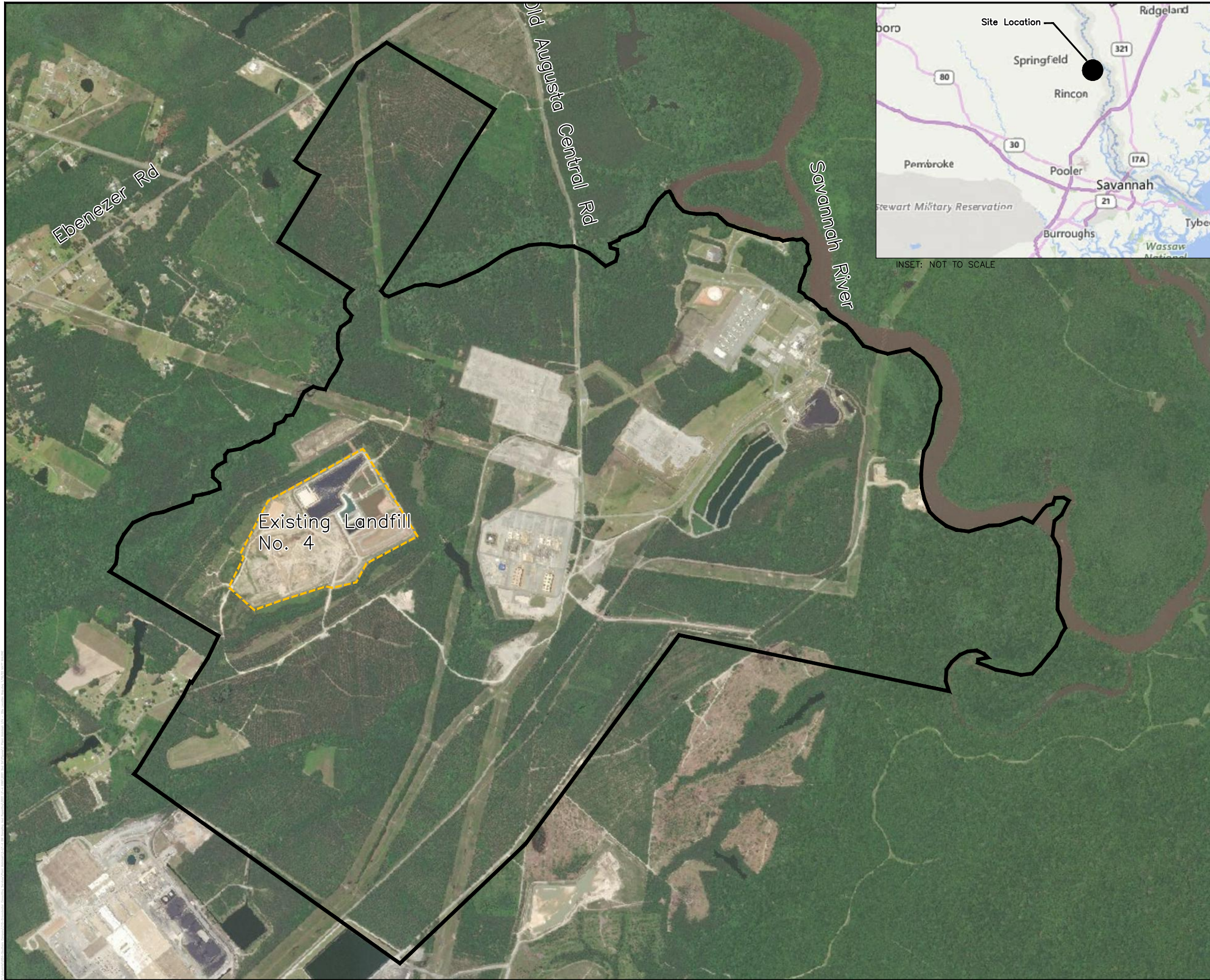
**Table 6**  
**Statistical Method Summary**  
**Plant McIntosh Landfill No. 4**  
**Effingham County, Georgia**

Plant McIntosh Existing Landfill No. 4 Statistical Method Summary		
Monitoring Well Network	Upgradient Wells	GWA-2, GWA-3, GWC-4A(*GWB-4A), GWC-5(*GWB-5), GWA-13, GWA-14, GWC-15(*GWB-15), GWA-16(*GWB-16), GWC-17, and GWC-18
	Downgradient Wells	GWC-1, GWC-9, GWC-10, GWC-11, GWC-12, GWC-19, GWC-20, GWC-21, and GWC-23
CCR Monitoring Parameters	Appendix III (Detection Monitoring)	Boron, Calcium, Chloride, Fluoride, pH, Sulfate, and TDS
	Appendix IV (Assessment Monitoring)	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Combined Radium 226 + 228, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, and Thallium
EPD Permit Metals	Detection Monitoring	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc
Statistical Methodology	Data Screening Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Interwell (boron, calcium, chloride, fluoride, pH, and TDS) or intrawell (sulfate and EPD Permit Metals) statistical limits are on constituent specific basis, depending on the appropriateness of the method as determined by the Analysis of Variance. Intrawell exceedances are further evaluated by interwell analysis.

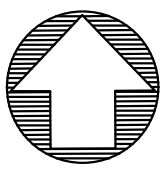

Notes:

- \* Well shown within parentheses is proposed name change as described in 2018 permit submittal.

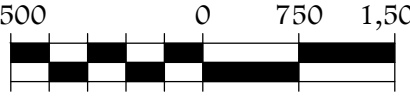
## FIGURES



INSET: NOT TO SCALE






ATLANTIC COAST CONSULTING, INC.




SCALE (IN FEET)

**LEGEND:**

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	LANDFILL No. 4

NOTES:  
 1. AERIAL PHOTOGRAPHY DATED 2021 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

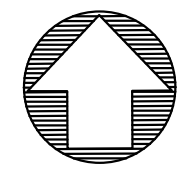
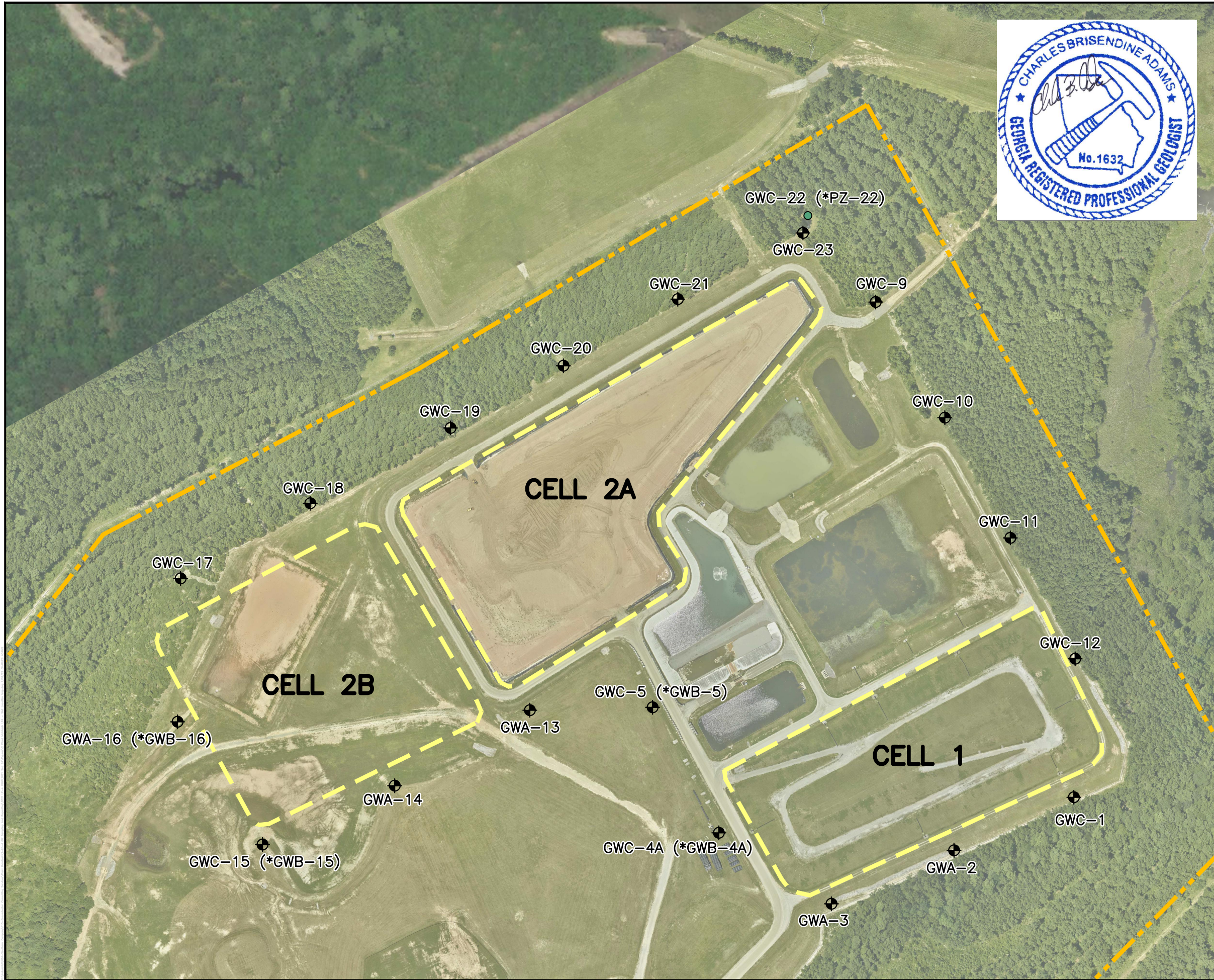
 Georgia Power

GEORGIA POWER COMPANY  
 PLANT McINTOSH LANDFILL No. 4

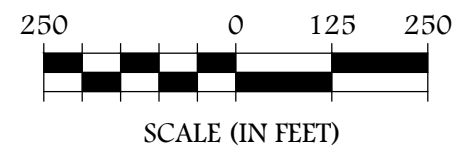
2021 ANNUAL GROUNDWATER MONITORING AND  
 CORRECTIVE ACTION REPORT

**SITE LOCATION MAP**

PROJECT NO. IO54-110		January 2022
<u>DRAWN BY:</u>	MM	<u>FIGURE:</u>  1
<u>CHECKED BY:</u>	CA	



**ACC**  
ATLANTIC COAST  
CONSULTING, INC.



**LEGEND:**

EXISTING	DESCRIPTION
	APPROXIMATE LANDFILL BOUNDARY
	APPROXIMATE CELL BOUNDARY
	GWC-1 MONITORING WELL
	GWC-22 (*PZ-22) PIEZOMETER

- NOTES:**
- \* INDICATES CHANGE REQUESTED IN THE NOVEMBER 2018 PERMIT APPLICATION. WELL DESIGNATIONS WILL BE UPDATED ONCE APPLICATION IS APPROVED. WELL IDS IN PARENTHESES ARE THE PROPOSED WELL IDS.
  - MONITORING WELLS GWC-17 AND GWC-18 ARE INCLUDED IN THE BACKGROUND MONITORING STATISTICAL POOL AS DESCRIBED IN THE APRIL 2018 ALTERNATIVE SOURCE DEMONSTRATION.
  - AERIAL DATED 7/28/2021 FROM SAM, LLC.

PROJECT

Georgia Power

GEORGIA POWER COMPANY  
PLANT MCINTOSH LANDFILL NO. 4

2021 ANNUAL GROUNDWATER MONITORING AND  
CORRECTIVE ACTION REPORT

**WELL LOCATION MAP**

PROJECT NO. IO54-110		January 2022
<u>DRAWN BY:</u>	MM	<u>FIGURE:</u>  <b>2</b>
<u>CHECKED BY:</u>	CA	

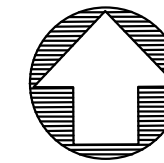
Summary of Groundwater Elevations  
Plant McIntosh  
Existing Landfill No. 4  
March 2021 Sampling Event

Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD)
GWC-1	28.29	46.85	14.15	32.70
GWA-2	28.47	53.43	15.56	37.87
GWA-3	38.31	57.75	20.85	36.90
GWC-4A(*GWB-4A)	39.00	65.00	23.89	41.11
GWC-5(*GWB-5)	41.71	62.09	22.94	39.15
GWC-9	38.05	53.38	29.08	24.30
GWC-10	33.16	49.39	24.59	24.80
GWC-11	43.22	57.74	33.10	24.64
GWC-12	41.10	57.05	26.46	30.59
GWA-13	40.11	60.93	24.47	36.46
GWA-14	49.90	61.59	25.74	35.85
GWC-15(*GWB-15)	40.30	56.86	22.00	34.86
GWA-16(*GWB-16)	40.27	54.67	23.81	30.86
GWC-17	40.05	54.29	26.82	27.47
GWC-18	42.20	59.74	35.51	24.23
GWC-19	36.95	53.59	29.46	24.13
GWC-20	30.13	47.36	22.70	24.66
GWC-21	27.16	45.22	20.84	24.38
GWC-22(*PZ-22)	31.65	51.17	27.76	23.41
GWC-23	33.70	52.43	28.80	23.63

Notes: Depths to water measured within a 24-hour period on March 15, 2021.

ft NAVD = feet North American Vertical Datum of 1988

ft BTOC = feet below top of casing



ATLANTIC COAST CONSULTING, INC.

250 0 125 250



SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE LANDFILL BOUNDARY
	APPROXIMATE CELL BOUNDARY
	MONITORING WELL GROUNDWATER ELEVATION
	PIEZOMETER GROUNDWATER ELEVATION
	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

NOTES:

- \* INDICATES CHANGE REQUESTED IN THE NOVEMBER 2018 PERMIT APPLICATION. WELL DESIGNATIONS WILL BE UPDATED ONCE APPLICATION IS APPROVED. WELL IDS IN PARENTHESES ARE THE PROPOSED WELL IDS.
- MONITORING WELLS GWC-17 AND GWC-18 ARE INCLUDED IN THE BACKGROUND MONITORING STATISTICAL POOL AS DESCRIBED IN THE APRIL 2018 ALTERNATIVE SOURCE DEMONSTRATION.
- AERIAL DATED DECEMBER 2020 FROM SAM, LLC.

PROJECT



GEORGIA POWER COMPANY  
PLANT MCINTOSH LANDFILL NO. 4  
2021 ANNUAL GROUNDWATER MONITORING AND  
CORRECTIVE ACTION REPORT

POTENTIOMETRIC CONTOUR MAP  
MARCH 2021

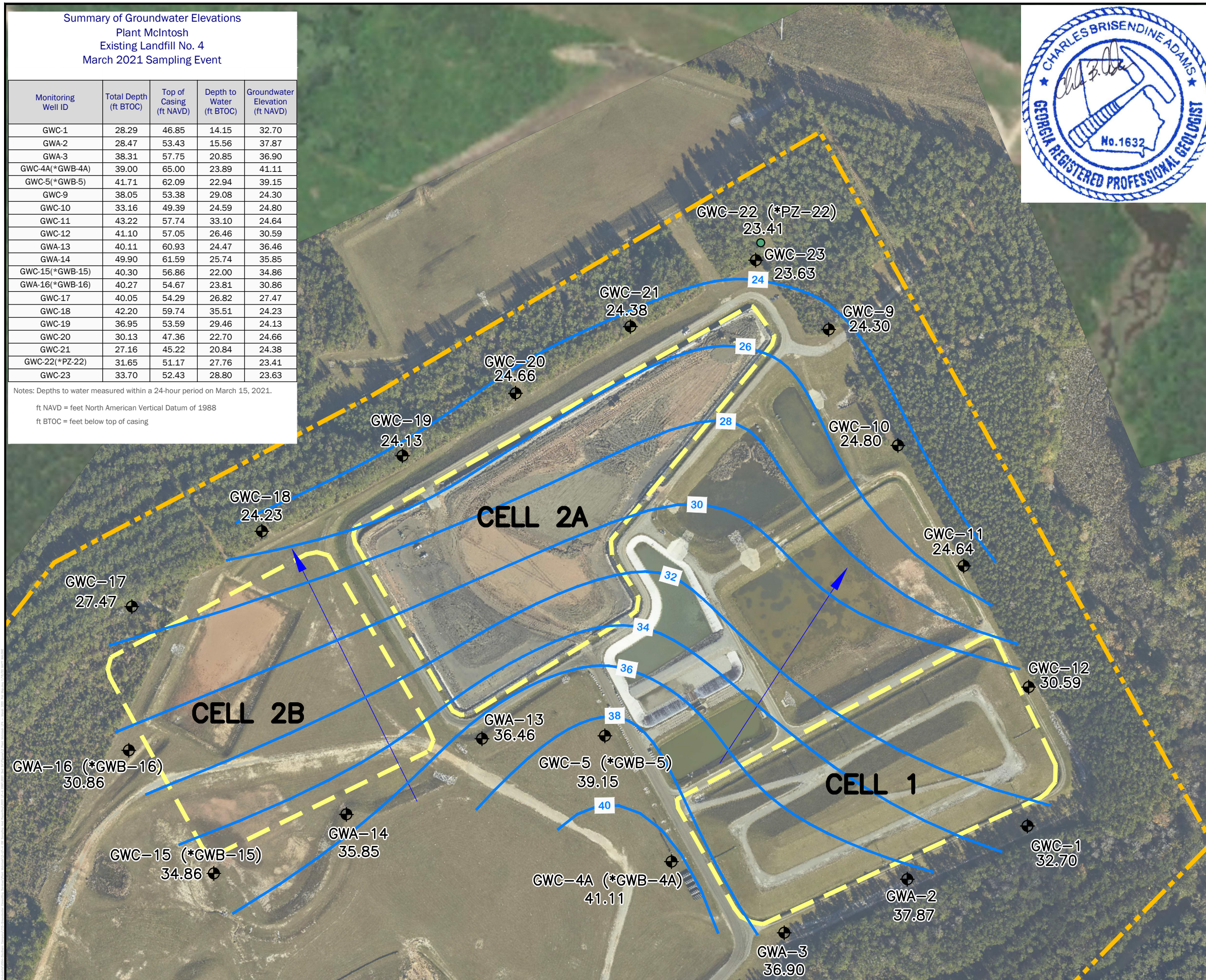
PROJECT NO. I054-110

JANUARY 2022

DRAWN BY: RW

FIGURE:

CHECKED BY: MM



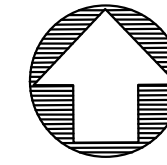


Summary of Groundwater Elevations  
Plant McIntosh Landfill No. 4  
August 2021 Sampling Event

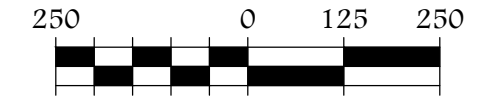
Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD)
GWC-1	28.29	46.85	15.50	31.35
GWA-2	28.47	53.43	16.99	36.44
GWA-3	38.31	57.75	21.97	35.78
GWC-4A(*GWB-4A)	39.00	65.00	25.41	39.59
GWC-5(*GWB-5)	41.71	62.09	24.31	37.78
GWC-9	38.05	53.38	29.31	24.07
GWC-10	33.16	49.39	24.92	24.47
GWC-11	43.22	57.74	33.40	24.34
GWC-12	41.10	57.05	27.47	29.58
GWA-13	40.11	60.93	25.02	35.91
GWA-14	49.90	61.59	26.03	35.56
GWC-15(*GWB-15)	40.30	56.86	22.57	34.29
GWA-16(*GWB-16)	40.27	54.67	24.82	29.85
GWC-17	40.05	54.29	27.55	26.74
GWC-18	42.20	59.74	35.73	24.01
GWC-19	36.95	53.59	29.75	23.84
GWC-20	30.13	47.36	23.12	24.24
GWC-21	27.16	45.22	21.18	24.04
GWC-22(*PZ-22)	31.65	51.17	27.93	23.24
GWC-23	33.70	52.43	28.99	23.44

Notes: Depths to water measured within a 24-hour period on August 16, 2021.

ft NAVD = feet North American Vertical Datum of 1988  
ft BTOC = feet below top of casing



ATLANTIC COAST  
CONSULTING, INC.



SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE LANDFILL BOUNDARY
	APPROXIMATE CELL BOUNDARY
	MONITORING WELL GROUNDWATER ELEVATION
	PIEZOMETER GROUNDWATER ELEVATION
	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

NOTES:

- \* INDICATES CHANGE REQUESTED IN THE NOVEMBER 2018 PERMIT APPLICATION. WELL DESIGNATIONS WILL BE UPDATED ONCE APPLICATION IS APPROVED. WELL IDS IN PARENTHESES ARE THE PROPOSED WELL IDS.
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- AERIAL DATED 7/28/2021 FROM SAM, LLC.

PROJECT



GEORGIA POWER COMPANY  
PLANT MCINTOSH LANDFILL NO. 4  
2021 ANNUAL GROUNDWATER MONITORING AND  
CORRECTIVE ACTION REPORT

POTENTIOMETRIC CONTOUR MAP  
AUGUST 2021

PROJECT NO. I054-110

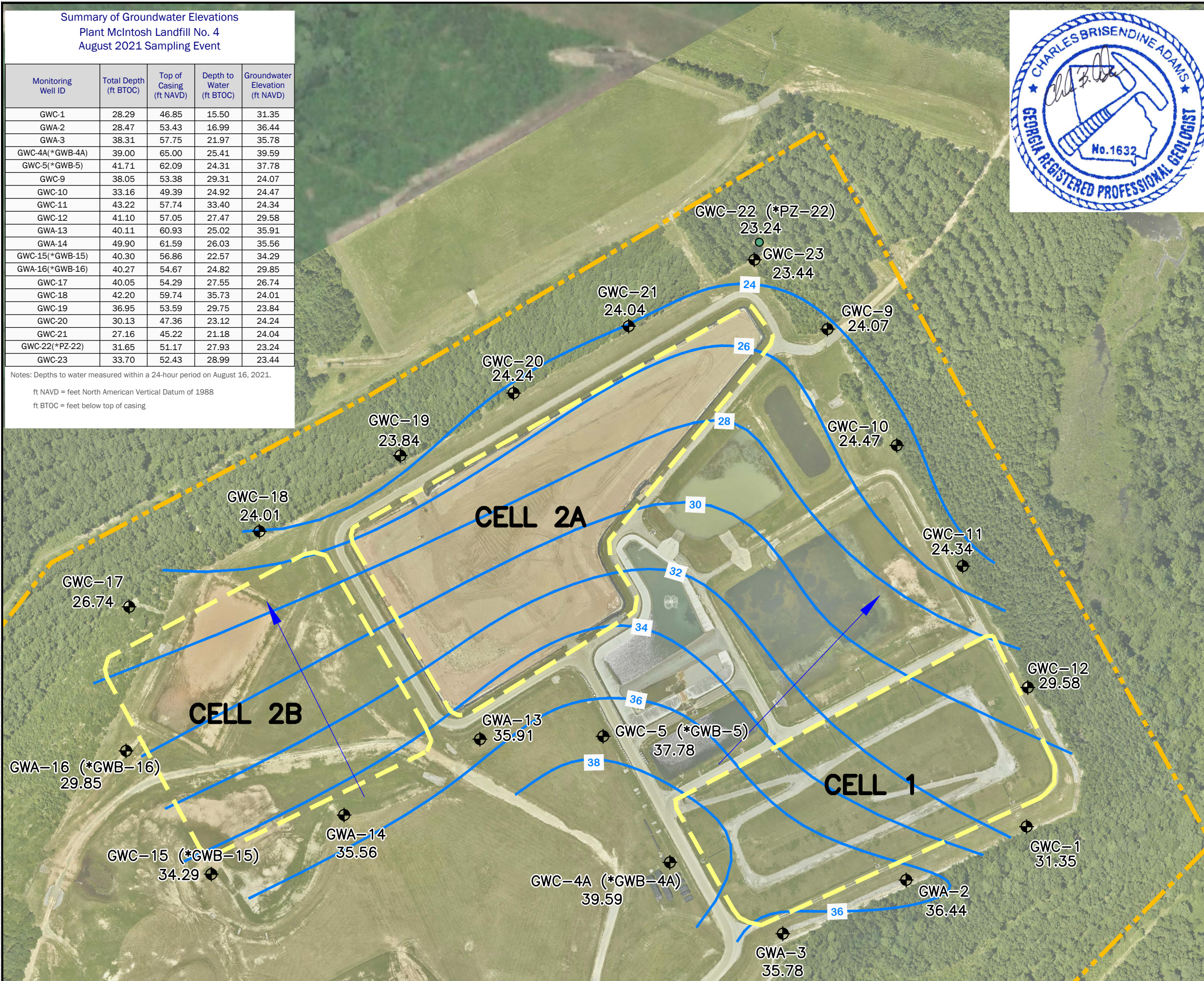
January 2022

DRAWN BY: RW

FIGURE:

CHECKED BY: MM

4



## APPENDICES

**APPENDIX A**  
**LABORATORY ANALYTICAL AND FIELD SAMPLING**  
**REPORTS**



ATLANTIC COAST CONSULTING, INC.

1150 Northmeadow Parkway  
Suite 100  
Roswell GA 30076  
(770) 594-5998  
[www.atlcc.net](http://www.atlcc.net)

**MEMORANDUM**

Date: August 26, 2021  
To: Lauren Coker (Southern Company)  
CC: Kristen Jurinko (Southern Company), Ben Hodges (Georgia Power)  
From: Atlantic Coast Consulting, Inc.  
Subject: Plant McIntosh Landfill No. 4 - Well Maintenance and Repair Documentation  
Georgia Power Company

Atlantic Coast Consulting, Inc. (ACC) has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant McIntosh during the 2021 Annual Groundwater Monitoring reporting period. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GAEPD) guidance on routine visual inspections of groundwater monitoring wells.

<b>Georgia Power Site/Unit</b>	<b>Date Performed</b>	<b>Well ID</b>	<b>Maintenance/ Repair Performed</b>
Plant McIntosh /LF4	8/19/2021	GWA-13	Tab for locking well repaired.
Plant McIntosh /LF4	8/19/2021	GWC-15	Well cap hinge repaired.

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-118717-1

Client Project/Site: Plant McIntosh Landfill #4

For:

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

Attn: Kristen N Jurinko



Authorized for release by:  
4/5/2021 7:39:34 AM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://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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Method Summary . . . . .	7
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# Case Narrative

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

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**Job ID: 180-118717-1**

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**Laboratory: Eurofins TestAmerica, Pittsburgh**

---

**Narrative**

**Job Narrative  
180-118717-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 3/19/2021 8:45 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 2.5° C and 2.6° C.

**GC Semi VOA**

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

**Metals**

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

**Field Service / Mobile Lab**

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

**General Chemistry**

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



# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

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



# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
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	04-05-21
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

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



# Sample Summary

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-118717-1	GWC-1	Water	03/16/21 13:35	03/19/21 08:45	
180-118717-2	GWA-2	Water	03/16/21 11:45	03/19/21 08:45	
180-118717-3	GWA-3	Water	03/16/21 10:15	03/19/21 08:45	
180-118717-4	GWC-4A	Water	03/17/21 14:35	03/19/21 08:45	
180-118717-5	GWC-5	Water	03/17/21 09:35	03/19/21 08:45	
180-118717-6	GWC-9	Water	03/17/21 10:30	03/19/21 08:45	
180-118717-7	GWC-10	Water	03/16/21 16:25	03/19/21 08:45	
180-118717-8	GWC-11	Water	03/17/21 14:33	03/19/21 08:45	
180-118717-9	GWC-12	Water	03/16/21 14:40	03/19/21 08:45	
180-118717-10	GWA-13	Water	03/16/21 10:10	03/19/21 08:45	
180-118717-11	GWA-14	Water	03/16/21 11:08	03/19/21 08:45	
180-118717-12	GWC-15	Water	03/17/21 10:55	03/19/21 08:45	
180-118717-13	GWA-16	Water	03/16/21 12:18	03/19/21 08:45	
180-118717-14	GWC-17	Water	03/16/21 13:29	03/19/21 08:45	
180-118717-15	GWC-18	Water	03/17/21 12:35	03/19/21 08:45	
180-118717-16	GWC-19	Water	03/16/21 15:13	03/19/21 08:45	
180-118717-17	GWC-20	Water	03/16/21 16:23	03/19/21 08:45	
180-118717-18	GWC-21	Water	03/17/21 13:35	03/19/21 08:45	
180-118717-19	GWC-23	Water	03/17/21 12:05	03/19/21 08:45	
180-118717-20	DUP-1	Water	03/17/21 00:00	03/19/21 08:45	
180-118717-21	FB-1	Water	03/16/21 13:10	03/19/21 08:45	
180-118717-22	EB-1	Water	03/16/21 12:30	03/19/21 08:45	

# Method Summary

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
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

#### 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 McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-1**  
**Date Collected: 03/16/21 13:35**  
**Date Received: 03/19/21 08:45**

**Lab Sample ID: 180-118717-1**  
**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			351343	03/31/21 09:58	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351412	03/31/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 14:31	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350419	03/23/21 12:14	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 13:35	FDS	TAL PIT

**Client Sample ID: GWA-2**  
**Date Collected: 03/16/21 11:45**  
**Date Received: 03/19/21 08:45**

**Lab Sample ID: 180-118717-2**  
**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			351343	03/31/21 10:14	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351412	03/31/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 14:33	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350419	03/23/21 12:14	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 11:45	FDS	TAL PIT

**Client Sample ID: GWA-3**  
**Date Collected: 03/16/21 10:15**  
**Date Received: 03/19/21 08:45**

**Lab Sample ID: 180-118717-3**  
**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			351343	03/31/21 10:31	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351412	03/31/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 14:36	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350487	03/23/21 20:08	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 10:15	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-4A**

**Lab Sample ID: 180-118717-4**

**Date Collected: 03/17/21 14:35**

**Matrix: Water**

**Date Received: 03/19/21 08:45**

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: INTEGRION		1			351345	03/31/21 17:55	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351412	03/31/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 14:39	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/17/21 14:35	FDS	TAL PIT

**Client Sample ID: GWC-5**

**Lab Sample ID: 180-118717-5**

**Date Collected: 03/17/21 09:35**

**Matrix: Water**

**Date Received: 03/19/21 08:45**

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: CHICS2100B		1			351490	04/01/21 16:37	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351412	03/31/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 14:42	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/17/21 09:35	FDS	TAL PIT

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-118717-6**

**Date Collected: 03/17/21 10:30**

**Matrix: Water**

**Date Received: 03/19/21 08:45**

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: CHICS2100B		1			351490	04/01/21 16:20	SAT	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351412	03/31/21 13:13	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 14:50	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/17/21 10:30	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-118717-7**

Date Collected: 03/16/21 16:25

Matrix: Water

Date Received: 03/19/21 08:45

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			351343	03/31/21 14:09	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 15:24	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350487	03/23/21 20:08	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 16:25	FDS	TAL PIT

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-118717-8**

Date Collected: 03/17/21 14:33

Matrix: Water

Date Received: 03/19/21 08:45

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			351343	03/31/21 14:25	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 15:37	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/17/21 14:33	FDS	TAL PIT

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-118717-9**

Date Collected: 03/16/21 14:40

Matrix: Water

Date Received: 03/19/21 08:45

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			351343	03/31/21 15:14	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 15:40	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350487	03/23/21 20:08	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 14:40	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWA-13**  
**Date Collected: 03/16/21 10:10**  
**Date Received: 03/19/21 08:45**

**Lab Sample ID: 180-118717-10**  
**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			351343	03/31/21 15:30	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 15:49	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350487	03/23/21 20:08	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 10:10	FDS	TAL PIT

**Client Sample ID: GWA-14**  
**Date Collected: 03/16/21 11:08**  
**Date Received: 03/19/21 08:45**

**Lab Sample ID: 180-118717-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			351343	03/31/21 15:46	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 15:51	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350487	03/23/21 20:08	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 11:08	FDS	TAL PIT

**Client Sample ID: GWC-15**  
**Date Collected: 03/17/21 10:55**  
**Date Received: 03/19/21 08:45**

**Lab Sample ID: 180-118717-12**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			351343	03/31/21 16:03	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 15:54	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/17/21 10:55	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## Client Sample ID: GWA-16

Date Collected: 03/16/21 12:18

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			351343	03/31/21 16:19	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 15:57	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350489	03/23/21 20:50	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 12:18	FDS	TAL PIT

## Client Sample ID: GWC-17

Date Collected: 03/16/21 13:29

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			351343	03/31/21 16:35	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 16:00	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350489	03/23/21 20:50	GRB	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/16/21 13:29	FDS	TAL PIT

## Client Sample ID: GWC-18

Date Collected: 03/17/21 12:35

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: INTEGRION		1			351345	03/31/21 15:14	EPS	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			351633	04/01/21 16:03	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			350246	03/17/21 12:35	FDS	TAL PIT



# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## Client Sample ID: GWC-19

Date Collected: 03/16/21 15:13

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-16

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			351345	03/31/21 15:32	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351633	04/01/21 16:05	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350487	03/23/21 20:08	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			350246	03/16/21 15:13	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-20

Date Collected: 03/16/21 16:23

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			351345	03/31/21 15:50	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351633	04/01/21 16:08	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350487	03/23/21 20:08	GRB	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			350246	03/16/21 16:23	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: GWC-21

Date Collected: 03/17/21 13:35

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			351345	03/31/21 16:44	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351633	04/01/21 16:11	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			350246	03/17/21 13:35	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## Client Sample ID: GWC-23

Date Collected: 03/17/21 12:05

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			351345	03/31/21 17:01	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351633	04/01/21 16:25	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			350246	03/17/21 12:05	FDS	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: DUP-1

Date Collected: 03/17/21 00:00

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-20

Matrix: 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			351345	03/31/21 17:19	EPS	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351633	04/01/21 16:28	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350652	03/24/21 19:32	KMM	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: FB-1

Date Collected: 03/16/21 13:10

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-21

Matrix: 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			351343	03/31/21 12:25	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351633	04/01/21 16:19	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	350489	03/23/21 20:50	GRB	TAL PIT
Instrument ID: NOEQUIP										

## Client Sample ID: EB-1

Date Collected: 03/16/21 12:30

Date Received: 03/19/21 08:45

## Lab Sample ID: 180-118717-22

Matrix: 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			351343	03/31/21 12:41	EPS	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	351407	03/31/21 12:36	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			351633	04/01/21 16:22	RJR	TAL PIT
Instrument ID: NEMO										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: EB-1**

**Lab Sample ID: 180-118717-22**

**Date Collected: 03/16/21 12:30**

**Matrix: Water**

**Date Received: 03/19/21 08:45**

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	350489	03/23/21 20:50	GRB	TAL PIT

**Laboratory References:**

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

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

TJO = Tyler Oliver

Batch Type: Analysis

EPS = Evan Scheuer

FDS = Sampler Field

GRB = Gabriel Berghe

KMM = Kendric Moore

RJR = Ron Rosenbaum

SAT = Stephen Tallam

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-1**

**Lab Sample ID: 180-118717-1**

Date Collected: 03/16/21 13:35

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>5.8</b>		1.0	0.71	mg/L			03/31/21 09:58	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 09:58	1
<b>Sulfate</b>	<b>1.6</b>		1.0	0.76	mg/L			03/31/21 09:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 13:13	04/01/21 14:31	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 13:13	04/01/21 14:31	1
<b>Barium</b>	<b>0.039</b>		0.010	0.0016	mg/L		03/31/21 13:13	04/01/21 14:31	1
<b>Beryllium</b>	<b>0.00022</b>	<b>J</b>	0.0025	0.00018	mg/L		03/31/21 13:13	04/01/21 14:31	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 13:13	04/01/21 14:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 13:13	04/01/21 14:31	1
<b>Calcium</b>	<b>1.6</b>		0.50	0.13	mg/L		03/31/21 13:13	04/01/21 14:31	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 13:13	04/01/21 14:31	1
<b>Cobalt</b>	<b>0.0017</b>	<b>J</b>	0.0025	0.00013	mg/L		03/31/21 13:13	04/01/21 14:31	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 13:13	04/01/21 14:31	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 13:13	04/01/21 14:31	1
<b>Nickel</b>	<b>0.0012</b>		0.0010	0.00034	mg/L		03/31/21 13:13	04/01/21 14:31	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 13:13	04/01/21 14:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 13:13	04/01/21 14:31	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 13:13	04/01/21 14:31	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 13:13	04/01/21 14:31	1
<b>Zinc</b>	<b>0.0047</b>	<b>J</b>	0.0050	0.0032	mg/L		03/31/21 13:13	04/01/21 14:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>29</b>		10	10	mg/L			03/23/21 12:14	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.89</b>				SU			03/16/21 13:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWA-2**

**Lab Sample ID: 180-118717-2**

Date Collected: 03/16/21 11:45

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.9		1.0	0.71	mg/L			03/31/21 10:14	1
Fluoride	0.033	J	0.10	0.026	mg/L			03/31/21 10:14	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 13:13	04/01/21 14:33	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 13:13	04/01/21 14:33	1
Barium	0.035		0.010	0.0016	mg/L		03/31/21 13:13	04/01/21 14:33	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 13:13	04/01/21 14:33	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 13:13	04/01/21 14:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 13:13	04/01/21 14:33	1
Calcium	0.40	J	0.50	0.13	mg/L		03/31/21 13:13	04/01/21 14:33	1
Chromium	0.0015	J	0.0020	0.0015	mg/L		03/31/21 13:13	04/01/21 14:33	1
Cobalt	0.0013	J	0.0025	0.00013	mg/L		03/31/21 13:13	04/01/21 14:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 13:13	04/01/21 14:33	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 13:13	04/01/21 14:33	1
Nickel	0.00072	J	0.0010	0.00034	mg/L		03/31/21 13:13	04/01/21 14:33	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 13:13	04/01/21 14:33	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 13:13	04/01/21 14:33	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 13:13	04/01/21 14:33	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 13:13	04/01/21 14:33	1
Zinc	0.0045	J	0.0050	0.0032	mg/L		03/31/21 13:13	04/01/21 14:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	24		10	10	mg/L			03/23/21 12:14	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.76				SU			03/16/21 11:45	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWA-3**

**Lab Sample ID: 180-118717-3**

Date Collected: 03/16/21 10:15

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.6</b>		1.0	0.71	mg/L			03/31/21 10:31	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 10:31	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 10:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 13:13	04/01/21 14:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 13:13	04/01/21 14:36	1
<b>Barium</b>	<b>0.015</b>		0.010	0.0016	mg/L		03/31/21 13:13	04/01/21 14:36	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 13:13	04/01/21 14:36	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 13:13	04/01/21 14:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 13:13	04/01/21 14:36	1
<b>Calcium</b>	<b>0.75</b>		0.50	0.13	mg/L		03/31/21 13:13	04/01/21 14:36	1
<b>Chromium</b>	<b>0.0015 J</b>		0.0020	0.0015	mg/L		03/31/21 13:13	04/01/21 14:36	1
<b>Cobalt</b>	<b>0.00033 J</b>		0.0025	0.00013	mg/L		03/31/21 13:13	04/01/21 14:36	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 13:13	04/01/21 14:36	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 13:13	04/01/21 14:36	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/31/21 13:13	04/01/21 14:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 13:13	04/01/21 14:36	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 13:13	04/01/21 14:36	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 13:13	04/01/21 14:36	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 13:13	04/01/21 14:36	1
<b>Zinc</b>	<b>0.0035 J</b>		0.0050	0.0032	mg/L		03/31/21 13:13	04/01/21 14:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>25</b>		10	10	mg/L			03/23/21 20:08	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.91</b>				SU			03/16/21 10:15	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-4A**

**Lab Sample ID: 180-118717-4**

Date Collected: 03/17/21 14:35

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.5</b>		1.0	0.71	mg/L			03/31/21 17:55	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 17:55	1
<b>Sulfate</b>	<b>3.5</b>		1.0	0.76	mg/L			03/31/21 17:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 13:13	04/01/21 14:39	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 13:13	04/01/21 14:39	1
<b>Barium</b>	<b>0.014</b>		0.010	0.0016	mg/L		03/31/21 13:13	04/01/21 14:39	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 13:13	04/01/21 14:39	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 13:13	04/01/21 14:39	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 13:13	04/01/21 14:39	1
<b>Calcium</b>	<b>0.33</b>	<b>J</b>	0.50	0.13	mg/L		03/31/21 13:13	04/01/21 14:39	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 13:13	04/01/21 14:39	1
<b>Cobalt</b>	<b>0.0014</b>	<b>J</b>	0.0025	0.00013	mg/L		03/31/21 13:13	04/01/21 14:39	1
<b>Copper</b>	<b>0.0012</b>	<b>J</b>	0.0020	0.00063	mg/L		03/31/21 13:13	04/01/21 14:39	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 13:13	04/01/21 14:39	1
<b>Nickel</b>	<b>0.00083</b>	<b>J</b>	0.0010	0.00034	mg/L		03/31/21 13:13	04/01/21 14:39	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 13:13	04/01/21 14:39	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 13:13	04/01/21 14:39	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 13:13	04/01/21 14:39	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 13:13	04/01/21 14:39	1
<b>Zinc</b>	<b>0.0039</b>	<b>J</b>	0.0050	0.0032	mg/L		03/31/21 13:13	04/01/21 14:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>36</b>		10	10	mg/L			03/24/21 19:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.90</b>				SU			03/17/21 14:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-5**

**Lab Sample ID: 180-118717-5**

Date Collected: 03/17/21 09:35

Matrix: Water

Date Received: 03/19/21 08:45

**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			04/01/21 16:37	1
Fluoride	0.026	J	0.10	0.026	mg/L			04/01/21 16:37	1
Sulfate	<0.76		1.0	0.76	mg/L			04/01/21 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 13:13	04/01/21 14:42	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 13:13	04/01/21 14:42	1
Barium	0.040		0.010	0.0016	mg/L		03/31/21 13:13	04/01/21 14:42	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 13:13	04/01/21 14:42	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 13:13	04/01/21 14:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 13:13	04/01/21 14:42	1
Calcium	2.4		0.50	0.13	mg/L		03/31/21 13:13	04/01/21 14:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 13:13	04/01/21 14:42	1
Cobalt	0.00083	J	0.0025	0.00013	mg/L		03/31/21 13:13	04/01/21 14:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 13:13	04/01/21 14:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 13:13	04/01/21 14:42	1
Nickel	0.00041	J	0.0010	0.00034	mg/L		03/31/21 13:13	04/01/21 14:42	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 13:13	04/01/21 14:42	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 13:13	04/01/21 14:42	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 13:13	04/01/21 14:42	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 13:13	04/01/21 14:42	1
Zinc	0.0041	J	0.0050	0.0032	mg/L		03/31/21 13:13	04/01/21 14:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	31		10	10	mg/L			03/24/21 19:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.80				SU			03/17/21 09:35	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-118717-6**

Date Collected: 03/17/21 10:30

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.5		1.0	0.71	mg/L			04/01/21 16:20	1
Fluoride	0.035	J	0.10	0.026	mg/L			04/01/21 16:20	1
Sulfate	<0.76		1.0	0.76	mg/L			04/01/21 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 13:13	04/01/21 14:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 13:13	04/01/21 14:50	1
Barium	0.041		0.010	0.0016	mg/L		03/31/21 13:13	04/01/21 14:50	1
Beryllium	0.00024	J	0.0025	0.00018	mg/L		03/31/21 13:13	04/01/21 14:50	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 13:13	04/01/21 14:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 13:13	04/01/21 14:50	1
Calcium	0.51		0.50	0.13	mg/L		03/31/21 13:13	04/01/21 14:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 13:13	04/01/21 14:50	1
Cobalt	0.00092	J	0.0025	0.00013	mg/L		03/31/21 13:13	04/01/21 14:50	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 13:13	04/01/21 14:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 13:13	04/01/21 14:50	1
Nickel	0.00060	J	0.0010	0.00034	mg/L		03/31/21 13:13	04/01/21 14:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 13:13	04/01/21 14:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 13:13	04/01/21 14:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 13:13	04/01/21 14:50	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 13:13	04/01/21 14:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 13:13	04/01/21 14:50	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	40		10	10	mg/L			03/24/21 19:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.69				SU			03/17/21 10:30	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-118717-7**

Date Collected: 03/16/21 16:25

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.2		1.0	0.71	mg/L			03/31/21 14:09	1
Fluoride	0.18		0.10	0.026	mg/L			03/31/21 14:09	1
Sulfate	2.4		1.0	0.76	mg/L			03/31/21 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 15:24	1
Arsenic	0.00069	J	0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 15:24	1
Barium	0.019		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 15:24	1
Beryllium	0.00033	J	0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 15:24	1
Boron	0.045	J	0.080	0.039	mg/L		03/31/21 12:36	04/01/21 15:24	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 15:24	1
Calcium	18		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 15:24	1
Chromium	0.0054		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 15:24	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 15:24	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 15:24	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 15:24	1
Nickel	0.00043	J	0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 15:24	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 15:24	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 15:24	1
Thallium	0.00037	J	0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 15:24	1
Vanadium	0.0013		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 15:24	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 15:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			03/23/21 20:08	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.48				SU			03/16/21 16:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-118717-8**

Date Collected: 03/17/21 14:33

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.6		1.0	0.71	mg/L			03/31/21 14:25	1
Fluoride	0.28		0.10	0.026	mg/L			03/31/21 14:25	1
Sulfate	5.6		1.0	0.76	mg/L			03/31/21 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 15:37	1
Arsenic	0.0014		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 15:37	1
Barium	0.016		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 15:37	1
Beryllium	0.00048	J	0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 15:37	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 15:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 15:37	1
Calcium	14		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 15:37	1
Chromium	0.0031		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 15:37	1
Cobalt	0.00016	J	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 15:37	1
Copper	0.0019	J	0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 15:37	1
Lead	0.00031	J	0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 15:37	1
Nickel	0.00077	J	0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 15:37	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 15:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 15:37	1
Thallium	0.00047	J	0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 15:37	1
Vanadium	0.0015		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 15:37	1
Zinc	0.0032	J	0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 15:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	81		10	10	mg/L			03/24/21 19:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.58				SU			03/17/21 14:33	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-118717-9**

Date Collected: 03/16/21 14:40

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.8</b>		1.0	0.71	mg/L			03/31/21 15:14	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 15:14	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 15:40	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 15:40	1
<b>Barium</b>	<b>0.010</b>		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 15:40	1
<b>Beryllium</b>	<b>0.00037</b>	<b>J</b>	0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 15:40	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 15:40	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 15:40	1
<b>Calcium</b>	<b>0.62</b>		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 15:40	1
<b>Chromium</b>	<b>0.0019</b>	<b>J</b>	0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 15:40	1
<b>Cobalt</b>	<b>0.00058</b>	<b>J</b>	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 15:40	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 15:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 15:40	1
<b>Nickel</b>	<b>0.00093</b>	<b>J</b>	0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 15:40	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 15:40	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 15:40	1
<b>Thallium</b>	<b>0.00022</b>	<b>J</b>	0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 15:40	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 15:40	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 15:40	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>19</b>		10	10	mg/L			03/23/21 20:08	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.97</b>				SU			03/16/21 14:40	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWA-13**

**Lab Sample ID: 180-118717-10**

Date Collected: 03/16/21 10:10

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.0</b>		1.0	0.71	mg/L			03/31/21 15:30	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 15:30	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 15:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 15:49	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 15:49	1
<b>Barium</b>	<b>0.018</b>		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 15:49	1
<b>Beryllium</b>	<b>0.00020</b>	<b>J</b>	0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 15:49	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 15:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 15:49	1
<b>Calcium</b>	<b>0.40</b>	<b>J</b>	0.50	0.13	mg/L		03/31/21 12:36	04/01/21 15:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 15:49	1
<b>Cobalt</b>	<b>0.00050</b>	<b>J</b>	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 15:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 15:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 15:49	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 15:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 15:49	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 15:49	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 15:49	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 15:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 15:49	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>23</b>		10	10	mg/L			03/23/21 20:08	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.47</b>				SU			03/16/21 10:10	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWA-14**

**Lab Sample ID: 180-118717-11**

Date Collected: 03/16/21 11:08

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.1</b>		1.0	0.71	mg/L			03/31/21 15:46	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 15:46	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 15:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 15:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 15:51	1
<b>Barium</b>	<b>0.013</b>		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 15:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 15:51	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 15:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 15:51	1
<b>Calcium</b>	<b>0.51</b>		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 15:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 15:51	1
<b>Cobalt</b>	<b>0.00035</b>	<b>J</b>	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 15:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 15:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 15:51	1
<b>Nickel</b>	<b>0.00045</b>	<b>J</b>	0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 15:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 15:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 15:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 15:51	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 15:51	1
<b>Zinc</b>	<b>0.0070</b>		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 15:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>17</b>		10	10	mg/L			03/23/21 20:08	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.76</b>				SU			03/16/21 11:08	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-15**

**Lab Sample ID: 180-118717-12**

Date Collected: 03/17/21 10:55

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.0</b>		1.0	0.71	mg/L			03/31/21 16:03	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 16:03	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 16:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 15:54	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 15:54	1
<b>Barium</b>	<b>0.028</b>		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 15:54	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 15:54	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 15:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 15:54	1
<b>Calcium</b>	<b>5.5</b>		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 15:54	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 15:54	1
<b>Cobalt</b>	<b>0.00040</b>	<b>J</b>	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 15:54	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 15:54	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 15:54	1
<b>Nickel</b>	<b>0.00047</b>	<b>J</b>	0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 15:54	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 15:54	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 15:54	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 15:54	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 15:54	1
<b>Zinc</b>	<b>0.0063</b>		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 15:54	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>29</b>		10	10	mg/L			03/24/21 19:32	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.41</b>				SU			03/17/21 10:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWA-16**

**Lab Sample ID: 180-118717-13**

Date Collected: 03/16/21 12:18

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.1</b>		1.0	0.71	mg/L			03/31/21 16:19	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 16:19	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 15:57	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 15:57	1
<b>Barium</b>	<b>0.025</b>		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 15:57	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 15:57	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 15:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 15:57	1
<b>Calcium</b>	<b>0.48</b>	<b>J</b>	0.50	0.13	mg/L		03/31/21 12:36	04/01/21 15:57	1
<b>Chromium</b>	<b>0.0017</b>	<b>J</b>	0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 15:57	1
<b>Cobalt</b>	<b>0.00047</b>	<b>J</b>	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 15:57	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 15:57	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 15:57	1
<b>Nickel</b>	<b>0.00043</b>	<b>J</b>	0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 15:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 15:57	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 15:57	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 15:57	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 15:57	1
<b>Zinc</b>	<b>0.0050</b>		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 15:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>20</b>		10	10	mg/L			03/23/21 20:50	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.68</b>				SU			03/16/21 12:18	1



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-17**

**Lab Sample ID: 180-118717-14**

Date Collected: 03/16/21 13:29

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.9		1.0	0.71	mg/L			03/31/21 16:35	1
Fluoride	0.13		0.10	0.026	mg/L			03/31/21 16:35	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 16:00	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:00	1
Barium	0.017		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:00	1
Beryllium	0.00062	J	0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:00	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:00	1
Cadmium	0.00057	J	0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:00	1
Calcium	2.0		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:00	1
Chromium	0.0031		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:00	1
Cobalt	0.00027	J	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:00	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:00	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:00	1
Nickel	0.0015		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:00	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:00	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:00	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:00	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:00	1
Zinc	0.0060		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:00	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	25		10	10	mg/L			03/23/21 20:50	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.83				SU			03/16/21 13:29	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-18**

**Lab Sample ID: 180-118717-15**

Date Collected: 03/17/21 12:35

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.7		1.0	0.71	mg/L			03/31/21 15:14	1
Fluoride	0.54		0.10	0.026	mg/L			03/31/21 15:14	1
Sulfate	3.5		1.0	0.76	mg/L			03/31/21 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 16:03	1
Arsenic	0.00072	J	0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:03	1
Barium	0.013		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:03	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:03	1
Calcium	9.1		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:03	1
Chromium	0.0027		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:03	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:03	1
Copper	0.0010	J	0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:03	1
Lead	0.00015	J	0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:03	1
Nickel	0.0011		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:03	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:03	1
Thallium	0.00016	J	0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:03	1
Vanadium	0.0026		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:03	1
Zinc	0.0032	J	0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:03	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	59		10	10	mg/L			03/24/21 19:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.99				SU			03/17/21 12:35	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-118717-16**

Date Collected: 03/16/21 15:13

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.5		1.0	0.71	mg/L			03/31/21 15:32	1
Fluoride	0.092	J	0.10	0.026	mg/L			03/31/21 15:32	1
Sulfate	1.9		1.0	0.76	mg/L			03/31/21 15:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 16:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:05	1
Barium	0.0099	J	0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:05	1
Beryllium	0.00024	J	0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:05	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:05	1
Calcium	7.0		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:05	1
Chromium	0.0017	J	0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:05	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:05	1
Nickel	0.0012		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:05	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	65		10	10	mg/L			03/23/21 20:08	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.45				SU			03/16/21 15:13	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-118717-17**

Date Collected: 03/16/21 16:23

Matrix: Water

Date Received: 03/19/21 08:45

**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			03/31/21 15:50	1
Fluoride	0.040	J	0.10	0.026	mg/L			03/31/21 15:50	1
Sulfate	0.98	J	1.0	0.76	mg/L			03/31/21 15:50	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		03/31/21 12:36	04/01/21 16:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:08	1
Barium	0.016		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:08	1
Beryllium	0.00022	J	0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:08	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:08	1
Calcium	1.4		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:08	1
Cobalt	0.00090	J	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:08	1
Nickel	0.00093	J	0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:08	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	37		10	10	mg/L			03/23/21 20:08	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.78				SU			03/16/21 16:23	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-21**

**Lab Sample ID: 180-118717-18**

Date Collected: 03/17/21 13:35

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>6.7</b>		1.0	0.71	mg/L			03/31/21 16:44	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 16:44	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 16:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:11	1
<b>Barium</b>	<b>0.019</b>		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:11	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:11	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:11	1
<b>Calcium</b>	<b>1.1</b>		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:11	1
<b>Cobalt</b>	<b>0.00092 J</b>		0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:11	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:11	1
<b>Nickel</b>	<b>0.00068 J</b>		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:11	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:11	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:11	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:11	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>24</b>		10	10	mg/L			03/24/21 19:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.80</b>				SU			03/17/21 13:35	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: GWC-23**

**Lab Sample ID: 180-118717-19**

Date Collected: 03/17/21 12:05

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>5.5</b>		1.0	0.71	mg/L			03/31/21 17:01	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 17:01	1
<b>Sulfate</b>	<b>1.8</b>		1.0	0.76	mg/L			03/31/21 17:01	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		03/31/21 12:36	04/01/21 16:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:25	1
<b>Barium</b>	<b>0.024</b>		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:25	1
<b>Beryllium</b>	<b>0.00018</b>	<b>J</b>	0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:25	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:25	1
<b>Calcium</b>	<b>0.99</b>		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:25	1
<b>Chromium</b>	<b>0.0027</b>		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:25	1
<b>Cobalt</b>	<b>0.0035</b>		0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:25	1
<b>Nickel</b>	<b>0.0014</b>		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:25	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:25	1
<b>Zinc</b>	<b>0.0033</b>	<b>J</b>	0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>24</b>		10	10	mg/L			03/24/21 19:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.97</b>				SU			03/17/21 12:05	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 180-118717-20**

Date Collected: 03/17/21 00:00

Matrix: Water

Date Received: 03/19/21 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.9</b>		1.0	0.71	mg/L			03/31/21 17:19	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 17:19	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 17:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 16:28	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:28	1
<b>Barium</b>	<b>0.027</b>		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:28	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:28	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:28	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:28	1
<b>Calcium</b>	<b>5.3</b>		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:28	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:28	1
<b>Cobalt</b>	<b>0.00034</b>	<b>J</b>	0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:28	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:28	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:28	1
<b>Nickel</b>	<b>0.00044</b>	<b>J</b>	0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:28	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:28	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:28	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:28	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:28	1
<b>Zinc</b>	<b>0.0044</b>	<b>J</b>	0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>32</b>		10	10	mg/L			03/24/21 19:32	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: FB-1**

**Lab Sample ID: 180-118717-21**

Date Collected: 03/16/21 13:10

Matrix: Water

Date Received: 03/19/21 08:45

**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			03/31/21 12:25	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 12:25	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 12:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 16:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:19	1
Barium	<0.0016		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:19	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:19	1
Calcium	<0.13		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:19	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:19	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:19	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/23/21 20:50	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

**Client Sample ID: EB-1**

**Lab Sample ID: 180-118717-22**

Date Collected: 03/16/21 12:30

Matrix: Water

Date Received: 03/19/21 08:45

**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			03/31/21 12:41	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 12:41	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 12:41	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		03/31/21 12:36	04/01/21 16:22	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 16:22	1
Barium	<0.0016		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 16:22	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 16:22	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 16:22	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 16:22	1
Calcium	<0.13		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 16:22	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 16:22	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 16:22	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 16:22	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 16:22	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 16:22	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 16:22	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 16:22	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 16:22	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 16:22	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 16:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/23/21 20:50	1

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

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

**Lab Sample ID: MB 180-351343/6**  
**Matrix: Water**  
**Analysis Batch: 351343**

**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			03/31/21 08:53	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 08:53	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 08:53	1

**Lab Sample ID: LCS 180-351343/5**  
**Matrix: Water**  
**Analysis Batch: 351343**

**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	50.1		mg/L		100	90 - 110
Fluoride	2.50	2.45		mg/L		98	90 - 110
Sulfate	50.0	50.1		mg/L		100	90 - 110

**Lab Sample ID: MB 180-351345/6**  
**Matrix: Water**  
**Analysis Batch: 351345**

**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			03/31/21 10:28	1
Fluoride	<0.026		0.10	0.026	mg/L			03/31/21 10:28	1
Sulfate	<0.76		1.0	0.76	mg/L			03/31/21 10:28	1

**Lab Sample ID: LCS 180-351345/5**  
**Matrix: Water**  
**Analysis Batch: 351345**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	51.7		mg/L		103	90 - 110
Fluoride	2.50	2.50		mg/L		100	90 - 110
Sulfate	50.0	51.3		mg/L		103	90 - 110

**Lab Sample ID: MB 180-351490/6**  
**Matrix: Water**  
**Analysis Batch: 351490**

**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			04/01/21 08:06	1
Fluoride	<0.026		0.10	0.026	mg/L			04/01/21 08:06	1
Sulfate	<0.76		1.0	0.76	mg/L			04/01/21 08:06	1

**Lab Sample ID: LCS 180-351490/5**  
**Matrix: Water**  
**Analysis Batch: 351490**

**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	52.0		mg/L		104	90 - 110
Fluoride	2.50	2.71		mg/L		108	90 - 110
Sulfate	50.0	51.7		mg/L		103	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

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

**Lab Sample ID: MB 180-351407/1-A**  
**Matrix: Water**  
**Analysis Batch: 351633**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 351407**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 12:36	04/01/21 15:18	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 12:36	04/01/21 15:18	1
Barium	<0.0016		0.010	0.0016	mg/L		03/31/21 12:36	04/01/21 15:18	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 12:36	04/01/21 15:18	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 12:36	04/01/21 15:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 12:36	04/01/21 15:18	1
Calcium	<0.13		0.50	0.13	mg/L		03/31/21 12:36	04/01/21 15:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 12:36	04/01/21 15:18	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/31/21 12:36	04/01/21 15:18	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 12:36	04/01/21 15:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 12:36	04/01/21 15:18	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/31/21 12:36	04/01/21 15:18	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 12:36	04/01/21 15:18	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 12:36	04/01/21 15:18	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 12:36	04/01/21 15:18	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 12:36	04/01/21 15:18	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 12:36	04/01/21 15:18	1

**Lab Sample ID: LCS 180-351407/2-A**  
**Matrix: Water**  
**Analysis Batch: 351633**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 351407**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.233		mg/L		93	80 - 120
Arsenic	1.00	0.976		mg/L		98	80 - 120
Barium	1.00	0.992		mg/L		99	80 - 120
Beryllium	0.500	0.440		mg/L		88	80 - 120
Boron	1.25	1.04		mg/L		83	80 - 120
Cadmium	0.500	0.502		mg/L		100	80 - 120
Calcium	25.0	25.9		mg/L		104	80 - 120
Chromium	0.500	0.494		mg/L		99	80 - 120
Cobalt	0.500	0.497		mg/L		99	80 - 120
Copper	0.500	0.489		mg/L		98	80 - 120
Lead	0.500	0.488		mg/L		98	80 - 120
Nickel	0.500	0.485		mg/L		97	80 - 120
Selenium	1.00	0.995		mg/L		100	80 - 120
Silver	0.250	0.245		mg/L		98	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	0.500	0.492		mg/L		98	80 - 120
Zinc	0.250	0.231		mg/L		92	80 - 120

**Lab Sample ID: 180-118717-7 MS**  
**Matrix: Water**  
**Analysis Batch: 351633**

**Client Sample ID: GWC-10**  
**Prep Type: Total Recoverable**  
**Prep Batch: 351407**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.231		mg/L		93	75 - 125
Arsenic	0.00069	J	1.00	1.01		mg/L		101	75 - 125
Barium	0.019		1.00	0.999		mg/L		98	75 - 125

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

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

**Lab Sample ID: 180-118717-7 MS**  
**Matrix: Water**  
**Analysis Batch: 351633**

**Client Sample ID: GWC-10**  
**Prep Type: Total Recoverable**  
**Prep Batch: 351407**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.00033	J	0.500	0.444		mg/L		89	75 - 125
Boron	0.045	J	1.25	1.09		mg/L		84	75 - 125
Cadmium	<0.00022		0.500	0.494		mg/L		99	75 - 125
Calcium	18		25.0	44.6		mg/L		106	75 - 125
Chromium	0.0054		0.500	0.494		mg/L		98	75 - 125
Cobalt	<0.00013		0.500	0.511		mg/L		102	75 - 125
Copper	<0.00063		0.500	0.503		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.509		mg/L		102	75 - 125
Nickel	0.00043	J	0.500	0.497		mg/L		99	75 - 125
Selenium	<0.0015		1.00	0.975		mg/L		97	75 - 125
Silver	<0.00018		0.250	0.246		mg/L		99	75 - 125
Thallium	0.00037	J	1.00	1.05		mg/L		105	75 - 125
Vanadium	0.0013		0.500	0.489		mg/L		98	75 - 125
Zinc	<0.0032		0.250	0.238		mg/L		95	75 - 125

**Lab Sample ID: 180-118717-7 MSD**  
**Matrix: Water**  
**Analysis Batch: 351633**

**Client Sample ID: GWC-10**  
**Prep Type: Total Recoverable**  
**Prep Batch: 351407**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.233		mg/L		93	75 - 125	1	20
Arsenic	0.00069	J	1.00	0.986		mg/L		99	75 - 125	2	20
Barium	0.019		1.00	1.01		mg/L		99	75 - 125	1	20
Beryllium	0.00033	J	0.500	0.435		mg/L		87	75 - 125	2	20
Boron	0.045	J	1.25	1.07		mg/L		82	75 - 125	2	20
Cadmium	<0.00022		0.500	0.499		mg/L		100	75 - 125	1	20
Calcium	18		25.0	43.2		mg/L		101	75 - 125	3	20
Chromium	0.0054		0.500	0.479		mg/L		95	75 - 125	3	20
Cobalt	<0.00013		0.500	0.499		mg/L		100	75 - 125	2	20
Copper	<0.00063		0.500	0.490		mg/L		98	75 - 125	3	20
Lead	<0.00013		0.500	0.480		mg/L		96	75 - 125	6	20
Nickel	0.00043	J	0.500	0.491		mg/L		98	75 - 125	1	20
Selenium	<0.0015		1.00	1.00		mg/L		100	75 - 125	3	20
Silver	<0.00018		0.250	0.245		mg/L		98	75 - 125	1	20
Thallium	0.00037	J	1.00	0.994		mg/L		99	75 - 125	6	20
Vanadium	0.0013		0.500	0.480		mg/L		96	75 - 125	2	20
Zinc	<0.0032		0.250	0.235		mg/L		94	75 - 125	1	20

**Lab Sample ID: MB 180-351412/1-A**  
**Matrix: Water**  
**Analysis Batch: 351633**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 351412**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		03/31/21 13:13	04/01/21 13:49	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		03/31/21 13:13	04/01/21 13:49	1
Barium	<0.0016		0.010	0.0016	mg/L		03/31/21 13:13	04/01/21 13:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		03/31/21 13:13	04/01/21 13:49	1
Boron	<0.039		0.080	0.039	mg/L		03/31/21 13:13	04/01/21 13:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/31/21 13:13	04/01/21 13:49	1

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

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

**Lab Sample ID: MB 180-351412/1-A**  
**Matrix: Water**  
**Analysis Batch: 351633**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 351412**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.50	0.13	mg/L		03/31/21 13:13	04/01/21 13:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/31/21 13:13	04/01/21 13:49	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		03/31/21 13:13	04/01/21 13:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		03/31/21 13:13	04/01/21 13:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		03/31/21 13:13	04/01/21 13:49	1
Nickel	<0.00034		0.0010	0.00034	mg/L		03/31/21 13:13	04/01/21 13:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		03/31/21 13:13	04/01/21 13:49	1
Silver	<0.00018		0.0010	0.00018	mg/L		03/31/21 13:13	04/01/21 13:49	1
Thallium	<0.00015		0.0010	0.00015	mg/L		03/31/21 13:13	04/01/21 13:49	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		03/31/21 13:13	04/01/21 13:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		03/31/21 13:13	04/01/21 13:49	1

**Lab Sample ID: LCS 180-351412/2-A**  
**Matrix: Water**  
**Analysis Batch: 351633**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 351412**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.226		mg/L		91	80 - 120
Arsenic	1.00	0.980		mg/L		98	80 - 120
Barium	1.00	0.965		mg/L		97	80 - 120
Beryllium	0.500	0.426		mg/L		85	80 - 120
Boron	1.25	1.00		mg/L		80	80 - 120
Cadmium	0.500	0.485		mg/L		97	80 - 120
Calcium	25.0	25.1		mg/L		100	80 - 120
Chromium	0.500	0.481		mg/L		96	80 - 120
Cobalt	0.500	0.495		mg/L		99	80 - 120
Copper	0.500	0.486		mg/L		97	80 - 120
Lead	0.500	0.486		mg/L		97	80 - 120
Nickel	0.500	0.482		mg/L		96	80 - 120
Selenium	1.00	0.980		mg/L		98	80 - 120
Silver	0.250	0.239		mg/L		96	80 - 120
Thallium	1.00	1.00		mg/L		100	80 - 120
Vanadium	0.500	0.476		mg/L		95	80 - 120
Zinc	0.250	0.231		mg/L		93	80 - 120

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

**Lab Sample ID: MB 180-350419/2**  
**Matrix: Water**  
**Analysis Batch: 350419**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/23/21 12:14	1

**Lab Sample ID: LCS 180-350419/1**  
**Matrix: Water**  
**Analysis Batch: 350419**

**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	446		mg/L		98	80 - 120

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

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

**Lab Sample ID: 180-118717-1 DU**  
**Matrix: Water**  
**Analysis Batch: 350419**

**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	29		28.0		mg/L		4	10

**Lab Sample ID: MB 180-350487/2**  
**Matrix: Water**  
**Analysis Batch: 350487**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/23/21 20:08	1

**Lab Sample ID: LCS 180-350487/1**  
**Matrix: Water**  
**Analysis Batch: 350487**

**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	464		mg/L		102	80 - 120

**Lab Sample ID: 180-118717-9 DU**  
**Matrix: Water**  
**Analysis Batch: 350487**

**Client Sample ID: GWC-12**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	19		20.0		mg/L		5	10

**Lab Sample ID: MB 180-350489/2**  
**Matrix: Water**  
**Analysis Batch: 350489**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/23/21 20:50	1

**Lab Sample ID: LCS 180-350489/1**  
**Matrix: Water**  
**Analysis Batch: 350489**

**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	458		mg/L		100	80 - 120

**Lab Sample ID: MB 180-350652/2**  
**Matrix: Water**  
**Analysis Batch: 350652**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/24/21 19:32	1

**Lab Sample ID: LCS 180-350652/1**  
**Matrix: Water**  
**Analysis Batch: 350652**

**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	452		mg/L		99	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

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

Lab Sample ID: 180-118717-8 DU  
Matrix: Water  
Analysis Batch: 350652

Client Sample ID: GWC-11  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	81		89.0		mg/L		9	10

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

# QC Association Summary

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## HPLC/IC

### Analysis Batch: 351343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-1	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-118717-2	GWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-118717-3	GWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-118717-7	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-118717-8	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-118717-9	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-118717-10	GWA-13	Total/NA	Water	EPA 300.0 R2.1	
180-118717-11	GWA-14	Total/NA	Water	EPA 300.0 R2.1	
180-118717-12	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-118717-13	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-118717-14	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-118717-21	FB-1	Total/NA	Water	EPA 300.0 R2.1	
180-118717-22	EB-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-351343/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-351343/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 351345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-4	GWC-4A	Total/NA	Water	EPA 300.0 R2.1	
180-118717-15	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-118717-16	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-118717-17	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-118717-18	GWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-118717-19	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-118717-20	DUP-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-351345/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-351345/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 351490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-5	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-118717-6	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
MB 180-351490/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-351490/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 351407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-7	GWC-10	Total Recoverable	Water	3005A	
180-118717-8	GWC-11	Total Recoverable	Water	3005A	
180-118717-9	GWC-12	Total Recoverable	Water	3005A	
180-118717-10	GWA-13	Total Recoverable	Water	3005A	
180-118717-11	GWA-14	Total Recoverable	Water	3005A	
180-118717-12	GWC-15	Total Recoverable	Water	3005A	
180-118717-13	GWA-16	Total Recoverable	Water	3005A	
180-118717-14	GWC-17	Total Recoverable	Water	3005A	
180-118717-15	GWC-18	Total Recoverable	Water	3005A	
180-118717-16	GWC-19	Total Recoverable	Water	3005A	
180-118717-17	GWC-20	Total Recoverable	Water	3005A	
180-118717-18	GWC-21	Total Recoverable	Water	3005A	

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# QC Association Summary

Client: Southern Company  
 Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## Metals (Continued)

### Prep Batch: 351407 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-19	GWC-23	Total Recoverable	Water	3005A	
180-118717-20	DUP-1	Total Recoverable	Water	3005A	
180-118717-21	FB-1	Total Recoverable	Water	3005A	
180-118717-22	EB-1	Total Recoverable	Water	3005A	
MB 180-351407/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-351407/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-118717-7 MS	GWC-10	Total Recoverable	Water	3005A	
180-118717-7 MSD	GWC-10	Total Recoverable	Water	3005A	

### Prep Batch: 351412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-1	GWC-1	Total Recoverable	Water	3005A	
180-118717-2	GWA-2	Total Recoverable	Water	3005A	
180-118717-3	GWA-3	Total Recoverable	Water	3005A	
180-118717-4	GWC-4A	Total Recoverable	Water	3005A	
180-118717-5	GWC-5	Total Recoverable	Water	3005A	
180-118717-6	GWC-9	Total Recoverable	Water	3005A	
MB 180-351412/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-351412/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 351633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-1	GWC-1	Total Recoverable	Water	EPA 6020B	351412
180-118717-2	GWA-2	Total Recoverable	Water	EPA 6020B	351412
180-118717-3	GWA-3	Total Recoverable	Water	EPA 6020B	351412
180-118717-4	GWC-4A	Total Recoverable	Water	EPA 6020B	351412
180-118717-5	GWC-5	Total Recoverable	Water	EPA 6020B	351412
180-118717-6	GWC-9	Total Recoverable	Water	EPA 6020B	351412
180-118717-7	GWC-10	Total Recoverable	Water	EPA 6020B	351407
180-118717-8	GWC-11	Total Recoverable	Water	EPA 6020B	351407
180-118717-9	GWC-12	Total Recoverable	Water	EPA 6020B	351407
180-118717-10	GWA-13	Total Recoverable	Water	EPA 6020B	351407
180-118717-11	GWA-14	Total Recoverable	Water	EPA 6020B	351407
180-118717-12	GWC-15	Total Recoverable	Water	EPA 6020B	351407
180-118717-13	GWA-16	Total Recoverable	Water	EPA 6020B	351407
180-118717-14	GWC-17	Total Recoverable	Water	EPA 6020B	351407
180-118717-15	GWC-18	Total Recoverable	Water	EPA 6020B	351407
180-118717-16	GWC-19	Total Recoverable	Water	EPA 6020B	351407
180-118717-17	GWC-20	Total Recoverable	Water	EPA 6020B	351407
180-118717-18	GWC-21	Total Recoverable	Water	EPA 6020B	351407
180-118717-19	GWC-23	Total Recoverable	Water	EPA 6020B	351407
180-118717-20	DUP-1	Total Recoverable	Water	EPA 6020B	351407
180-118717-21	FB-1	Total Recoverable	Water	EPA 6020B	351407
180-118717-22	EB-1	Total Recoverable	Water	EPA 6020B	351407
MB 180-351407/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	351407
MB 180-351412/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	351412
LCS 180-351407/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	351407
LCS 180-351412/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	351412
180-118717-7 MS	GWC-10	Total Recoverable	Water	EPA 6020B	351407
180-118717-7 MSD	GWC-10	Total Recoverable	Water	EPA 6020B	351407

# QC Association Summary

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## General Chemistry

### Analysis Batch: 350419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-1	GWC-1	Total/NA	Water	SM 2540C	
180-118717-2	GWA-2	Total/NA	Water	SM 2540C	
MB 180-350419/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-350419/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-118717-1 DU	GWC-1	Total/NA	Water	SM 2540C	

### Analysis Batch: 350487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-3	GWA-3	Total/NA	Water	SM 2540C	
180-118717-7	GWC-10	Total/NA	Water	SM 2540C	
180-118717-9	GWC-12	Total/NA	Water	SM 2540C	
180-118717-10	GWA-13	Total/NA	Water	SM 2540C	
180-118717-11	GWA-14	Total/NA	Water	SM 2540C	
180-118717-16	GWC-19	Total/NA	Water	SM 2540C	
180-118717-17	GWC-20	Total/NA	Water	SM 2540C	
MB 180-350487/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-350487/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-118717-9 DU	GWC-12	Total/NA	Water	SM 2540C	

### Analysis Batch: 350489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-13	GWA-16	Total/NA	Water	SM 2540C	
180-118717-14	GWC-17	Total/NA	Water	SM 2540C	
180-118717-21	FB-1	Total/NA	Water	SM 2540C	
180-118717-22	EB-1	Total/NA	Water	SM 2540C	
MB 180-350489/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-350489/1	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 350652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-4	GWC-4A	Total/NA	Water	SM 2540C	
180-118717-5	GWC-5	Total/NA	Water	SM 2540C	
180-118717-6	GWC-9	Total/NA	Water	SM 2540C	
180-118717-8	GWC-11	Total/NA	Water	SM 2540C	
180-118717-12	GWC-15	Total/NA	Water	SM 2540C	
180-118717-15	GWC-18	Total/NA	Water	SM 2540C	
180-118717-18	GWC-21	Total/NA	Water	SM 2540C	
180-118717-19	GWC-23	Total/NA	Water	SM 2540C	
180-118717-20	DUP-1	Total/NA	Water	SM 2540C	
MB 180-350652/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-350652/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-118717-8 DU	GWC-11	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 350246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-1	GWC-1	Total/NA	Water	Field Sampling	
180-118717-2	GWA-2	Total/NA	Water	Field Sampling	
180-118717-3	GWA-3	Total/NA	Water	Field Sampling	
180-118717-4	GWC-4A	Total/NA	Water	Field Sampling	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant McIntosh Landfill #4

Job ID: 180-118717-1

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 350246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-118717-5	GWC-5	Total/NA	Water	Field Sampling	
180-118717-6	GWC-9	Total/NA	Water	Field Sampling	
180-118717-7	GWC-10	Total/NA	Water	Field Sampling	
180-118717-8	GWC-11	Total/NA	Water	Field Sampling	
180-118717-9	GWC-12	Total/NA	Water	Field Sampling	
180-118717-10	GWA-13	Total/NA	Water	Field Sampling	
180-118717-11	GWA-14	Total/NA	Water	Field Sampling	
180-118717-12	GWC-15	Total/NA	Water	Field Sampling	
180-118717-13	GWA-16	Total/NA	Water	Field Sampling	
180-118717-14	GWC-17	Total/NA	Water	Field Sampling	
180-118717-15	GWC-18	Total/NA	Water	Field Sampling	
180-118717-16	GWC-19	Total/NA	Water	Field Sampling	
180-118717-17	GWC-20	Total/NA	Water	Field Sampling	
180-118717-18	GWC-21	Total/NA	Water	Field Sampling	
180-118717-19	GWC-23	Total/NA	Water	Field Sampling	

**Chain of Custody Record**



<b>Client Information</b> Client Contact: SCS Contacts Company: GA Power Address: 241 Ralph McGill Blvd SE City: Atlanta State, Zip: GA, 30308 Phone: 404-506-7116(Tel) Email: SCS Contacts Project Name: Plant McIntosh Landfill #4 Site: Georgia		Sampler: T. Sobiechowski / A. Schmittler Lab P.M.: Brown, Shaji Phone: shaji.brown@eurofinset.com E-Mail: shaji.brown@eurofinset.com Carrier Tracking No(s): COC No: Page: 1 of 2 Job #:	
Due Date Requested: TAT Requested (Days): PO #: SCS10382606 WO #: Project #: 18019955 SSOW#:		Analysis Requested Field Filtered Sample (Yes or No) AP III Metals: B, Ca Cl, F, SO <sub>4</sub> & TDS Custom State 15 Permit Metals (EPA 6020): Sb, As, Ba, Be, Cd, Cr, Hg, Pb, Ni, Se, Ag, Tl, V, Zn	
<b>Sample Identification</b> Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=soil, A=air) Preservation Code		Total Number of Containers Special Instruc pH = 4.89 pH = 4.76 pH = 4.91 pH = 4.90 pH = 4.80 pH = 4.69 pH = 6.48 pH = 6.58 pH = 4.97 pH = 4.47 pH = 4.76	
GWC-1 GWA-2 GWA-3 GWC-4A GWC-5 GWC-9 GWC-10 GWC-11 GWC-12 GWA-13 GWA-14		3-16-21 1335 G W 3-16-21 1145 G W 3-16-21 1015 G W 3-17-21 1435 G W 3-17-21 0935 G W 3-17-21 1030 G W 3-16-21 1625 G W 3-17-21 1433 G W 3-16-21 1440 G W 3-16-21 1010 G W 3-16-21 1108 G W	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) Empty Kit Relinquished by:			
Relinquished by: <i>[Signature]</i> Relinquished by: <i>Michael Phelan</i> Relinquished by:		Date: 3/18/21 Date/Time: 3-18-21 12:44 Date/Time: 3-18-21 12:44 Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Received by: <i>[Signature]</i> Received by: <i>Allura Watson</i> Received by:	
Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	



# Chain of Custody Record



Environment Testing  
America

Client Information		Lab P.M.I.		Carrriage Tracking No(s)						
Client Contact: T. Goble / A. Schmitzke		Brown, Shail								
Phone:		E-Mail: shail.brown@eurofinsnet.com								
Company: SA Power										
Address: 141 Ralph McGill Blvd SE										
City: Atlanta										
State, Zip: GA, 30308										
Phone: 04-506-7116(Tel)										
Mail: SCS10382606										
CS Contacts: Project Name: Plant McIntosh Landfill #4										
Tel: 18019955										
SSOW#:										
Analysis Requested										
Sample Identification	Sample Date	Sample Time	Sample Type (G=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	APPL III Metals: B, Ca	CL, F, SO <sub>4</sub> , & TDS (EPA 300.0 & SM 2540C)	Sb, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Ni, Se, Ag, Tl, V, Zn (Custom State 15 Permit Metals (EPA 602))	Total Number of Containers	Special Instructions/Note:
GWC-15	3-17-21	1055	G	W	NN	✓	✓	✓	2	pH = 5.41
GWA-16	3-16-21	1218	G	W	NN	✓	✓	✓	2	pH = 4.68
GWC-17	3-16-21	1329	G	W	NN	✓	✓	✓	2	pH = 4.83
GWC-18	3-17-21	1235	G	W	NN	✓	✓	✓	2	pH = 5.99
GWC-19	3-16-21	1513	G	W	NN	✓	✓	✓	2	pH = 5.45
GWC-20	3-16-21	1623	G	W	NN	✓	✓	✓	2	pH = 4.78
GWC-21	3-17-21	1335	G	W	NN	✓	✓	✓	2	pH = 4.80
GWC-23	3-17-21	1205	G	W	NN	✓	✓	✓	2	pH = 4.97
DUP-1	3-17-21	—	G	W	NN	✓	✓	✓	2	pH = —
FB-1	3-16-21	1310	G	W	NN	✓	✓	✓	2	pH = —
EB-1	3-16-21	1230	G	W	NN	✓	✓	✓	2	pH = —
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						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				
Filterable Requested: I, II, III, IV, Other (specify) _____ Empty Kit Reinquished by: _____						Special Instructions/QC Requirements: State Permit Metals: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, zinc. Method of Shipment: _____				
Inquished by: _____ Date/Time: 3/1/21						Received by: Michael Mesky Date/Time: 3-18-21 12:44 Company:				
Inquished by: Michael Mesky Date/Time: 3-18-21 12:44 Company:						Received by: Jellie W... Date/Time: 3-19-21 Company:				
Inquished by: _____ Date/Time: _____						Received by: _____ Date/Time: 895 Company:				
Body Seals Intact: _____ Yes Δ No						Cooler Temperature(s) °C and Other Remarks: _____				

RTYI  
eurofins FZ

469-434 RIT2 EXP 11/21

03.19

Environment Testing  
TestAmerica

ORIGIN ID: ILIYA (678) 966-9991  
GEORGE TAYLOR  
EUROFINS TESTING AMERICA ATL SC  
6215 REGENCY PARKWAY NW  
SUITE 900  
NORCROSS GA 30071  
UNITED STATES US

SHIP DATE: 18MAR21  
ACTWGT: 50.00 LB  
CAD: 859116/CAFE3409

16:30  
18056  
03.19

Environment Testing  
TestAmerica

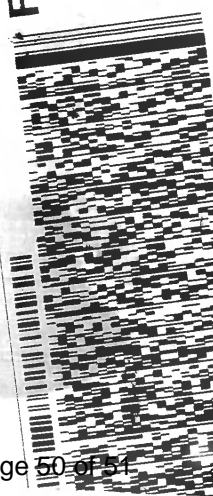
SHIP DATE: 18MAR21  
ACTWGT: 50.00 LB  
CAD: 859116/CAFE3409

(678) 966-9991  
AG AMERICA ATL SC  
ARKWAY NA  
30071  
US

BILL RECIPIENT

RECEIVING  
NS TESTAMERICA PITTSBURGH  
PHA DR.  
ARK  
BURGH PA 15238

FedEx Express



1 of 2  
FRI - 19 MAR 4:30P  
STANDARD OVERNIGHT

MASTER #  
1516 9328 8056

15238  
PIT

IA AGCA

Uncorrected temp 25 °C  
Thermometer ID 14

CF O Initials ry

PT-WI-SR-001 effective 11/8/18



4/5/2021

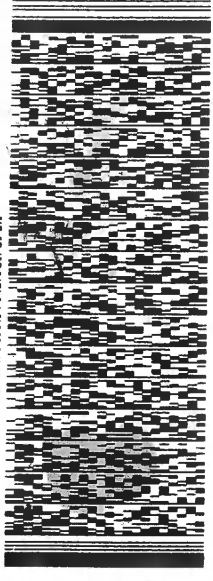
58R3/AR39/0522

TO SAMPLE RECEIVING  
EUROFINS TESTAMERICA PITTSBURGH  
301 ALPHA DR.  
RIDG PARK  
PITTSBURGH PA 15238  
(412) 963-7068  
REF: ACC

SHIP DATE: 18MAR21  
ACTWGT: 50.00 LB  
CAD: 859116/CAFE3409

BILL RECIPIENT

FedEx Express



2 of 2  
FRI - 19 MAR 4:30P  
STANDARD OVERNIGHT

MPS# 1516 9328 8067  
Mstr# 1516 9328 8056

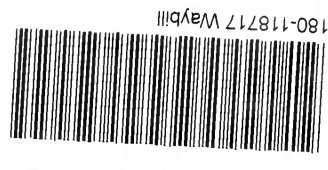
15238  
PIT

NA AGCA

Uncorrected temp  
Thermometer ID

CF C Initials J

PT-WI-SR-001 effective 11/8/18



180-118717 Waybill

- 1
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- 13

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-118717-1

**Login Number: 118717**

**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?	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	



**LEVEL 2A LABORATORY DATA VALIDATIONS**

**McIntosh Existing Landfill No. 4**

**1<sup>st</sup> Semiannual Event**

**March 2021**



## **Georgia Power Company – McIntosh Landfill 4**

### **Quality Control Review of Analytical Data – March 2021**

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Pittsburgh for groundwater samples collected at McIntosh LF4 between March 16, 2021 and March 17, 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 of this Appendix.

In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 CFR, Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detected monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), Determination of Inorganic Anions (USEPA Method 300.0), and Solids in Water (Standard Methods 2540C).

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)<sup>1</sup> and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)<sup>2</sup>. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (field, equipment, and laboratory blanks). Sample receipt conditions, holding times, and chains of custody (COCs) were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

## DATA QUALITY OBJECTIVES

**Laboratory Precision:** Laboratory goals for precision were met.

**Field Precision:** Field goals for precision were met, with the exception of Zinc on GWC-15 (180-118717-12) as described in the qualifications section below.

**Accuracy:** Laboratory goals for accuracy were met.

**Detection Limits:** Project goals for detection limits were met. Certain samples were diluted due to the concentration of target or non-target analyte interferences. Dilutions do not require qualifications based on USEPA guidelines. Reporting limits (RLs) of non-detect compounds are elevated proportional to the dilution when undiluted sample results were not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization.

**Completeness:** There were no rejected analytical results for this event, resulting in a completion of 100%.

**Holding Times:** Holding time requirements were met.

## QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy 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 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

**ND:** 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. The applied qualifications may not have been required for all samples collected at the site. A summary of sample qualifications can be found in Table 2 of this Appendix.

- Samples GWC-15 (180-118717-12) and DUP-1 (180-118717-20) were qualified as estimated (J) for Zinc as the field relative percent difference (RPD) exceeded QC criteria (35.51% above the limit of 20).

Atlantic Coast Consulting, Inc. reviewed the laboratory data from McIntosh LF4 sampled between March 16, 2021 and March 17, 2021 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

## **REFERENCES**

<sup>1</sup>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

<sup>2</sup>USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0

TABLE 1

Georgia Power Company – McIntosh LF4

Sample Summary Table – March 2021

SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses		
						Metals (6020B)	Anions (300.0)	TDS (SM 2540C)
118717	GWC-1	3/16/2021	180-118717-1	GW		X	X	X
118717	GWA-2	3/16/2021	180-118717-2	GW		X	X	X
118717	GWA-3	3/16/2021	180-118717-3	GW		X	X	X
118717	GWC-4A	3/17/2021	180-118717-4	GW		X	X	X
118717	GWC-5	3/17/2021	180-118717-5	GW		X	X	X
118717	GWC-9	3/17/2021	180-118717-6	GW		X	X	X
118717	GWC-10	3/16/2021	180-118717-7	GW		X	X	X
118717	GWC-11	3/17/2021	180-118717-8	GW		X	X	X
118717	GWC-12	3/16/2021	180-118717-9	GW		X	X	X
118717	GWA-13	3/16/2021	180-118717-10	GW		X	X	X
118717	GWA-14	3/16/2021	180-118717-11	GW		X	X	X
118717	GWC-15	3/17/2021	180-118717-12	GW		X	X	X
118717	GWA-16	3/16/2021	180-118717-13	GW		X	X	X
118717	GWC-17	3/16/2021	180-118717-14	GW		X	X	X
118717	GWC-18	3/17/2021	180-118717-15	GW		X	X	X
118717	GWC-19	3/16/2021	180-118717-16	GW		X	X	X
118717	GWC-20	3/16/2021	180-118717-17	GW		X	X	X
118717	GWC-21	3/17/2021	180-118717-18	GW		X	X	X
118717	GWC-23	3/17/2021	180-118717-19	GW		X	X	X
118717	DUP-1	3/17/2021	180-118717-20	GW	FD (GWC-15)	X	X	X
118717	FB-1	3/16/2021	180-118717-21	WQ	FB	X	X	X
118717	EB-1	3/16/2021	180-118717-22	WQ	EB	X	X	X

Abbreviations:

- EB – Equipment Blank
- FB – Field Blank
- FD – Field Duplicate
- GW – Groundwater
- QC – Quality Control
- TDS – Total Dissolved Solids
- WQ – Water Quality Control

TABLE 2

Georgia Power Company – McIntosh LF4

Qualifier Summary Table – March 2021

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
118717	GWC-12	Zinc			J	RPD exceeds field goal
118717	DUP-1	Zinc			J	RPD exceeds field goal

Abbreviations:

MDC – Minimum Detectable Concentration  
 MS/MSD – Matrix Spike / Matrix Spike Duplicate  
 MDL – Method Detection Limit  
 RL – Reporting Limit  
 RPD – Relative Percent Difference  
 SDG – Sample Delivery Group  
 TDS – Total Dissolved Solids

Qualifiers:

J – Estimated Result  
 ND – Non-Detect Result

Product Name: Low-Flow System

Date: 2021-03-16 13:32:23

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 28 ft

Pump placement from TOC 22 ft

Well Information:

Well ID GWC-1  
Well diameter 2 in  
Well Total Depth 28.29 ft  
Screen Length 10 ft  
Depth to Water 14.11 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.2149758 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:10:03	1199.99	20.66	4.94	42.25	5.10	14.40	3.20	112.32
Last 5	13:15:03	1499.98	21.14	4.97	43.01	8.20	14.40	3.22	112.20
Last 5	13:20:03	1799.97	20.57	4.89	42.07	6.80	14.40	3.16	114.04
Last 5	13:25:03	2099.96	20.39	4.90	42.08	5.10	14.40	3.03	112.94
Last 5	13:30:03	2399.95	20.12	4.89	41.83	4.50	14.40	3.08	113.20
Variance 0			-0.58	-0.07	-0.94			-0.07	1.83
Variance 1			-0.18	0.01	0.01			-0.13	-1.10
Variance 2			-0.27	-0.01	-0.26			0.05	0.26

Notes

Sample time: 1335. Cloudy 60s. EB-1 here at 12:30

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 11:42:46

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 28 ft

Pump placement from TOC 22 ft

Well Information:

Well ID GWA-2  
Well diameter 2 in  
Well Total Depth 28.47 ft  
Screen Length 10 ft  
Depth to Water 16.53 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.2149758 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:20:09	1799.97	19.74	4.75	36.24	6.00	16.70	3.92	137.41
Last 5	11:25:09	2099.96	19.77	4.75	36.28	5.60	16.70	3.93	136.96
Last 5	11:30:09	2399.95	19.77	4.74	36.26	5.20	16.70	3.89	136.50
Last 5	11:35:08	2699.94	19.79	4.75	36.18	5.30	16.70	3.87	135.82
Last 5	11:40:08	2999.94	19.86	4.76	36.13	4.40	16.70	3.91	134.56
Variance 0			0.00	-0.01	-0.02			-0.04	-0.46
Variance 1			0.02	0.01	-0.08			-0.02	-0.67
Variance 2			0.07	0.02	-0.05			0.04	-1.27

Notes

Sample time:1145. Overcast 60s

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 10:11:11

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 38 ft

Pump placement from TOC 32 ft

Well Information:

Well ID GWA-3  
Well diameter 2 in  
Well Total Depth 38.31 ft  
Screen Length 10 ft  
Depth to Water 20.83 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.2596101 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 44 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:45:09	600.00	20.34	5.08	27.51	1.20	23.70	5.70	160.73
Last 5	09:50:09	899.99	20.41	4.98	27.46	3.50	24.00	5.59	157.52
Last 5	09:55:09	1199.99	20.48	4.93	27.40	2.40	24.30	5.56	155.47
Last 5	10:00:09	1499.98	20.57	4.91	27.46	1.70	24.50	5.56	153.44
Last 5	10:05:09	1799.97	20.68	4.91	27.37	1.20	24.60	5.42	151.34
Variance 0			0.07	-0.05	-0.05			-0.03	-2.06
Variance 1			0.09	-0.02	0.05			-0.00	-2.02
Variance 2			0.11	-0.00	-0.09			-0.15	-2.10

Notes

Sample time: 1015. Overcast 60s.

Grab Samples



Product Name: Low-Flow System

Date: 2021-03-17 14:33:13

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 39 ft

Pump placement from TOC 34 ft

Well Information:

Well ID GWC-4A  
Well diameter 2 in  
Well Total Depth 39.00 ft  
Screen Length 10 ft  
Depth to Water 23.88 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.2640735 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:11:07	600.01	22.09	4.92	34.29	0.80	24.30	4.35	131.21
Last 5	14:16:07	900.00	22.27	4.92	34.34	0.50	24.30	4.45	128.90
Last 5	14:21:07	1199.99	22.04	4.90	34.28	0.40	24.30	4.51	127.96
Last 5	14:26:07	1499.99	21.87	4.91	34.22	0.30	24.30	4.49	126.91
Last 5	14:31:07	1799.98	21.82	4.90	33.99	0.30	24.30	4.47	126.40
Variance 0			-0.23	-0.02	-0.06			0.06	-0.94
Variance 1			-0.17	0.00	-0.05			-0.02	-1.04
Variance 2			-0.05	-0.01	-0.24			-0.02	-0.51

Notes

Sample time:1435. Cloudy 60s.

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-17 09:35:51

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 42 ft

Pump placement from TOC 37 ft

Well Information:

Well ID GWC-5  
Well diameter 2 in  
Well Total Depth 41.71 ft  
Screen Length 10 ft  
Depth to Water 22.95 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.1548664 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1 in  
Total Volume Pumped 4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 30
Last 5	09:15:02	600.03	19.57	5.77	30.88	0.66	23.20	7.66	125.08
Last 5	09:20:02	900.02	19.72	4.80	31.20	0.51	23.22	5.97	127.39
Last 5	09:25:02	1200.02	19.86	4.73	32.26	0.44	23.23	5.60	125.36
Last 5	09:30:02	1500.02	19.80	4.77	33.69	0.41	23.24	5.46	121.00
Last 5	09:35:02	1800.02	19.69	4.80	32.90	0.38	22.35	5.50	120.29
Variance 0			0.14	-0.07	1.06			-0.37	-2.03
Variance 1			-0.06	0.05	1.43			-0.14	-4.36
Variance 2			-0.11	0.03	-0.80			0.04	-0.71

Notes

Sampled at 0935. Foggy 57 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-17 10:28:59

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 38 ft

Pump placement from TOC 33 ft

Well Information:

Well ID GWC-9  
Well diameter 2 in  
Well Total Depth 38.05 ft  
Screen Length 10 ft  
Depth to Water 29.11 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2596101 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1 in  
Total Volume Pumped 17 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:05:03	2999.96	20.13	4.70	39.42	0.40	29.20	7.27	151.45
Last 5	10:10:03	3299.95	20.17	4.69	39.01	0.50	29.20	7.74	150.67
Last 5	10:15:03	3599.95	20.21	4.68	38.91	0.40	29.20	7.50	150.53
Last 5	10:20:03	3899.94	20.12	4.68	38.77	0.50	29.20	7.88	150.07
Last 5	10:25:03	4199.94	20.21	4.69	38.77	0.30	29.20	7.28	148.94
Variance 0			0.04	-0.01	-0.10			-0.25	-0.13
Variance 1			-0.09	0.01	-0.15			0.38	-0.47
Variance 2			0.09	0.01	0.00			-0.59	-1.12

Notes

Sample time: 10:30. Cloudy 60s

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 16:22:32

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 33 ft

Pump placement from TOC 28 ft

Well Information:

Well ID GWC-10  
Well diameter 2 in  
Well Total Depth 33.16 ft  
Screen Length 10 ft  
Depth to Water 24.5 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.237293 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2 in  
Total Volume Pumped 17 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:37:35	1499.98	21.37	6.52	182.75	0.80	24.70	4.43	79.86
Last 5	15:42:35	1799.97	21.31	6.50	179.54	0.60	24.70	4.46	80.89
Last 5	15:47:35	2099.96	21.26	6.50	176.85	0.50	24.70	4.66	81.17
Last 5	15:52:35	2399.95	21.32	6.49	176.94	0.50	24.70	4.72	80.92
Last 5	15:57:35	2699.95	21.30	6.48	175.76	0.40	24.70	4.38	81.62
Variance 0			-0.05	-0.01	-2.69			0.19	0.27
Variance 1			0.06	-0.00	0.09			0.06	-0.25
Variance 2			-0.02	-0.01	-1.18			-0.33	0.70

Notes

Sample time: 1625. Cloudy 60s

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-17 14:34:29

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type QED Bladder Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 43 ft

Pump placement from TOC 38 ft

Well Information:

Well ID GWC-11  
Well diameter 2 in  
Well Total Depth 43.22 ft  
Screen Length 10 ft  
Depth to Water 33.01 ft

Pumping Information:

Final Pumping Rate 125 mL/min  
Total System Volume 0.1564108 L 300  
Calculated Sample Rate sec  
Stabilization Drawdown 1 in  
Total Volume Pumped 5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 30
Last 5	14:13:02	1200.02	21.12	6.93	155.98	8.60	33.10	1.61	48.94
Last 5	14:18:02	1500.02	21.24	6.78	135.98	7.77	33.10	2.07	51.19
Last 5	14:23:02	1800.02	21.04	6.65	130.34	5.12	33.10	2.22	54.93
Last 5	14:28:02	2100.02	20.93	6.61	129.40	4.33	33.10	2.19	55.52
Last 5	14:33:02	2400.02	20.85	6.58	129.27	3.89	33.10	2.16	57.63
Variance 0			-0.20	-0.13	-5.65			0.15	3.74
Variance 1			-0.11	-0.03	-0.94			-0.02	0.59
Variance 2			-0.08	-0.03	-0.13			-0.03	2.11

Notes

Sampled at 1433. Cloudy 69 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 14:39:12

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 40 ft

Pump placement from TOC 36 ft

Well Information:

Well ID GWC-12  
Well diameter 2 in  
Well Total Depth 41.10 ft  
Screen Length 10 ft  
Depth to Water 26.42 ft

Pumping Information:

Final Pumping Rate 120 mL/min  
Total System Volume 0.2685369 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:15:28	600.00	22.11	4.97	21.90	1.20	26.70	6.67	126.31
Last 5	14:20:28	899.99	21.99	4.97	22.06	0.90	26.70	6.59	126.22
Last 5	14:25:27	1199.99	22.09	4.96	22.11	0.70	26.70	6.96	127.04
Last 5	14:30:27	1499.98	22.48	4.96	22.06	0.60	26.70	6.85	128.27
Last 5	14:35:27	1799.97	22.62	4.97	21.98	0.50	26.70	6.86	129.49
Variance 0			0.09	-0.00	0.05			0.37	0.82
Variance 1			0.39	-0.01	-0.05			-0.10	1.23
Variance 2			0.14	0.02	-0.08			0.00	1.22

Notes

Sample time: 1440. Cloudy 60s

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 10:11:26

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 40 ft

Pump placement from TOC 35 ft

Well Information:

Well ID GWA-13  
Well diameter 2 in  
Well Total Depth 40.11 ft  
Screen Length 10 ft  
Depth to Water 24.46 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1517775 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1 in  
Total Volume Pumped 10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 30
Last 5	09:50:37	1800.02	21.03	4.40	26.87	0.92	24.51	7.08	116.71
Last 5	09:55:38	2101.02	21.12	4.48	27.49	0.71	24.51	6.57	114.60
Last 5	10:00:38	2401.02	21.20	4.45	28.65	0.50	24.51	6.32	115.57
Last 5	10:05:38	2701.02	21.24	4.48	29.32	0.44	24.51	6.10	114.35
Last 5	10:10:38	3001.02	21.31	4.47	29.40	0.57	24.51	5.85	114.90
Variance 0			0.08	-0.03	1.15			-0.26	0.96
Variance 1			0.04	0.03	0.68			-0.22	-1.22
Variance 2			0.07	-0.01	0.08			-0.25	0.56

Notes

Sampled at 1010. Partly cloudy 65 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 11:09:53

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 50 ft

Pump placement from TOC 45 ft

Well Information:

Well ID GWA-14  
Well diameter 2 in  
Well Total Depth 49.90 ft  
Screen Length 10 ft  
Depth to Water 25.61 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.1672219 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 10 in  
Total Volume Pumped 4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 100
Last 5	10:48:02	600.02	20.82	4.85	29.24	0.85	26.37	6.24	105.27
Last 5	10:53:02	900.02	20.78	4.77	29.12	0.90	26.45	6.47	110.39
Last 5	10:58:02	1200.02	20.79	4.73	29.04	0.98	26.45	6.65	106.79
Last 5	11:03:02	1500.02	20.84	4.73	29.29	1.12	26.45	6.88	108.30
Last 5	11:08:02	1800.02	20.81	4.76	29.45	1.19	26.45	6.97	108.68
Variance 0			0.01	-0.04	-0.08			0.19	-3.60
Variance 1			0.04	-0.01	0.25			0.23	1.51
Variance 2			-0.03	0.03	0.16			0.09	0.37

Notes

Sampled at 1108. Mostly cloudy 71 degrees

Grab Samples



Product Name: Low-Flow System

Date: 2021-03-17 10:56:30

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 40 ft

Pump placement from TOC 35 ft

Well Information:

Well ID GWC-15  
Well diameter 2 in  
Well Total Depth 40.30 ft  
Screen Length 10 ft  
Depth to Water 21.95 ft

Pumping Information:

Final Pumping Rate 160 mL/min  
Total System Volume 0.1517775 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5 in  
Total Volume Pumped 6.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 30
Last 5	10:30:02	900.02	20.40	5.51	55.61	1.63	22.45	7.07	113.01
Last 5	10:40:02	1500.02	20.16	5.48	50.65	1.35	22.47	7.58	108.45
Last 5	10:45:02	1800.02	20.13	5.47	48.39	1.03	22.47	7.54	106.94
Last 5	10:50:02	2100.02	20.17	5.37	47.52	0.81	22.47	7.22	109.77
Last 5	10:55:02	2400.02	20.12	5.41	46.34	0.83	22.47	7.18	105.41
Variance 0			-0.03	-0.02	-2.26			-0.05	-1.52
Variance 1			0.04	-0.09	-0.87			-0.32	2.84
Variance 2			-0.04	0.03	-1.18			-0.03	-4.37

Notes

Sampled at 1055. Cloudy 60 degrees. Dup-1 taken here.

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 12:19:55

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 40 ft

Pump placement from TOC 35 ft

Well Information:

Well ID GWA-16  
Well diameter 2 in  
Well Total Depth 40.27 ft  
Screen Length 10 ft  
Depth to Water 23.74 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.1517775 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3 in  
Total Volume Pumped 3.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 100
Last 5	11:58:02	600.02	21.81	4.56	27.50	1.35	24.13	6.94	109.51
Last 5	12:03:02	900.02	21.94	4.55	27.26	1.22	24.13	6.95	110.62
Last 5	12:08:02	1200.02	22.17	4.69	27.23	1.17	24.13	6.95	106.10
Last 5	12:13:02	1500.02	22.26	4.67	27.07	1.05	24.13	6.95	109.52
Last 5	12:18:02	1800.02	22.20	4.68	27.26	1.27	24.13	6.99	110.29
Variance 0			0.24	0.14	-0.03			-0.00	-4.52
Variance 1			0.09	-0.02	-0.16			0.01	3.42
Variance 2			-0.07	0.01	0.19			0.03	0.77

Notes

Sampled at 1218. Mostly cloudy 72 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 13:30:35

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 40 ft

Pump placement from TOC 35 ft

Well Information:

Well ID GWC-17  
Well diameter 2 in  
Well Total Depth 40.05 ft  
Screen Length 10 ft  
Depth to Water 26.71 ft

Pumping Information:

Final Pumping Rate 130 mL/min  
Total System Volume 0.1517775 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 5 in  
Total Volume Pumped 3.9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 30
Last 5	13:09:05	600.02	21.69	4.83	37.03	0.51	27.06	6.07	117.04
Last 5	13:14:05	900.02	21.68	4.87	37.06	0.43	27.10	6.19	112.42
Last 5	13:19:05	1200.02	21.80	4.82	36.92	0.36	27.15	6.10	114.17
Last 5	13:24:05	1500.02	21.75	4.84	36.97	0.51	27.20	6.02	113.00
Last 5	13:29:05	1800.02	21.37	4.83	36.51	0.55	27.24	6.20	114.08
Variance 0			0.12	-0.05	-0.14			-0.09	1.75
Variance 1			-0.05	0.02	0.05			-0.08	-1.16
Variance 2			-0.38	-0.01	-0.46			0.18	1.08

Notes

Sampled at 1329. Mostly cloudy 76 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-17 12:36:50

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type QED Bladder Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 43 ft

Pump placement from TOC 38 ft

Well Information:

Well ID GWC-18  
Well diameter 2 in  
Well Total Depth 42.20 ft  
Screen Length 10 ft  
Depth to Water 35.52 ft

Pumping Information:

Final Pumping Rate 260 mL/min  
Total System Volume 0.1564108 L 300  
Calculated Sample Rate sec  
Stabilization Drawdown 3 in  
Total Volume Pumped 12.1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 30
Last 5	12:15:51	1500.02	19.85	5.94	82.05	11.17	35.94	4.35	98.52
Last 5	12:20:51	1800.02	19.90	5.97	83.04	8.51	35.94	4.26	95.94
Last 5	12:25:51	2100.03	19.95	5.98	84.08	5.90	35.94	4.16	93.86
Last 5	12:30:52	2400.10	19.93	5.99	84.65	4.38	35.94	4.16	92.66
Last 5	12:35:51	2700.02	19.94	5.99	85.51	4.22	35.94	4.13	92.20
Variance 0			0.05	0.01	1.03			-0.10	-2.08
Variance 1			-0.02	0.01	0.57			0.00	-1.20
Variance 2			0.01	0.00	0.86			-0.03	-0.45

Notes

Sampled at 1235. Cloudy 63 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 15:14:16

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 37 ft

Pump placement from TOC 32 ft

Well Information:

Well ID GWC-19  
Well diameter 2 in  
Well Total Depth 36.95 ft  
Screen Length 10 ft  
Depth to Water 29.41 ft

Pumping Information:

Final Pumping Rate 260 mL/min  
Total System Volume 0.1471442 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 2 in  
Total Volume Pumped 13.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 30
Last 5	14:53:21	2100.02	21.22	5.43	81.79	0.86	29.66	4.10	98.81
Last 5	14:58:22	2401.02	21.23	5.39	82.15	0.83	29.66	4.13	99.45
Last 5	15:03:22	2701.03	21.16	5.35	81.96	0.75	29.66	4.33	101.43
Last 5	15:08:22	3001.03	21.12	5.43	82.31	0.66	29.66	4.14	96.75
Last 5	15:13:22	3301.02	21.20	5.45	82.22	0.71	29.66	4.17	96.72
Variance 0			-0.07	-0.04	-0.19			0.20	1.98
Variance 1			-0.03	0.08	0.35			-0.19	-4.68
Variance 2			0.07	0.02	-0.09			0.03	-0.03

Notes

Sampled at 1513. Mostly cloudy 78 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-16 16:25:25

Project Information:

Operator Name Taylor Goble  
Company Name Atlantic Coast Consulting  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 601533  
Turbidity Make/Model HACH 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 30 ft

Pump placement from TOC 25 ft

Well Information:

Well ID GWC-20  
Well diameter 2 in  
Well Total Depth 30.13 ft  
Screen Length 10 ft  
Depth to Water 22.68 ft

Pumping Information:

Final Pumping Rate 290 mL/min  
Total System Volume 0.1363331 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 1 in  
Total Volume Pumped 13.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 30
Last 5	16:03:33	1500.02	21.03	4.87	49.78	1.15	22.80	4.23	100.20
Last 5	16:08:33	1800.02	21.00	4.84	49.73	1.07	22.80	4.29	101.89
Last 5	16:13:33	2100.09	20.93	4.76	49.77	1.29	22.80	4.35	105.65
Last 5	16:18:33	2400.05	20.92	4.84	49.62	0.86	22.80	4.32	100.40
Last 5	16:23:33	2700.02	20.88	4.78	50.03	0.70	22.80	4.26	99.99
Variance 0			-0.08	-0.08	0.04			0.06	3.76
Variance 1			-0.00	0.07	-0.15			-0.03	-5.24
Variance 2			-0.04	-0.06	0.42			-0.06	-0.41

Notes

Sampled at 1623. Mostly cloudy 78 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-17 13:32:37

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 27 ft

Pump placement from TOC 24 ft

Well Information:

Well ID GWC-21  
Well diameter 2 in  
Well Total Depth 27.16 ft  
Screen Length 10 ft  
Depth to Water 20.81 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2105124 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 6 in  
Total Volume Pumped 12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:09:19	2399.97	21.37	4.82	34.04	0.80	21.30	3.44	124.69
Last 5	13:14:19	2699.96	21.54	4.83	33.81	0.60	21.30	3.41	126.81
Last 5	13:19:19	2999.96	21.70	4.83	33.66	0.40	21.30	3.35	127.84
Last 5	13:24:19	3299.95	21.86	4.82	33.73	0.50	21.30	3.32	129.35
Last 5	13:29:19	3599.95	21.33	4.80	34.09	0.60	21.30	3.29	131.98
Variance 0			0.16	0.00	-0.15			-0.06	1.03
Variance 1			0.16	-0.01	0.07			-0.03	1.51
Variance 2			-0.53	-0.01	0.36			-0.04	2.63

Notes

Sample time: 1335. Sunny 60s

Grab Samples

Product Name: Low-Flow System

Date: 2021-03-17 12:02:26

Project Information:

Operator Name Anna Schnittker  
Company Name Atlantic Coast Consulting, INC  
Project Name McIntosh LF4  
Site Name McIntosh LF4  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 369807  
Turbidity Make/Model Hach 2100Q

Pump Information:

Pump Model/Type Peristaltic Pump  
Tubing Type poly  
Tubing Diameter 0.17 in  
Tubing Length 34 ft

Pump placement from TOC 28.7 ft

Well Information:

Well ID GWC-23  
Well diameter 2 in  
Well Total Depth 33.7 ft  
Screen Length 10 ft  
Depth to Water 28.81 ft

Pumping Information:

Final Pumping Rate 150 mL/min  
Total System Volume 0.2417564 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 14 in  
Total Volume Pumped 9.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 10	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:41:28	2699.97	19.94	4.93	30.09	0.90	30.00	6.63	130.51
Last 5	11:46:28	2999.96	20.07	4.93	30.20	0.80	30.00	6.17	130.09
Last 5	11:51:28	3299.95	20.09	4.94	30.52	0.70	30.00	7.10	128.97
Last 5	11:56:28	3599.95	20.21	4.96	30.72	0.70	30.00	6.79	130.64
Last 5	12:01:29	3900.97	20.30	4.97	30.53	0.70	30.00	6.86	126.92
Variance 0			0.02	0.01	0.32			0.93	-1.12
Variance 1			0.12	0.02	0.21			-0.31	1.67
Variance 2			0.09	0.00	-0.20			0.07	-3.72

Notes

Sample time: 1205. Cloudy 60s

Grab Samples





# Daily Instrument Calibration Log

SITE: McIntosh L4  
 TECHNICIAN: T. Goble  
 WATER LEVEL: Solinst  
 WATER LEVEL S/N: 378591

INSTRUMENT S/N: 40821  
 INSTRUMENT TYPE: AquaTroll  
 CAL. SOLUTIONS:  
 ID: Cond LOT #: 0GI1033 EXP. DATE: 09/21  
 ID: pH4 LOT #: 0G5I407 EXP. DATE: 09/22  
 ID: pH7 LOT #: 0GI615 EXP. DATE: 09/22  
 ID: pH10 LOT #: 0GD851 EXP. DATE: 04/22  
 ID: ORP LOT #: 16A114 EXP. DATE: 10/21

**Midday pH check**  
 Must be less than .10  
 (6.90-7.10 range)  
 Recalibrate if not within range

**Calibration Date:** 3-16-21  
 RDO: 100% sat. = 99.4 *Midday pH check*  
 PH: 4.00 = 4.86 7.00 = 7.57 10.00 = 10.39 7.0 = 7.16  
 PH Recal (if needed): 4.00 = 4.83 7.00 = 7.51 10.00 = 10.40 7.0 = 7.03 post recal check ✓  
 CONDUCTIVITY: 1413 = 1253  
 ORP (mV) 246 = 205.9

**Calibration Date:** 3-17-21  
 RDO: 100% sat. = 96.2 *Midday pH check*  
 PH: 4.00 = 4.91 7.00 = 7.65 10.00 = 10.46 7.0 = 7.07  
 PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0 = NA post recal check ✓  
 CONDUCTIVITY: 1413 = 1479  
 ORP (mV) 240 = 204.7

**Calibration Date:**  
 RDO: 100% sat. = *Midday pH check*  
 PH: 4.00 = 7.00 = 10.00 = 7.0 =  
 PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0 = post recal check  
 CONDUCTIVITY: =  
 ORP (mV) =

**Calibration Date:**  
 RDO: 100% sat. = *Midday pH check*  
 PH: 4.00 = 7.00 = 10.00 = 7.0 =  
 PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0 = post recal check  
 CONDUCTIVITY: =  
 ORP (mV) =

**Calibration Date:**  
 RDO: 100% sat. = *Midday pH check*  
 PH: 4.00 = 7.00 = 10.00 = 7.0 =  
 PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0 = post recal check  
 CONDUCTIVITY: =  
 ORP (mV) =



# Daily Instrument Calibration Log

SITE: Plant McIntosh  
TECHNICIAN: T. Goble

INSTRUMENT S/N: 46990  
INSTRUMENT TYPE: Hach 2100Q  
CAL. SOLUTION: 0 NTU - LOT # New DI EXP. DATE: ←  
10 NTU - LOT # A0233 EXP. DATE: Nov-21  
20 NTU - LOT # 2694801 EXP. DATE: Jan-22

Calibration Date: 3-16-21

Calibration Solution	Instrument Reading	
0.0	0.11	NTU
10.0	9.76	NTU
20.0	19.7	NTU

100 = 100  
800 = 793

Calibration Date: 3-17-21

Calibration Solution	Instrument Reading	
0.0	0.16	NTU
10.0	9.42	NTU
20.0	20.0	NTU

100 = 99.2  
800 = 798

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU



# Daily Instrument Calibration Log

SITE: Plant McIntosh  
 TECHNICIAN: A Schmitter  
 WATER LEVEL: Solinst  
 WATER LEVEL S/N: 377060

INSTRUMENT S/N: 369807  
 INSTRUMENT TYPE: AquaTroll SmartTroll  
 CAL. SOLUTIONS:  
 ID: PH 4 LOT #: 06E1407 EXP. DATE: 9/22  
 ID: PH 7 LOT #: 06J170 EXP. DATE: 10/22 9/22  
 ID: PH 10 LOT #: 001615 EXP. DATE: 10/22  
 ID: Cond LOT #: 0611033 EXP. DATE: 9/21  
 ID: ORP LOT #: 065873 EXP. DATE: 7/21 **Midday pH check**  
 ID: \_\_\_\_\_ LOT #: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ **Must be less than .10**  
 ID: \_\_\_\_\_ LOT #: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ **(6.90-7.10 range)**  
 Recalibrate if not within range

Calibration Date: 3/16/21  
 RDO: 100% sat. = 93.2 **Midday pH check**  
 PH: 4.00 = 4.67 7.00 = 7.33 10.00 = 10.12 7.0 = 7.08  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 1566  
 ORP (mV) 240 = 219.3

Calibration Date: 3/17/21  
 RDO: 100% sat. = 91.4 **Midday pH check**  
 PH: 4.00 = 4.68 7.00 = 7.42 10.00 = 10.98 7.0 = 6.97  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 1706  
 ORP (mV) 240 = 213.3

Calibration Date:  
 RDO: 100% sat. = \_\_\_\_\_ **Midday pH check**  
 PH: 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: \_\_\_\_\_ = \_\_\_\_\_  
 ORP (mV) \_\_\_\_\_ = \_\_\_\_\_

Calibration Date:  
 RDO: 100% sat. = \_\_\_\_\_ **Midday pH check**  
 PH: 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: \_\_\_\_\_ = \_\_\_\_\_  
 ORP (mV) \_\_\_\_\_ = \_\_\_\_\_

Calibration Date:  
 RDO: 100% sat. = \_\_\_\_\_ **Midday pH check**  
 PH: 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: \_\_\_\_\_ = \_\_\_\_\_  
 ORP (mV) \_\_\_\_\_ = \_\_\_\_\_



## Daily Instrument Calibration Log

SITE: Plant McIntosh  
TECHNICIAN: A Schmittler  
INSTRUMENT S/N: 17120C063767  
INSTRUMENT TYPE: Hach 2100Q  
CAL. SOLUTION: 0 NTU - LOT # — EXP. DATE: Fresh DI Water  
10 NTU - LOT # A0136 EXP. DATE: 8/21  
20 NTU - LOT # A0139 EXP. DATE: 8/21

Calibration Date: 3/16/21

Calibration Solution	Instrument Reading	
0.0	0.17	NTU
10.0	9.61	NTU
20.0	20.1	NTU

Calibration Date: 3/17/21

Calibration Solution	Instrument Reading	
0.0	0.19	NTU
10.0	9.75	NTU
20.0	19.7	NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

<u>Location/Identification</u>		<b>GWC-1</b>	<b>GWA-2</b>	<b>GWA-3</b>	<b>GWC-4A (*GWB-4A)</b>	<b>GWC-5 (*GWB-5)</b>	<b>GWC-9</b>	<b>GWC-10</b>	<b>GWC-11</b>	<b>GWC-12</b>	<b>GWA-13</b>
1 -											
a	Is the well visible and accessible?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the well properly identified with the correct well ID?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the well require protection from traffic?	No	No	No	No	No	No	No	No	No	No
d	Is the drainage around the well acceptable? (No standing water, nor is well located in obvious drainage flow path)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: \* Well shown within parentheses is proposed name change as described in 2018 permit submittal; Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

2 - Protective Outer Casing		GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWC-11	GWC-12	GWA-13
a	Is the protective casing free from apparent damage?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the casing free of degradation or deterioration?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the casing have a functioning weep hole?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the annular space between casings filled with pea gravel or sand?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the well locked, and is the lock in good working condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

3 - Surface Pad		GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWC-11	GWC-12	GWA-13
a	Is the well pad in good condition? (Not cracked or broken)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Does the well pad provide adequate surface seal and stability to the well?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Is the well pad in complete contact with the protective casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the well pad in complete contact with the ground surface? (Not undermined by erosion, animal burrows, and does not move when stepped on)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the pad surface clean? (Not covered by soil or debris)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

4 - Internal Well Casing		GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWA-13	GWC-12	GWA-13
a	Does the well cap prevent entry of foreign material into the well?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the casing free of kinks or bends, or any obstruction from foreign objects (such as bailers) ?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the well have a venting hole near the top of casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the survey point clearly marked on the inner casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the depth of the well consistent with the original well log?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
f	Does the PVC casing move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction?	No	No	No	No	No	No	No	No	No	No

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".



Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

5 - Sampling (Groundwater Monitoring Wells Only):

		GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWA-13	GWC-12	GWA-13
a	Does the well recharge adequately when purged?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	If dedicated sampling equipment is installed, is it in good condition?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
c	Does the well require redevelopment due to slow recharge or turbidity > 10 NTUs?	No	No	No	No	No	No	No	No	No	No

Note: N/A - Not Applicable

6 - Based on your professional judgment, is the well construction / location appropriate to:

	GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWA-13	GWC-12	GWA-13
1) achieve the objectives of the facility Groundwater Monitoring Program, and 2) comply with the applicable regulatory requirements?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

7 - Corrective actions completed and Notes:

1) GWA-2,3; GWC-1,5,9,10 : Casing getting rusty - consider future repair

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

<u>Location/Identification</u>		GWA-14	GWC-15 (*GWB-15)	GWA-16 (*GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (*PZ-22)	GWC-23
1 -											
a	Is the well visible and accessible?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the well properly identified with the correct well ID?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the well require protection from traffic?	No	No	No	No	No	No	No	No	No	No
d	Is the drainage around the well acceptable? (No standing water, nor is well located in obvious drainage flow path)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: \* Well shown within parentheses is proposed name change as described in 2018 permit submittal; Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

2 - Protective Outer Casing		GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
a	Is the protective casing free from apparent damage?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the casing free of degradation or deterioration?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the casing have a functioning weep hole?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the annular space between casings filled with pea gravel or sand?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the well locked, and is the lock in good working condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

3 - Surface Pad		GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
a	Is the well pad in good condition? (Not cracked or broken)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Does the well pad provide adequate surface seal and stability to the well?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Is the well pad in complete contact with the protective casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the well pad in complete contact with the ground surface? (Not undermined by erosion, animal burrows, and does not move when stepped on)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the pad surface clean? (Not covered by soil or debris)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

4 - Internal Well Casing		GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
a	Does the well cap prevent entry of foreign material into the well?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the casing free of kinks or bends, or any obstruction from foreign objects (such as bailers) ?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the well have a venting hole near the top of casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the survey point clearly marked on the inner casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the depth of the well consistent with the original well log?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
f	Does the PVC casing move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction?	No	No	No	No	No	No	No	No	No	No

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4  
 Staff: T. Goble, A. Schnittker  
 Date: 3/16/2021

5 - Sampling (Groundwater Monitoring Wells Only):

		GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
a	Does the well recharge adequately when purged?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes
b	If dedicated sampling equipment is installed, is it in good condition?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
c	Does the well require redevelopment due to slow recharge or turbidity > 10 NTUs?	No	No	No	No	No	No	No	No	N/A	No

Note: N/A - Not Applicable

6 - Based on your professional judgment, is the well construction / location appropriate to:

	GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
1) achieve the objectives of the facility Groundwater Monitoring Program, and 2) comply with the applicable regulatory requirements?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

7 - Corrective actions completed and Notes:

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

## ANALYTICAL REPORT

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

Laboratory Job ID: 180-125969-1

Client Project/Site: Plant McIntosh Ash Landfill #4

**For:**

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

Attn: Kristen N Jurinko



Authorized for release by:  
9/7/2021 4:40:02 PM

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

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



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[www.eurofinsus.com/Env](http://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 McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Job ID: 180-125969-1**

**Laboratory: Eurofins TestAmerica, Pittsburgh**

## Narrative

**Job Narrative  
180-125969-1**

### Comments

No additional comments.

### Receipt

The samples were received on 8/19/2021 9:15 AM and 8/21/2021 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 4 coolers at receipt time were 2.1° C, 3.6° C, 4.1° C and 4.4° C.

### Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): GWA-2 (180-125969-1). The container labels list a sample id of GWA-1, while the COC lists GWA-2. The id on the COC was used and confirmed correct by the client.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): FB-1 (180-125969-5). The container labels list a sample id of GWA-2, while the COC lists FB-1. The id on the COC was used and confirmed correct by the client.

### GC Semi VOA

Method 300.0: The matrix spike duplicate (MSD) recoveries for the following sample associated with analytical batch 180-370036 were high outside control limits for sulfate: (180-126093-A-1 MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 300.0: The matrix spike duplicate (MSD) recoveries for the following sample associated with analytical batch 180-370036 were high outside control limits for Chloride and Sulfate: (180-126093-A-11 MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

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

### Metals

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

### Field Service / Mobile Lab

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

### General Chemistry

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

# Definitions/Glossary

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

## Qualifiers

### HPLC/IC

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

### Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

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

# Accreditation/Certification Summary

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

## Laboratory: Eurofins TestAmerica, Pittsburgh

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

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

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



# Sample Summary

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-125969-1	GWA-2	Water	08/17/21 10:10	08/19/21 09:15
180-125969-2	GWA-3	Water	08/17/21 11:25	08/19/21 09:15
180-125969-3	GWA-14	Water	08/17/21 12:55	08/19/21 09:15
180-125969-4	GWA-16	Water	08/17/21 14:30	08/19/21 09:15
180-125969-5	FB-1	Water	08/17/21 10:25	08/19/21 09:15
180-125969-6	GWA-13	Water	08/18/21 10:00	08/19/21 09:15
180-125969-7	GWC-1	Water	08/18/21 11:45	08/19/21 09:15
180-125969-8	GWC-12	Water	08/18/21 13:00	08/19/21 09:15
180-125969-9	GWC-10	Water	08/18/21 15:20	08/19/21 09:15
180-125969-10	DUP-1	Water	08/18/21 00:00	08/19/21 09:15
180-125969-11	EB-1	Water	08/18/21 15:35	08/19/21 09:15
180-126093-1	GWC-15	Water	08/19/21 09:55	08/21/21 09:30
180-126093-2	GWC-9	Water	08/19/21 12:25	08/21/21 09:30
180-126093-3	GWC-21	Water	08/19/21 13:55	08/21/21 09:30
180-126093-4	GWC-20	Water	08/19/21 15:15	08/21/21 09:30
180-126093-5	GWC-4A	Water	08/19/21 16:20	08/21/21 09:30
180-126093-6	GWC-5	Water	08/19/21 17:20	08/21/21 09:30
180-126093-7	FB-2	Water	08/19/21 09:10	08/21/21 09:30
180-126093-8	GWC-11	Water	08/18/21 16:32	08/21/21 09:30
180-126093-9	GWC-17	Water	08/19/21 09:53	08/21/21 09:30
180-126093-10	GWC-18	Water	08/19/21 11:26	08/21/21 09:30
180-126093-11	GWC-23	Water	08/19/21 13:25	08/21/21 09:30
180-126093-12	GWC-19	Water	08/19/21 15:49	08/21/21 09:30
180-126093-13	EB-2	Water	08/19/21 11:00	08/21/21 09:30
180-126093-14	DUP-2	Water	08/19/21 00:00	08/21/21 09:30

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

# Method Summary

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
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

#### 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 McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWA-2**  
**Date Collected: 08/17/21 10:10**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-1**  
**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			369870	09/01/21 14:12	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 19:32	RSK	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369539	08/17/21 10:10	FDS	TAL PIT

**Client Sample ID: GWA-3**  
**Date Collected: 08/17/21 11:25**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-2**  
**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			369870	09/01/21 14:28	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 19:36	RSK	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369539	08/17/21 11:25	FDS	TAL PIT

**Client Sample ID: GWA-14**  
**Date Collected: 08/17/21 12:55**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-3**  
**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			369870	09/01/21 14:44	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 20:01	RSK	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369539	08/17/21 12:55	FDS	TAL PIT

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

## Client Sample ID: GWA-16

## Lab Sample ID: 180-125969-4

Date Collected: 08/17/21 14:30

Matrix: Water

Date Received: 08/19/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369870	09/01/21 16:19	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 20:05	RSK	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369539	08/17/21 14:30	FDS	TAL PIT

## Client Sample ID: FB-1

## Lab Sample ID: 180-125969-5

Date Collected: 08/17/21 10:25

Matrix: Water

Date Received: 08/19/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369870	09/01/21 16:35	J1T	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 20:08	RSK	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	368811	08/22/21 17:36	KMM	TAL PIT

## Client Sample ID: GWA-13

## Lab Sample ID: 180-125969-6

Date Collected: 08/18/21 10:00

Matrix: Water

Date Received: 08/19/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369773	08/31/21 20:50	DFE	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: A		1			369103	08/24/21 20:12	RSK	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369008	08/24/21 11:27	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369543	08/18/21 10:00	FDS	TAL PIT

## Client Sample ID: GWC-1

## Lab Sample ID: 180-125969-7

Date Collected: 08/18/21 11:45

Matrix: Water

Date Received: 08/19/21 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHIC2100A		1			369773	08/31/21 21:06	DFE	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-1**  
**Date Collected: 08/18/21 11:45**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-7**  
**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	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:16	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369008	08/24/21 11:27	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			369543	08/18/21 11:45	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-12**  
**Date Collected: 08/18/21 13:00**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369773	08/31/21 20:03	DFE	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:19	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369009	08/24/21 11:36	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			369543	08/18/21 13:00	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-10**  
**Date Collected: 08/18/21 15:20**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1	1 mL	1.0 mL	369773	08/31/21 19:15	DFE	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:30	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369009	08/24/21 11:36	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			369543	08/18/21 15:20	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: DUP-1**  
**Date Collected: 08/18/21 00:00**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-10**  
**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		1			369773	08/31/21 20:18	DFE	TAL PIT
Instrument ID: CHIC2100A										



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: DUP-1**  
**Date Collected: 08/18/21 00:00**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-10**  
**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	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:34	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369009	08/24/21 11:36	KMM	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: EB-1**  
**Date Collected: 08/18/21 15:35**  
**Date Received: 08/19/21 09:15**

**Lab Sample ID: 180-125969-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			369773	08/31/21 20:34	DFE	TAL PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			50 mL	50 mL	368730	08/20/21 12:11	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369103	08/24/21 20:38	RSK	TAL PIT
Instrument ID: A										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369009	08/24/21 11:36	KMM	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-15**  
**Date Collected: 08/19/21 09:55**  
**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-1**  
**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			370036	09/02/21 23:32	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/03/21 19:18	SAB	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 12:42	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369319	08/26/21 12:26	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			369647	08/19/21 09:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-9**  
**Date Collected: 08/19/21 12:25**  
**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-2**  
**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			370036	09/02/21 22:27	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/03/21 20:07	SAB	TAL PIT
Instrument ID: CHICS2100B										

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-9**

**Date Collected: 08/19/21 12:25**

**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-2**

**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	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 12:45	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369319	08/26/21 12:26	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			369647	08/19/21 12:25	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-21**

**Date Collected: 08/19/21 13:55**

**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-3**

**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			370036	09/02/21 22:43	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/03/21 21:13	SAB	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 12:48	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			369647	08/19/21 13:55	FDS	TAL PIT
Instrument ID: NOEQUIP										

**Client Sample ID: GWC-20**

**Date Collected: 08/19/21 15:15**

**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-4**

**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			370036	09/03/21 00:22	J1T	TAL PIT
Instrument ID: CHICS2100B										
Total/NA	Analysis	EPA 300.0 R2.1		1			370252	09/03/21 21:29	SAB	TAL PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			369490	08/27/21 12:51	RJR	TAL PIT
Instrument ID: NEMO										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			369647	08/19/21 15:15	FDS	TAL PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-4A**

**Lab Sample ID: 180-126093-5**

**Date Collected: 08/19/21 16:20**

**Matrix: Water**

**Date Received: 08/21/21 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			370036	09/03/21 00:38	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/03/21 21:45	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 12:54	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369647	08/19/21 16:20	FDS	TAL PIT

**Client Sample ID: GWC-5**

**Lab Sample ID: 180-126093-6**

**Date Collected: 08/19/21 17:20**

**Matrix: Water**

**Date Received: 08/21/21 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			370036	09/03/21 00:54	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/03/21 22:02	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 13:02	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369647	08/19/21 17:20	FDS	TAL PIT

**Client Sample ID: FB-2**

**Lab Sample ID: 180-126093-7**

**Date Collected: 08/19/21 09:10**

**Matrix: Water**

**Date Received: 08/21/21 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			370036	09/03/21 01:11	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/03/21 22:18	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 13:05	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-11**  
**Date Collected: 08/18/21 16:32**  
**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-8**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370036	09/03/21 01:27	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/03/21 22:34	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 13:08	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369142	08/25/21 10:30	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369647	08/18/21 16:32	FDS	TAL PIT

**Client Sample ID: GWC-17**  
**Date Collected: 08/19/21 09:53**  
**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-9**  
**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: CHICS2100B		1			370036	09/03/21 01:43	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/03/21 22:51	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 13:11	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369647	08/19/21 09:53	FDS	TAL PIT

**Client Sample ID: GWC-18**  
**Date Collected: 08/19/21 11:26**  
**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-10**  
**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: CHICS2100B		1			370036	09/03/21 02:00	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/03/21 23:07	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 13:14	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369647	08/19/21 11:26	FDS	TAL PIT

Eurofins TestAmerica, Pittsburgh

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-23**  
**Date Collected: 08/19/21 13:25**  
**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370036	09/03/21 03:21	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/04/21 01:01	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 13:17	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369647	08/19/21 13:25	FDS	TAL PIT

**Client Sample ID: GWC-19**  
**Date Collected: 08/19/21 15:49**  
**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-12**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370036	09/03/21 04:10	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/04/21 01:50	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 13:19	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			369647	08/19/21 15:49	FDS	TAL PIT

**Client Sample ID: EB-2**  
**Date Collected: 08/19/21 11:00**  
**Date Received: 08/21/21 09:30**

**Lab Sample ID: 180-126093-13**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370036	09/03/21 04:27	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/04/21 02:07	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369323	08/26/21 12:35	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 13:22	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: DUP-2**

**Lab Sample ID: 180-126093-14**

**Date Collected: 08/19/21 00:00**

**Matrix: Water**

**Date Received: 08/21/21 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			370036	09/03/21 04:43	J1T	TAL PIT
Total/NA	Analysis	EPA 300.0 R2.1 Instrument ID: CHICS2100B		1			370252	09/04/21 02:23	SAB	TAL PIT
Total Recoverable	Prep	3005A			50 mL	50 mL	369326	08/26/21 12:39	TLP	TAL PIT
Total Recoverable	Analysis	EPA 6020B Instrument ID: NEMO		1			369490	08/27/21 10:49	RJR	TAL PIT
Total/NA	Analysis	SM 2540C Instrument ID: NOEQUIP		1	100 mL	100 mL	369349	08/26/21 15:32	KMM	TAL PIT

**Laboratory References:**

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

**Analyst References:**

Lab: TAL PIT

Batch Type: Prep

TLP = Tara Peterson

Batch Type: Analysis

DFE = David Eppinger

FDS = Sampler Field

J1T = Jianwu Tang

KMM = Kendric Moore

RJR = Ron Rosenbaum

RSK = Robert Kurtz

SAB = Sharon Bacha

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWA-2**

**Lab Sample ID: 180-125969-1**

Date Collected: 08/17/21 10:10

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.4		1.0	0.71	mg/L			09/01/21 14:12	1
Fluoride	0.073	J	0.10	0.026	mg/L			09/01/21 14:12	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 14:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 19:32	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 19:32	1
Barium	0.037		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 19:32	1
Beryllium	0.00018	J	0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 19:32	1
Boron	0.069	J	0.080	0.039	mg/L		08/20/21 12:11	08/24/21 19:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 19:32	1
Calcium	0.40	J	0.50	0.13	mg/L		08/20/21 12:11	08/24/21 19:32	1
Chromium	0.0016	J	0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 19:32	1
Cobalt	0.0015	J	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 19:32	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 19:32	1
Lead	0.00081	J	0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 19:32	1
Nickel	0.00097	J	0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 19:32	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 19:32	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 19:32	1
Thallium	0.00062	J	0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 19:32	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 19:32	1
Zinc	0.0040	J	0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 19:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	48		10	10	mg/L			08/22/21 17:36	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.62				SU			08/17/21 10:10	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWA-3**

**Lab Sample ID: 180-125969-2**

Date Collected: 08/17/21 11:25

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.5		1.0	0.71	mg/L			09/01/21 14:28	1
Fluoride	0.043	J	0.10	0.026	mg/L			09/01/21 14:28	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 14:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 19:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 19:36	1
Barium	0.015		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 19:36	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 19:36	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 19:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 19:36	1
Calcium	0.81		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 19:36	1
Chromium	0.0015	J	0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 19:36	1
Cobalt	0.00039	J	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 19:36	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 19:36	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 19:36	1
Nickel	0.00047	J	0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 19:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 19:36	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 19:36	1
Thallium	0.00015	J	0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 19:36	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 19:36	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 19:36	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	21		10	10	mg/L			08/22/21 17:36	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.82				SU			08/17/21 11:25	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWA-14**

**Lab Sample ID: 180-125969-3**

Date Collected: 08/17/21 12:55

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.3		1.0	0.71	mg/L			09/01/21 14:44	1
Fluoride	0.045	J	0.10	0.026	mg/L			09/01/21 14:44	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 14:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:01	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:01	1
Barium	0.014		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:01	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:01	1
Boron	0.10		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:01	1
Cadmium	0.00036	J	0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:01	1
Calcium	0.47	J	0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:01	1
Cobalt	0.00048	J	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:01	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:01	1
Lead	0.00021	J	0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:01	1
Nickel	0.00061	J	0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:01	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:01	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:01	1
Thallium	0.00060	J	0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:01	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:01	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:01	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	19		10	10	mg/L			08/22/21 17:36	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.12				SU			08/17/21 12:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWA-16**

**Lab Sample ID: 180-125969-4**

Date Collected: 08/17/21 14:30

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.0		1.0	0.71	mg/L			09/01/21 16:19	1
Fluoride	0.072	J	0.10	0.026	mg/L			09/01/21 16:19	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:05	1
Barium	0.024		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:05	1
Boron	0.061	J	0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:05	1
Calcium	0.46	J	0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:05	1
Chromium	0.0019	J	0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:05	1
Cobalt	0.00043	J	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:05	1
Nickel	0.00052	J	0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:05	1
Thallium	0.00025	J	0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:05	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	19		10	10	mg/L			08/22/21 17:36	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.95				SU			08/17/21 14:30	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: FB-1**

**Lab Sample ID: 180-125969-5**

Date Collected: 08/17/21 10:25

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/01/21 16:35	1
<b>Fluoride</b>	<b>0.071</b>	<b>J</b>	0.10	0.026	mg/L			09/01/21 16:35	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 16:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:08	1
Barium	<0.0016		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:08	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:08	1
Calcium	<0.13		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:08	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:08	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:08	1
<b>Thallium</b>	<b>0.00032</b>	<b>J</b>	0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:08	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:08	1
<b>Zinc</b>	<b>0.0033</b>	<b>J</b>	0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/22/21 17:36	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWA-13**

**Lab Sample ID: 180-125969-6**

Date Collected: 08/18/21 10:00

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.1</b>		1.0	0.71	mg/L			08/31/21 20:50	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 20:50	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 20:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:12	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:12	1
<b>Barium</b>	<b>0.018</b>		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:12	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:12	1
<b>Boron</b>	<b>0.044</b>	<b>J</b>	0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:12	1
<b>Calcium</b>	<b>0.51</b>		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:12	1
<b>Cobalt</b>	<b>0.00058</b>	<b>J</b>	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:12	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:12	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:12	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:12	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:12	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:12	1
<b>Thallium</b>	<b>0.00016</b>	<b>J</b>	0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:12	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:12	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:12	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>21</b>		10	10	mg/L			08/24/21 11:27	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.93</b>				SU			08/18/21 10:00	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-1**

**Lab Sample ID: 180-125969-7**

Date Collected: 08/18/21 11:45

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>5.3</b>		1.0	0.71	mg/L			08/31/21 21:06	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 21:06	1
<b>Sulfate</b>	<b>1.2</b>		1.0	0.76	mg/L			08/31/21 21:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Arsenic</b>	<b>0.00040</b>	<b>J</b>	0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Barium</b>	<b>0.034</b>		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Beryllium</b>	<b>0.00018</b>	<b>J</b>	0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Boron</b>	<b>0.046</b>	<b>J</b>	0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Calcium</b>	<b>1.1</b>		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Chromium</b>	<b>0.0018</b>	<b>J</b>	0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Cobalt</b>	<b>0.0018</b>	<b>J</b>	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:16	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Nickel</b>	<b>0.0014</b>		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:16	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:16	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Vanadium</b>	<b>0.0011</b>		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:16	1
<b>Zinc</b>	<b>0.0035</b>	<b>J</b>	0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:16	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>33</b>		10	10	mg/L			08/24/21 11:27	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.89</b>				SU			08/18/21 11:45	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-12**

**Lab Sample ID: 180-125969-8**

Date Collected: 08/18/21 13:00

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.9</b>		1.0	0.71	mg/L			08/31/21 20:03	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 20:03	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 20:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:19	1
<b>Barium</b>	<b>0.010</b>		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:19	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:19	1
<b>Calcium</b>	<b>0.75</b>		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:19	1
<b>Chromium</b>	<b>0.0037</b>		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:19	1
<b>Cobalt</b>	<b>0.00065</b>	<b>J</b>	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:19	1
<b>Copper</b>	<b>0.00096</b>	<b>J</b>	0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:19	1
<b>Nickel</b>	<b>0.00097</b>	<b>J</b>	0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:19	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:19	1
<b>Zinc</b>	<b>0.0081</b>		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>20</b>		10	10	mg/L			08/24/21 11:36	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.01</b>				SU			08/18/21 13:00	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-10**

**Lab Sample ID: 180-125969-9**

Date Collected: 08/18/21 15:20

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.8		1.0	0.71	mg/L			08/31/21 19:15	1
Fluoride	0.081	J	0.10	0.026	mg/L			08/31/21 19:15	1
Sulfate	3.0		1.0	0.76	mg/L			08/31/21 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:30	1
Arsenic	0.00045	J	0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:30	1
Barium	0.018		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:30	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:30	1
Boron	0.069	J	0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:30	1
Calcium	23		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:30	1
Chromium	0.0026		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:30	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:30	1
Vanadium	0.0015		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			08/24/21 11:36	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.32				SU			08/18/21 15:20	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: DUP-1**

**Lab Sample ID: 180-125969-10**

Date Collected: 08/18/21 00:00

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>12</b>		1.0	0.71	mg/L			08/31/21 20:18	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 20:18	1
<b>Sulfate</b>	<b>8.1</b>		1.0	0.76	mg/L			08/31/21 20:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:34	1
<b>Barium</b>	<b>0.089</b>		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:34	1
<b>Beryllium</b>	<b>0.00028</b>	<b>J</b>	0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:34	1
<b>Boron</b>	<b>0.066</b>	<b>J</b>	0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:34	1
<b>Calcium</b>	<b>3.9</b>		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:34	1
<b>Cobalt</b>	<b>0.0016</b>	<b>J</b>	0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:34	1
<b>Nickel</b>	<b>0.0018</b>		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:34	1
<b>Vanadium</b>	<b>0.0011</b>		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:34	1
<b>Zinc</b>	<b>0.075</b>		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>79</b>		10	10	mg/L			08/24/21 11:36	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: EB-1**

**Lab Sample ID: 180-125969-11**

Date Collected: 08/18/21 15:35

Matrix: Water

Date Received: 08/19/21 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			08/31/21 20:34	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 20:34	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 20:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 20:38	1
Barium	<0.0016		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 20:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 20:38	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 20:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 20:38	1
Calcium	<0.13		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 20:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 20:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 20:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 20:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 20:38	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 20:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 20:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 20:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 20:38	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 20:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 20:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/24/21 11:36	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-15**

**Lab Sample ID: 180-126093-1**

Date Collected: 08/19/21 09:55

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.3		1.0	0.71	mg/L			09/03/21 19:18	1
Fluoride	0.035	J	0.10	0.026	mg/L			09/03/21 19:18	1
Sulfate	0.80	J F1	1.0	0.76	mg/L			09/02/21 23:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 12:42	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 12:42	1
Barium	0.022		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 12:42	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 12:42	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 12:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 12:42	1
Calcium	0.49	J	0.50	0.13	mg/L		08/26/21 12:35	08/27/21 12:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 12:42	1
Cobalt	0.00040	J	0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 12:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 12:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 12:42	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 12:42	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 12:42	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 12:42	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 12:42	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 12:42	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 12:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	21		10	10	mg/L			08/26/21 12:26	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.92				SU			08/19/21 09:55	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-9**

**Lab Sample ID: 180-126093-2**

Date Collected: 08/19/21 12:25

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.9		1.0	0.71	mg/L			09/03/21 20:07	1
Fluoride	0.064	J	0.10	0.026	mg/L			09/03/21 20:07	1
Sulfate	<0.76		1.0	0.76	mg/L			09/02/21 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 12:45	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 12:45	1
Barium	0.024		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 12:45	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 12:45	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 12:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 12:45	1
Calcium	0.67		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 12:45	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 12:45	1
Cobalt	0.00063	J	0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 12:45	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 12:45	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 12:45	1
Nickel	0.00038	J	0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 12:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 12:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 12:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 12:45	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 12:45	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 12:45	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	37		10	10	mg/L			08/26/21 12:26	1

## Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.89				SU			08/19/21 12:25	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-21**

**Lab Sample ID: 180-126093-3**

Date Collected: 08/19/21 13:55

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>6.7</b>		1.0	0.71	mg/L			09/03/21 21:13	1
Fluoride	<0.026		0.10	0.026	mg/L			09/03/21 21:13	1
<b>Sulfate</b>	<b>0.79</b>	<b>J</b>	1.0	0.76	mg/L			09/02/21 22:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 12:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 12:48	1
<b>Barium</b>	<b>0.018</b>		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 12:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 12:48	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 12:48	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 12:48	1
<b>Calcium</b>	<b>1.2</b>		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 12:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 12:48	1
<b>Cobalt</b>	<b>0.00077</b>	<b>J</b>	0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 12:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 12:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 12:48	1
<b>Nickel</b>	<b>0.00067</b>	<b>J</b>	0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 12:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 12:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 12:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 12:48	1
<b>Vanadium</b>	<b>0.0010</b>		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 12:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 12:48	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>32</b>		10	10	mg/L			08/26/21 15:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.81</b>				SU			08/19/21 13:55	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-20**

**Lab Sample ID: 180-126093-4**

Date Collected: 08/19/21 15:15

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.8		1.0	0.71	mg/L			09/03/21 21:29	1
Fluoride	0.044	J	0.10	0.026	mg/L			09/03/21 21:29	1
Sulfate	1.3		1.0	0.76	mg/L			09/03/21 00:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 12:51	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 12:51	1
Barium	0.017		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 12:51	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 12:51	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 12:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 12:51	1
Calcium	1.3		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 12:51	1
Chromium	0.0018	J	0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 12:51	1
Cobalt	0.00088	J	0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 12:51	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 12:51	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 12:51	1
Nickel	0.00092	J	0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 12:51	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 12:51	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 12:51	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 12:51	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 12:51	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 12:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	40		10	10	mg/L			08/26/21 15:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.91				SU			08/19/21 15:15	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-4A**

**Lab Sample ID: 180-126093-5**

Date Collected: 08/19/21 16:20

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.5</b>		1.0	0.71	mg/L			09/03/21 21:45	1
Fluoride	<0.026		0.10	0.026	mg/L			09/03/21 21:45	1
<b>Sulfate</b>	<b>5.4</b>		1.0	0.76	mg/L			09/03/21 00:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 12:54	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 12:54	1
<b>Barium</b>	<b>0.013</b>		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 12:54	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 12:54	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 12:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 12:54	1
<b>Calcium</b>	<b>0.30</b>	<b>J</b>	0.50	0.13	mg/L		08/26/21 12:35	08/27/21 12:54	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 12:54	1
<b>Cobalt</b>	<b>0.0013</b>	<b>J</b>	0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 12:54	1
<b>Copper</b>	<b>0.00087</b>	<b>J</b>	0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 12:54	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 12:54	1
<b>Nickel</b>	<b>0.00065</b>	<b>J</b>	0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 12:54	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 12:54	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 12:54	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 12:54	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 12:54	1
<b>Zinc</b>	<b>0.0040</b>	<b>J</b>	0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 12:54	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>26</b>		10	10	mg/L			08/26/21 15:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>4.86</b>				SU			08/19/21 16:20	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-5**

**Lab Sample ID: 180-126093-6**

Date Collected: 08/19/21 17:20

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.3		1.0	0.71	mg/L			09/03/21 22:02	1
Fluoride	0.035	J	0.10	0.026	mg/L			09/03/21 22:02	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 00:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 13:02	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 13:02	1
Barium	0.038		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 13:02	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 13:02	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 13:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 13:02	1
Calcium	2.4		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 13:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 13:02	1
Cobalt	0.00079	J	0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 13:02	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 13:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 13:02	1
Nickel	0.00043	J	0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 13:02	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 13:02	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 13:02	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 13:02	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 13:02	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 13:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	20		10	10	mg/L			08/26/21 15:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.23				SU			08/19/21 17:20	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: FB-2**

**Lab Sample ID: 180-126093-7**

Date Collected: 08/19/21 09:10

Matrix: Water

Date Received: 08/21/21 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			09/03/21 22:18	1
<b>Fluoride</b>	<b>0.037</b>	<b>J</b>	0.10	0.026	mg/L			09/03/21 22:18	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 13:05	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 13:05	1
Barium	<0.0016		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 13:05	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 13:05	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 13:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 13:05	1
Calcium	<0.13		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 13:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 13:05	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 13:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 13:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 13:05	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 13:05	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 13:05	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 13:05	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 13:05	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 13:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 13:05	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/26/21 15:32	1



# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-11**

**Lab Sample ID: 180-126093-8**

Date Collected: 08/18/21 16:32

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.2		1.0	0.71	mg/L			09/03/21 22:34	1
Fluoride	0.35		0.10	0.026	mg/L			09/03/21 22:34	1
Sulfate	4.1		1.0	0.76	mg/L			09/03/21 01:27	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		08/26/21 12:35	08/27/21 13:08	1
Arsenic	0.0013		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 13:08	1
Barium	0.011		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 13:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 13:08	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 13:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 13:08	1
Calcium	10		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 13:08	1
Chromium	0.0040		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 13:08	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 13:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 13:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 13:08	1
Nickel	0.00034	J	0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 13:08	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 13:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 13:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 13:08	1
Vanadium	0.0018		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 13:08	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 13:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	97		10	10	mg/L			08/25/21 10:30	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.54				SU			08/18/21 16:32	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-17**

**Lab Sample ID: 180-126093-9**

Date Collected: 08/19/21 09:53

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.8		1.0	0.71	mg/L			09/03/21 22:51	1
Fluoride	0.15		0.10	0.026	mg/L			09/03/21 22:51	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 01:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 13:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 13:11	1
Barium	0.017		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 13:11	1
Beryllium	0.00057	J	0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 13:11	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 13:11	1
Cadmium	0.00057	J	0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 13:11	1
Calcium	2.2		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 13:11	1
Chromium	0.0027		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 13:11	1
Cobalt	0.00023	J	0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 13:11	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 13:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 13:11	1
Nickel	0.0017		0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 13:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 13:11	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 13:11	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 13:11	1
Vanadium	0.0013		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 13:11	1
Zinc	0.013		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 13:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	32		10	10	mg/L			08/26/21 15:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.29				SU			08/19/21 09:53	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-18**

**Lab Sample ID: 180-126093-10**

Date Collected: 08/19/21 11:26

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.1		1.0	0.71	mg/L			09/03/21 23:07	1
Fluoride	0.62		0.10	0.026	mg/L			09/03/21 23:07	1
Sulfate	3.5		1.0	0.76	mg/L			09/03/21 02:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 13:14	1
Arsenic	0.00059	J	0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 13:14	1
Barium	0.013		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 13:14	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 13:14	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 13:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 13:14	1
Calcium	9.3		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 13:14	1
Chromium	0.0025		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 13:14	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 13:14	1
Copper	0.00089	J	0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 13:14	1
Lead	0.00037	J	0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 13:14	1
Nickel	0.0011		0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 13:14	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 13:14	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 13:14	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 13:14	1
Vanadium	0.0030		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 13:14	1
Zinc	0.015		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 13:14	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	71		10	10	mg/L			08/26/21 15:32	1

### Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.17				SU			08/19/21 11:26	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-23**

**Lab Sample ID: 180-126093-11**

Date Collected: 08/19/21 13:25

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>6.0</b>	<b>F1</b>	1.0	0.71	mg/L			09/03/21 03:21	1
Fluoride	<0.026		0.10	0.026	mg/L			09/04/21 01:01	1
<b>Sulfate</b>	<b>1.9</b>		1.0	0.76	mg/L			09/04/21 01:01	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		08/26/21 12:35	08/27/21 13:17	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 13:17	1
<b>Barium</b>	<b>0.019</b>		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 13:17	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 13:17	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 13:17	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 13:17	1
<b>Calcium</b>	<b>1.1</b>		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 13:17	1
<b>Chromium</b>	<b>0.0023</b>		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 13:17	1
<b>Cobalt</b>	<b>0.0025</b>		0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 13:17	1
<b>Copper</b>	<b>0.0013</b>	<b>J</b>	0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 13:17	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 13:17	1
<b>Nickel</b>	<b>0.0013</b>		0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 13:17	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 13:17	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 13:17	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 13:17	1
<b>Vanadium</b>	<b>0.0011</b>		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 13:17	1
<b>Zinc</b>	<b>0.0081</b>		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 13:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>32</b>		10	10	mg/L			08/26/21 15:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>pH</b>	<b>5.16</b>				SU			08/19/21 13:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: GWC-19**

**Lab Sample ID: 180-126093-12**

Date Collected: 08/19/21 15:49

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.7		1.0	0.71	mg/L			09/03/21 04:10	1
Fluoride	0.11		0.10	0.026	mg/L			09/04/21 01:50	1
Sulfate	2.5		1.0	0.76	mg/L			09/04/21 01:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 13:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 13:19	1
Barium	0.0095	J	0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 13:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 13:19	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 13:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 13:19	1
Calcium	6.9		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 13:19	1
Chromium	0.0015	J	0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 13:19	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 13:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 13:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 13:19	1
Nickel	0.0012		0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 13:19	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 13:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 13:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 13:19	1
Vanadium	0.0015		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 13:19	1
Zinc	0.017		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 13:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	57		10	10	mg/L			08/26/21 15:32	1

**Method: Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.69				SU			08/19/21 15:49	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: EB-2**

**Lab Sample ID: 180-126093-13**

Date Collected: 08/19/21 11:00

Matrix: Water

Date Received: 08/21/21 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			09/03/21 04:27	1
Fluoride	<0.026		0.10	0.026	mg/L			09/04/21 02:07	1
Sulfate	<0.76		1.0	0.76	mg/L			09/04/21 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 13:22	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 13:22	1
Barium	<0.0016		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 13:22	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 13:22	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 13:22	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 13:22	1
Calcium	<0.13		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 13:22	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 13:22	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 13:22	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 13:22	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 13:22	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 13:22	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 13:22	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 13:22	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 13:22	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 13:22	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 13:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/26/21 15:32	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

**Client Sample ID: DUP-2**

**Lab Sample ID: 180-126093-14**

Date Collected: 08/19/21 00:00

Matrix: Water

Date Received: 08/21/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.7		1.0	0.71	mg/L			09/03/21 04:43	1
Fluoride	0.12		0.10	0.026	mg/L			09/04/21 02:23	1
Sulfate	2.9		1.0	0.76	mg/L			09/04/21 02:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:39	08/27/21 10:49	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 10:49	1
Barium	0.011		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 10:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 10:49	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 10:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 10:49	1
Calcium	6.9		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 10:49	1
Chromium	0.0015	J	0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 10:49	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 10:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:39	08/27/21 10:49	1
Lead	0.00017	J	0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 10:49	1
Nickel	0.0013		0.0010	0.00034	mg/L		08/26/21 12:39	08/27/21 10:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 10:49	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:39	08/27/21 10:49	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 10:49	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:39	08/27/21 10:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:39	08/27/21 10:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	55		10	10	mg/L			08/26/21 15:32	1

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: MB 180-369773/7**  
**Matrix: Water**  
**Analysis Batch: 369773**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			08/31/21 13:01	1
Fluoride	<0.026		0.10	0.026	mg/L			08/31/21 13:01	1
Sulfate	<0.76		1.0	0.76	mg/L			08/31/21 13:01	1

**Lab Sample ID: LCS 180-369773/6**  
**Matrix: Water**  
**Analysis Batch: 369773**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	51.2		mg/L		102	90 - 110
Fluoride	2.50	2.65		mg/L		106	90 - 110
Sulfate	50.0	50.3		mg/L		101	90 - 110

**Lab Sample ID: 180-125969-9 MS**  
**Matrix: Water**  
**Analysis Batch: 369773**

**Client Sample ID: GWC-10**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.8		50.0	57.6		mg/L		102	90 - 110
Fluoride	0.081	J	2.50	2.63		mg/L		102	90 - 110
Sulfate	3.0		50.0	52.3		mg/L		99	90 - 110

**Lab Sample ID: 180-125969-9 MSD**  
**Matrix: Water**  
**Analysis Batch: 369773**

**Client Sample ID: GWC-10**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.8		50.0	58.0		mg/L		102	90 - 110	1	20
Fluoride	0.081	J	2.50	2.67		mg/L		103	90 - 110	1	20
Sulfate	3.0		50.0	53.5		mg/L		101	90 - 110	2	20

**Lab Sample ID: MB 180-369870/7**  
**Matrix: Water**  
**Analysis Batch: 369870**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/01/21 09:24	1
Fluoride	<0.026		0.10	0.026	mg/L			09/01/21 09:24	1
Sulfate	<0.76		1.0	0.76	mg/L			09/01/21 09:24	1

**Lab Sample ID: LCS 180-369870/6**  
**Matrix: Water**  
**Analysis Batch: 369870**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.6		mg/L		99	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110
Sulfate	50.0	48.7		mg/L		97	90 - 110



# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: MB 180-370036/19**  
**Matrix: Water**  
**Analysis Batch: 370036**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.76		1.0	0.76	mg/L			09/02/21 13:19	1

**Lab Sample ID: MB 180-370036/64**  
**Matrix: Water**  
**Analysis Batch: 370036**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/03/21 03:05	1
Fluoride	<0.026		0.10	0.026	mg/L			09/03/21 03:05	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 03:05	1

**Lab Sample ID: LCS 180-370036/18**  
**Matrix: Water**  
**Analysis Batch: 370036**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	49.9		mg/L		100	90 - 110

**Lab Sample ID: LCS 180-370036/63**  
**Matrix: Water**  
**Analysis Batch: 370036**

**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	54.3		mg/L		109	90 - 110
Fluoride	2.50	2.58		mg/L		103	90 - 110
Sulfate	50.0	52.4		mg/L		105	90 - 110

**Lab Sample ID: 180-126093-1 MS**  
**Matrix: Water**  
**Analysis Batch: 370036**

**Client Sample ID: GWC-15**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	0.80	J F1	50.0	47.1		mg/L		93	90 - 110

**Lab Sample ID: 180-126093-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 370036**

**Client Sample ID: GWC-15**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	0.80	J F1	50.0	56.5	F1	mg/L		111	90 - 110	18	20

**Lab Sample ID: 180-126093-11 MS**  
**Matrix: Water**  
**Analysis Batch: 370036**

**Client Sample ID: GWC-23**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.0	F1	50.0	52.7		mg/L		93	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: 180-126093-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 370036**

**Client Sample ID: GWC-23**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.0	F1	50.0	62.2	F1	mg/L		112	90 - 110	16	20

**Lab Sample ID: MB 180-370252/42**  
**Matrix: Water**  
**Analysis Batch: 370252**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/04/21 00:45	1
Fluoride	<0.026		0.10	0.026	mg/L			09/04/21 00:45	1
Sulfate	<0.76		1.0	0.76	mg/L			09/04/21 00:45	1

**Lab Sample ID: MB 180-370252/6**  
**Matrix: Water**  
**Analysis Batch: 370252**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			09/03/21 13:48	1
Fluoride	<0.026		0.10	0.026	mg/L			09/03/21 13:48	1
Sulfate	<0.76		1.0	0.76	mg/L			09/03/21 13:48	1

**Lab Sample ID: LCS 180-370252/41**  
**Matrix: Water**  
**Analysis Batch: 370252**

**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	53.3		mg/L		107	90 - 110
Fluoride	2.50	2.62		mg/L		105	90 - 110
Sulfate	50.0	53.0		mg/L		106	90 - 110

**Lab Sample ID: LCS 180-370252/5**  
**Matrix: Water**  
**Analysis Batch: 370252**

**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	52.1		mg/L		104	90 - 110
Fluoride	2.50	2.56		mg/L		102	90 - 110
Sulfate	50.0	51.5		mg/L		103	90 - 110

**Lab Sample ID: 180-126093-1 MS**  
**Matrix: Water**  
**Analysis Batch: 370252**

**Client Sample ID: GWC-15**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.3		50.0	52.9		mg/L		97	90 - 110
Fluoride	0.035	J	2.50	2.48		mg/L		98	90 - 110

# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: 180-126093-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 370252**

**Client Sample ID: GWC-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	4.3		50.0	58.2		mg/L		108	90 - 110	9	20
Fluoride	0.035	J	2.50	2.68		mg/L		106	90 - 110	8	20

**Lab Sample ID: 180-126093-11 MS**  
**Matrix: Water**  
**Analysis Batch: 370252**

**Client Sample ID: GWC-23**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	<0.026		2.50	2.51		mg/L		100	90 - 110		
Sulfate	1.9		50.0	51.3		mg/L		99	90 - 110		

**Lab Sample ID: 180-126093-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 370252**

**Client Sample ID: GWC-23**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	<0.026		2.50	2.35		mg/L		94	90 - 110	7	20
Sulfate	1.9		50.0	48.7		mg/L		94	90 - 110	5	20

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

**Lab Sample ID: MB 180-368730/1-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/20/21 12:11	08/24/21 19:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/20/21 12:11	08/24/21 19:25	1
Barium	<0.0016		0.010	0.0016	mg/L		08/20/21 12:11	08/24/21 19:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Boron	<0.039		0.080	0.039	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/20/21 12:11	08/24/21 19:25	1
Calcium	<0.13		0.50	0.13	mg/L		08/20/21 12:11	08/24/21 19:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/20/21 12:11	08/24/21 19:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/20/21 12:11	08/24/21 19:25	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/20/21 12:11	08/24/21 19:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/20/21 12:11	08/24/21 19:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/20/21 12:11	08/24/21 19:25	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/20/21 12:11	08/24/21 19:25	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/20/21 12:11	08/24/21 19:25	1

**Lab Sample ID: LCS 180-368730/2-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.250	0.254		mg/L		102	80 - 120		

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: LCS 180-368730/2-A**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.01		mg/L		101	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.506		mg/L		101	80 - 120
Boron	1.25	1.32		mg/L		105	80 - 120
Cadmium	0.500	0.535		mg/L		107	80 - 120
Calcium	25.0	27.6		mg/L		110	80 - 120
Chromium	0.500	0.514		mg/L		103	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Copper	0.500	0.527		mg/L		105	80 - 120
Lead	0.500	0.528		mg/L		106	80 - 120
Nickel	0.500	0.515		mg/L		103	80 - 120
Selenium	1.00	1.06		mg/L		106	80 - 120
Silver	0.250	0.259		mg/L		104	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	0.500	0.515		mg/L		103	80 - 120
Zinc	0.250	0.259		mg/L		104	80 - 120

**Lab Sample ID: 180-125969-2 MS**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: GWA-3**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.250		mg/L		100	75 - 125
Arsenic	<0.00031		1.00	1.02		mg/L		102	75 - 125
Barium	0.015		1.00	1.08		mg/L		106	75 - 125
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125
Boron	<0.039		1.25	1.31		mg/L		105	75 - 125
Cadmium	<0.00022		0.500	0.541		mg/L		108	75 - 125
Calcium	0.81		25.0	28.5		mg/L		111	75 - 125
Chromium	0.0015	J	0.500	0.519		mg/L		103	75 - 125
Cobalt	0.00039	J	0.500	0.513		mg/L		103	75 - 125
Copper	<0.00063		0.500	0.530		mg/L		106	75 - 125
Lead	<0.00013		0.500	0.531		mg/L		106	75 - 125
Nickel	0.00047	J	0.500	0.518		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.03		mg/L		103	75 - 125
Silver	<0.00018		0.250	0.260		mg/L		104	75 - 125
Thallium	0.00015	J	1.00	1.06		mg/L		106	75 - 125
Vanadium	<0.00099		0.500	0.518		mg/L		104	75 - 125
Zinc	<0.0032		0.250	0.263		mg/L		105	75 - 125

**Lab Sample ID: 180-125969-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: GWA-3**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.252		mg/L		101	75 - 125	1	20
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125	2	20
Barium	0.015		1.00	1.07		mg/L		105	75 - 125	1	20
Beryllium	<0.00018		0.500	0.514		mg/L		103	75 - 125	0	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: 180-125969-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 369103**

**Client Sample ID: GWA-3**  
**Prep Type: Total Recoverable**  
**Prep Batch: 368730**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	<0.039		1.25	1.38		mg/L		110	75 - 125	5	20
Cadmium	<0.00022		0.500	0.535		mg/L		107	75 - 125	1	20
Calcium	0.81		25.0	28.6		mg/L		111	75 - 125	0	20
Chromium	0.0015	J	0.500	0.527		mg/L		105	75 - 125	1	20
Cobalt	0.00039	J	0.500	0.524		mg/L		105	75 - 125	2	20
Copper	<0.00063		0.500	0.534		mg/L		107	75 - 125	1	20
Lead	<0.00013		0.500	0.538		mg/L		108	75 - 125	1	20
Nickel	0.00047	J	0.500	0.524		mg/L		105	75 - 125	1	20
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125	1	20
Silver	<0.00018		0.250	0.261		mg/L		104	75 - 125	0	20
Thallium	0.00015	J	1.00	1.08		mg/L		108	75 - 125	1	20
Vanadium	<0.00099		0.500	0.526		mg/L		105	75 - 125	2	20
Zinc	<0.0032		0.250	0.266		mg/L		106	75 - 125	1	20

**Lab Sample ID: MB 180-369323/1-A**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369323**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:35	08/27/21 12:00	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:35	08/27/21 12:00	1
Barium	<0.0016		0.010	0.0016	mg/L		08/26/21 12:35	08/27/21 12:00	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:35	08/27/21 12:00	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:35	08/27/21 12:00	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:35	08/27/21 12:00	1
Calcium	<0.13		0.50	0.13	mg/L		08/26/21 12:35	08/27/21 12:00	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:35	08/27/21 12:00	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:35	08/27/21 12:00	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:35	08/27/21 12:00	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:35	08/27/21 12:00	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/26/21 12:35	08/27/21 12:00	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:35	08/27/21 12:00	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:35	08/27/21 12:00	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:35	08/27/21 12:00	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:35	08/27/21 12:00	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:35	08/27/21 12:00	1

**Lab Sample ID: LCS 180-369323/2-A**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369323**

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	0.985		mg/L		98	80 - 120
Beryllium	0.500	0.509		mg/L		102	80 - 120
Boron	1.25	1.34		mg/L		107	80 - 120
Cadmium	0.500	0.512		mg/L		102	80 - 120
Calcium	25.0	26.6		mg/L		106	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: LCS 180-369323/2-A**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369323**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.500	0.493		mg/L		99	80 - 120
Cobalt	0.500	0.518		mg/L		104	80 - 120
Copper	0.500	0.494		mg/L		99	80 - 120
Lead	0.500	0.514		mg/L		103	80 - 120
Nickel	0.500	0.513		mg/L		103	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.250	0.258		mg/L		103	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120
Vanadium	0.500	0.504		mg/L		101	80 - 120
Zinc	0.250	0.250		mg/L		100	80 - 120

**Lab Sample ID: MB 180-369326/1-A**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369326**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		08/26/21 12:39	08/27/21 10:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		08/26/21 12:39	08/27/21 10:35	1
Barium	<0.0016		0.010	0.0016	mg/L		08/26/21 12:39	08/27/21 10:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		08/26/21 12:39	08/27/21 10:35	1
Boron	<0.039		0.080	0.039	mg/L		08/26/21 12:39	08/27/21 10:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		08/26/21 12:39	08/27/21 10:35	1
Calcium	<0.13		0.50	0.13	mg/L		08/26/21 12:39	08/27/21 10:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		08/26/21 12:39	08/27/21 10:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		08/26/21 12:39	08/27/21 10:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		08/26/21 12:39	08/27/21 10:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		08/26/21 12:39	08/27/21 10:35	1
Nickel	<0.00034		0.0010	0.00034	mg/L		08/26/21 12:39	08/27/21 10:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		08/26/21 12:39	08/27/21 10:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		08/26/21 12:39	08/27/21 10:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		08/26/21 12:39	08/27/21 10:35	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		08/26/21 12:39	08/27/21 10:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		08/26/21 12:39	08/27/21 10:35	1

**Lab Sample ID: LCS 180-369326/2-A**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369326**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.246		mg/L		98	80 - 120
Arsenic	1.00	1.06		mg/L		106	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.512		mg/L		102	80 - 120
Boron	1.25	1.32		mg/L		106	80 - 120
Cadmium	0.500	0.525		mg/L		105	80 - 120
Calcium	25.0	26.8		mg/L		107	80 - 120
Chromium	0.500	0.495		mg/L		99	80 - 120
Cobalt	0.500	0.521		mg/L		104	80 - 120
Copper	0.500	0.503		mg/L		101	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: LCS 180-369326/2-A**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369326**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.525		mg/L		105	80 - 120
Nickel	0.500	0.518		mg/L		104	80 - 120
Selenium	1.00	1.02		mg/L		102	80 - 120
Silver	0.250	0.257		mg/L		103	80 - 120
Thallium	1.00	1.05		mg/L		105	80 - 120
Vanadium	0.500	0.503		mg/L		101	80 - 120
Zinc	0.250	0.253		mg/L		101	80 - 120

**Lab Sample ID: 180-126093-14 MS**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: DUP-2**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369326**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.243		mg/L		97	75 - 125
Arsenic	<0.00031		1.00	1.04		mg/L		104	75 - 125
Barium	0.011		1.00	1.00		mg/L		99	75 - 125
Beryllium	<0.00018		0.500	0.517		mg/L		103	75 - 125
Boron	<0.039		1.25	1.36		mg/L		109	75 - 125
Cadmium	<0.00022		0.500	0.521		mg/L		104	75 - 125
Calcium	6.9		25.0	33.5		mg/L		107	75 - 125
Chromium	0.0015	J	0.500	0.495		mg/L		99	75 - 125
Cobalt	<0.00013		0.500	0.513		mg/L		103	75 - 125
Copper	<0.00063		0.500	0.493		mg/L		99	75 - 125
Lead	0.00017	J	0.500	0.531		mg/L		106	75 - 125
Nickel	0.0013		0.500	0.515		mg/L		103	75 - 125
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125
Silver	<0.00018		0.250	0.253		mg/L		101	75 - 125
Thallium	<0.00015		1.00	1.05		mg/L		105	75 - 125
Vanadium	<0.00099		0.500	0.504		mg/L		101	75 - 125
Zinc	<0.0032		0.250	0.246		mg/L		98	75 - 125

**Lab Sample ID: 180-126093-14 MSD**  
**Matrix: Water**  
**Analysis Batch: 369490**

**Client Sample ID: DUP-2**  
**Prep Type: Total Recoverable**  
**Prep Batch: 369326**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Antimony	<0.00038		0.250	0.239		mg/L		96	75 - 125	2	20
Arsenic	<0.00031		1.00	1.03		mg/L		103	75 - 125	1	20
Barium	0.011		1.00	1.00		mg/L		99	75 - 125	0	20
Beryllium	<0.00018		0.500	0.513		mg/L		103	75 - 125	1	20
Boron	<0.039		1.25	1.35		mg/L		108	75 - 125	1	20
Cadmium	<0.00022		0.500	0.513		mg/L		103	75 - 125	1	20
Calcium	6.9		25.0	33.1		mg/L		105	75 - 125	1	20
Chromium	0.0015	J	0.500	0.482		mg/L		96	75 - 125	3	20
Cobalt	<0.00013		0.500	0.518		mg/L		104	75 - 125	1	20
Copper	<0.00063		0.500	0.493		mg/L		99	75 - 125	0	20
Lead	0.00017	J	0.500	0.513		mg/L		103	75 - 125	3	20
Nickel	0.0013		0.500	0.508		mg/L		101	75 - 125	1	20
Selenium	<0.0015		1.00	1.01		mg/L		101	75 - 125	0	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

Lab Sample ID: 180-126093-14 MSD  
Matrix: Water  
Analysis Batch: 369490

Client Sample ID: DUP-2  
Prep Type: Total Recoverable  
Prep Batch: 369326

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	<0.00018		0.250	0.253		mg/L		101	75 - 125	0	20
Thallium	<0.00015		1.00	1.04		mg/L		104	75 - 125	1	20
Vanadium	<0.00099		0.500	0.482		mg/L		96	75 - 125	4	20
Zinc	<0.0032		0.250	0.243		mg/L		97	75 - 125	1	20

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

Lab Sample ID: MB 180-368811/2  
Matrix: Water  
Analysis Batch: 368811

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/22/21 17:36	1

Lab Sample ID: LCS 180-368811/1  
Matrix: Water  
Analysis Batch: 368811

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	704		mg/L		103	80 - 120

Lab Sample ID: MB 180-369008/2  
Matrix: Water  
Analysis Batch: 369008

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/24/21 11:27	1

Lab Sample ID: LCS 180-369008/1  
Matrix: Water  
Analysis Batch: 369008

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	694		mg/L		101	80 - 120

Lab Sample ID: MB 180-369009/2  
Matrix: Water  
Analysis Batch: 369009

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/24/21 11:36	1

Lab Sample ID: LCS 180-369009/1  
Matrix: Water  
Analysis Batch: 369009

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	640		mg/L		93	80 - 120

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

**Lab Sample ID: 180-125969-8 DU**  
**Matrix: Water**  
**Analysis Batch: 369009**

**Client Sample ID: GWC-12**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	20		21.0		mg/L		5	10

**Lab Sample ID: MB 180-369142/2**  
**Matrix: Water**  
**Analysis Batch: 369142**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/25/21 10:30	1

**Lab Sample ID: LCS 180-369142/1**  
**Matrix: Water**  
**Analysis Batch: 369142**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	708		mg/L		103	80 - 120

**Lab Sample ID: MB 180-369319/2**  
**Matrix: Water**  
**Analysis Batch: 369319**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/26/21 12:26	1

**Lab Sample ID: LCS 180-369319/1**  
**Matrix: Water**  
**Analysis Batch: 369319**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	716		mg/L		105	80 - 120

**Lab Sample ID: MB 180-369349/2**  
**Matrix: Water**  
**Analysis Batch: 369349**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			08/26/21 15:32	1

**Lab Sample ID: LCS 180-369349/1**  
**Matrix: Water**  
**Analysis Batch: 369349**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	685	684		mg/L		100	80 - 120

**Lab Sample ID: 180-126093-3 DU**  
**Matrix: Water**  
**Analysis Batch: 369349**

**Client Sample ID: GWC-21**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	32		35.0		mg/L		9	10

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

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

Lab Sample ID: 180-126093-14 DU  
 Matrix: Water  
 Analysis Batch: 369349

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	55		54.0		mg/L		2	10

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

# QC Association Summary

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

## HPLC/IC

### Analysis Batch: 369773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-6	GWA-13	Total/NA	Water	EPA 300.0 R2.1	
180-125969-7	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-125969-8	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-125969-9	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-125969-10	DUP-1	Total/NA	Water	EPA 300.0 R2.1	
180-125969-11	EB-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369773/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369773/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-125969-9 MS	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-125969-9 MSD	GWC-10	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 369870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-1	GWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-125969-2	GWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-125969-3	GWA-14	Total/NA	Water	EPA 300.0 R2.1	
180-125969-4	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-125969-5	FB-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-369870/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-369870/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 370036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-1	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-126093-2	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-126093-3	GWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-126093-4	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-126093-5	GWC-4A	Total/NA	Water	EPA 300.0 R2.1	
180-126093-6	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-126093-7	FB-2	Total/NA	Water	EPA 300.0 R2.1	
180-126093-8	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-126093-9	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-126093-10	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-126093-11	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-126093-12	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-126093-13	EB-2	Total/NA	Water	EPA 300.0 R2.1	
180-126093-14	DUP-2	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370036/19	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370036/64	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370036/18	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370036/63	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126093-1 MS	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-126093-1 MSD	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-126093-11 MS	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-126093-11 MSD	GWC-23	Total/NA	Water	EPA 300.0 R2.1	

### Analysis Batch: 370252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-1	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-126093-2	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-126093-3	GWC-21	Total/NA	Water	EPA 300.0 R2.1	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

## HPLC/IC (Continued)

### Analysis Batch: 370252 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-4	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-126093-5	GWC-4A	Total/NA	Water	EPA 300.0 R2.1	
180-126093-6	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-126093-7	FB-2	Total/NA	Water	EPA 300.0 R2.1	
180-126093-8	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-126093-9	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-126093-10	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-126093-11	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-126093-12	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-126093-13	EB-2	Total/NA	Water	EPA 300.0 R2.1	
180-126093-14	DUP-2	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370252/42	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-370252/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370252/41	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-370252/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-126093-1 MS	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-126093-1 MSD	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-126093-11 MS	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-126093-11 MSD	GWC-23	Total/NA	Water	EPA 300.0 R2.1	

## Metals

### Prep Batch: 368730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-1	GWA-2	Total Recoverable	Water	3005A	
180-125969-2	GWA-3	Total Recoverable	Water	3005A	
180-125969-3	GWA-14	Total Recoverable	Water	3005A	
180-125969-4	GWA-16	Total Recoverable	Water	3005A	
180-125969-5	FB-1	Total Recoverable	Water	3005A	
180-125969-6	GWA-13	Total Recoverable	Water	3005A	
180-125969-7	GWC-1	Total Recoverable	Water	3005A	
180-125969-8	GWC-12	Total Recoverable	Water	3005A	
180-125969-9	GWC-10	Total Recoverable	Water	3005A	
180-125969-10	DUP-1	Total Recoverable	Water	3005A	
180-125969-11	EB-1	Total Recoverable	Water	3005A	
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-125969-2 MS	GWA-3	Total Recoverable	Water	3005A	
180-125969-2 MSD	GWA-3	Total Recoverable	Water	3005A	

### Analysis Batch: 369103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-1	GWA-2	Total Recoverable	Water	EPA 6020B	368730
180-125969-2	GWA-3	Total Recoverable	Water	EPA 6020B	368730
180-125969-3	GWA-14	Total Recoverable	Water	EPA 6020B	368730
180-125969-4	GWA-16	Total Recoverable	Water	EPA 6020B	368730
180-125969-5	FB-1	Total Recoverable	Water	EPA 6020B	368730
180-125969-6	GWA-13	Total Recoverable	Water	EPA 6020B	368730
180-125969-7	GWC-1	Total Recoverable	Water	EPA 6020B	368730
180-125969-8	GWC-12	Total Recoverable	Water	EPA 6020B	368730
180-125969-9	GWC-10	Total Recoverable	Water	EPA 6020B	368730

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
 Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

## Metals (Continued)

### Analysis Batch: 369103 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-10	DUP-1	Total Recoverable	Water	EPA 6020B	368730
180-125969-11	EB-1	Total Recoverable	Water	EPA 6020B	368730
MB 180-368730/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	368730
LCS 180-368730/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	368730
180-125969-2 MS	GWA-3	Total Recoverable	Water	EPA 6020B	368730
180-125969-2 MSD	GWA-3	Total Recoverable	Water	EPA 6020B	368730

### Prep Batch: 369323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-1	GWC-15	Total Recoverable	Water	3005A	
180-126093-2	GWC-9	Total Recoverable	Water	3005A	
180-126093-3	GWC-21	Total Recoverable	Water	3005A	
180-126093-4	GWC-20	Total Recoverable	Water	3005A	
180-126093-5	GWC-4A	Total Recoverable	Water	3005A	
180-126093-6	GWC-5	Total Recoverable	Water	3005A	
180-126093-7	FB-2	Total Recoverable	Water	3005A	
180-126093-8	GWC-11	Total Recoverable	Water	3005A	
180-126093-9	GWC-17	Total Recoverable	Water	3005A	
180-126093-10	GWC-18	Total Recoverable	Water	3005A	
180-126093-11	GWC-23	Total Recoverable	Water	3005A	
180-126093-12	GWC-19	Total Recoverable	Water	3005A	
180-126093-13	EB-2	Total Recoverable	Water	3005A	
MB 180-369323/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-369323/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Prep Batch: 369326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-14	DUP-2	Total Recoverable	Water	3005A	
MB 180-369326/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-369326/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-126093-14 MS	DUP-2	Total Recoverable	Water	3005A	
180-126093-14 MSD	DUP-2	Total Recoverable	Water	3005A	

### Analysis Batch: 369490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-1	GWC-15	Total Recoverable	Water	EPA 6020B	369323
180-126093-2	GWC-9	Total Recoverable	Water	EPA 6020B	369323
180-126093-3	GWC-21	Total Recoverable	Water	EPA 6020B	369323
180-126093-4	GWC-20	Total Recoverable	Water	EPA 6020B	369323
180-126093-5	GWC-4A	Total Recoverable	Water	EPA 6020B	369323
180-126093-6	GWC-5	Total Recoverable	Water	EPA 6020B	369323
180-126093-7	FB-2	Total Recoverable	Water	EPA 6020B	369323
180-126093-8	GWC-11	Total Recoverable	Water	EPA 6020B	369323
180-126093-9	GWC-17	Total Recoverable	Water	EPA 6020B	369323
180-126093-10	GWC-18	Total Recoverable	Water	EPA 6020B	369323
180-126093-11	GWC-23	Total Recoverable	Water	EPA 6020B	369323
180-126093-12	GWC-19	Total Recoverable	Water	EPA 6020B	369323
180-126093-13	EB-2	Total Recoverable	Water	EPA 6020B	369323
180-126093-14	DUP-2	Total Recoverable	Water	EPA 6020B	369326
MB 180-369323/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	369323
MB 180-369326/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	369326

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

## Metals (Continued)

### Analysis Batch: 369490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-369323/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	369323
LCS 180-369326/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	369326
180-126093-14 MS	DUP-2	Total Recoverable	Water	EPA 6020B	369326
180-126093-14 MSD	DUP-2	Total Recoverable	Water	EPA 6020B	369326

## General Chemistry

### Analysis Batch: 368811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-1	GWA-2	Total/NA	Water	SM 2540C	
180-125969-2	GWA-3	Total/NA	Water	SM 2540C	
180-125969-3	GWA-14	Total/NA	Water	SM 2540C	
180-125969-4	GWA-16	Total/NA	Water	SM 2540C	
180-125969-5	FB-1	Total/NA	Water	SM 2540C	
MB 180-368811/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-368811/1	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 369008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-6	GWA-13	Total/NA	Water	SM 2540C	
180-125969-7	GWC-1	Total/NA	Water	SM 2540C	
MB 180-369008/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369008/1	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 369009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-8	GWC-12	Total/NA	Water	SM 2540C	
180-125969-9	GWC-10	Total/NA	Water	SM 2540C	
180-125969-10	DUP-1	Total/NA	Water	SM 2540C	
180-125969-11	EB-1	Total/NA	Water	SM 2540C	
MB 180-369009/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369009/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-125969-8 DU	GWC-12	Total/NA	Water	SM 2540C	

### Analysis Batch: 369142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-8	GWC-11	Total/NA	Water	SM 2540C	
MB 180-369142/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369142/1	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 369319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-1	GWC-15	Total/NA	Water	SM 2540C	
180-126093-2	GWC-9	Total/NA	Water	SM 2540C	
MB 180-369319/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369319/1	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 369349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-3	GWC-21	Total/NA	Water	SM 2540C	
180-126093-4	GWC-20	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

# QC Association Summary

Client: Southern Company  
Project/Site: Plant McIntosh Ash Landfill #4

Job ID: 180-125969-1

## General Chemistry (Continued)

### Analysis Batch: 369349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-5	GWC-4A	Total/NA	Water	SM 2540C	
180-126093-6	GWC-5	Total/NA	Water	SM 2540C	
180-126093-7	FB-2	Total/NA	Water	SM 2540C	
180-126093-9	GWC-17	Total/NA	Water	SM 2540C	
180-126093-10	GWC-18	Total/NA	Water	SM 2540C	
180-126093-11	GWC-23	Total/NA	Water	SM 2540C	
180-126093-12	GWC-19	Total/NA	Water	SM 2540C	
180-126093-13	EB-2	Total/NA	Water	SM 2540C	
180-126093-14	DUP-2	Total/NA	Water	SM 2540C	
MB 180-369349/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-369349/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-126093-3 DU	GWC-21	Total/NA	Water	SM 2540C	
180-126093-14 DU	DUP-2	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 369539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-1	GWA-2	Total/NA	Water	Field Sampling	
180-125969-2	GWA-3	Total/NA	Water	Field Sampling	
180-125969-3	GWA-14	Total/NA	Water	Field Sampling	
180-125969-4	GWA-16	Total/NA	Water	Field Sampling	

### Analysis Batch: 369543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-125969-6	GWA-13	Total/NA	Water	Field Sampling	
180-125969-7	GWC-1	Total/NA	Water	Field Sampling	
180-125969-8	GWC-12	Total/NA	Water	Field Sampling	
180-125969-9	GWC-10	Total/NA	Water	Field Sampling	

### Analysis Batch: 369647


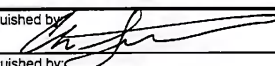
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-126093-1	GWC-15	Total/NA	Water	Field Sampling	
180-126093-2	GWC-9	Total/NA	Water	Field Sampling	
180-126093-3	GWC-21	Total/NA	Water	Field Sampling	
180-126093-4	GWC-20	Total/NA	Water	Field Sampling	
180-126093-5	GWC-4A	Total/NA	Water	Field Sampling	
180-126093-6	GWC-5	Total/NA	Water	Field Sampling	
180-126093-8	GWC-11	Total/NA	Water	Field Sampling	
180-126093-9	GWC-17	Total/NA	Water	Field Sampling	
180-126093-10	GWC-18	Total/NA	Water	Field Sampling	
180-126093-11	GWC-23	Total/NA	Water	Field Sampling	
180-126093-12	GWC-19	Total/NA	Water	Field Sampling	

**Eurofins TestAmerica, Pittsburgh**

301 Alpha Drive RIDC Park  
 Pittsburgh, PA 15238  
 Phone (412) 963-7058 Fax (412) 963-2468

**Chain of Custody Record**



<b>Client Information</b>		Sampler: <u>A Schmitt/Kler</u>		Lab PM: Brown, Shali		Carrier: T																																																																																																																			
Client Contact: SCS Contacts		Phone: <u>770 969 0038</u>		E-Mail: shali.brown@eurofinset.com																																																																																																																					
Company: GA Power		<b>Analysis Requested</b> 180-125969 Chain of Custody																																																																																																																							
Address: 241 Ralph McGill Blvd SE																																																																																																																									
City: Atlanta		Due Date Requested:		Total Number of Containers: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)																																																																																																																					
State, Zip: GA, 30308		TAT Requested (days):																																																																																																																							
Phone: 404-506-7116(Tel)		PO #:																																																																																																																							
Email: SCS Contacts		WO #:																																																																																																																							
Project Name: Plant McIntosh Landfill #4		Project #: 18019955																																																																																																																							
Site: Georgia		SSOW#:		Other: Special Instructions/Note: APP III plus 15 State Metals																																																																																																																					
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Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		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																																																																																																																							
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements: State Permit Metals: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, zinc																																																																																																																							
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:																																																																																																																			
Relinquished by: 		Date/Time: 8/18/21 1710		Company:		Received by: <u>D. Water</u>																																																																																																																			
Relinquished by:		Date/Time:		Company:		Date/Time: 8-19-21 9:15																																																																																																																			
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Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:																																																																																																																					

Ver: 8/8/2019



**Chain of Custody Record**

<b>Client Information</b>		Sampler: <i>Anna Schmidt-Hew</i>		Lab PM: Brown, Shali		Carrier Tracking No(s):		COC No: 1 of 2	
Client Contact: SCS Contacts		Phone: <i>270 969 0038</i>		E-Mail: shali.brown@eurofinset.com				Page:	
Company: GA Power								Job #:	
Address: 241 Ralph McGill Blvd SE		Due Date Requested:						Preservation Codes: A - HCL M - Heavy	
City: Atlanta		TAT Requested (days):							
State, Zip: GA, 30308									
Phone: 404-506-7116(Tel)		PO #:							
Email: SCS Contacts		WO #:							
Project Name: Plant McIntosh Landfill #4		Project #: 18019955							
Site: Georgia		SSOW#:							
				Field Filtered Sample (Yes or No)					
				Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)					
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# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-125969-1

**Login Number: 125969**

**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?	True	
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: 180-125969-1

**Login Number: 126093**

**List Source: Eurofins TestAmerica, Pittsburgh**

**List Number: 1**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	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	



**LEVEL 2A LABORATORY DATA VALIDATIONS**

**McIntosh Existing Landfill No. 4**

**Annual Event**

**August 2021**

## **Georgia Power Company – McIntosh Landfill 4**

### **Quality Control Review of Analytical Data – August 2021**

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Pittsburgh for groundwater samples collected at McIntosh LF4 between August 17, 2021 and August 19, 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 of this Appendix.

In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 CFR, Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detected monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), Determination of Inorganic Anions (USEPA Method 300.0), and Solids in Water (Standard Methods 2540C).

Data were reviewed in accordance with the USEPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)<sup>1</sup> and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)<sup>2</sup>. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (field, equipment, and laboratory blanks). Sample receipt conditions, holding times, and chains of custody (COCs) were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

## DATA QUALITY OBJECTIVES

**Laboratory Precision:** Laboratory goals for precision were met.

**Field Precision:** Field goals for precision were met, with the exceptions of barium, calcium, total dissolved solids (TDS), and chloride in GWA-13 (180-125969-6) as described in the qualifications section below.

**Accuracy:** Laboratory goals for accuracy were met, with the exceptions of sulfate in GWC-15 (180-126093-1) and chloride in GWC-23 (180-126093-11) as described in the qualifications section below.

**Detection Limits:** Project goals for detection limits were met.

**Completeness:** There were no rejected analytical results for this event, resulting in a completion of 100%.

**Holding Times:** Holding time requirements were met.

## QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy 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 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.

**ND:** 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. The applied qualifications may not have been required for all samples collected at the site. A summary of sample qualifications can be found in Table 2 of this Appendix.

- Samples GWA-13 (180-125969-6) and DUP-1 (180-125969-10) were qualified as estimated (J) for barium, calcium, TDS, and chloride as the field relative percent differences (RPDs) exceeded QC criteria (132.71%, 153.74%, 116.00%, and 98.14%, respectively, above the limit of 20).

- Sample GWC-15 (180-126093-1) was qualified as estimated (J) for sulfate as the associated matrix spike duplicate (MSD) recovery was above the QC criteria (111% above the range of 90-110).
- Sample GWC-23 (180-126093-11) was qualified as estimated (J) for chloride as the associated MS recovery was above the QC criteria (112% below the range of 90-110).

Atlantic Coast Consulting, Inc. reviewed the laboratory data from McIntosh LF4 sampled between August 17, 2021 and August 19, 2021 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

## **REFERENCES**

<sup>1</sup>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

<sup>2</sup>USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0



TABLE 1

## Georgia Power Company – McIntosh LF4

## Sample Summary Table – August 2021

SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses		
						Metals (6020B)	Anions (300.0)	TDS (SM 2540C)
125969	GWA-2	8/17/2021	180-125969-1	GW		X	X	X
125969	GWA-3	8/17/2021	180-125969-2	GW		X	X	X
125969	GWA-14	8/17/2021	180-125969-3	GW		X	X	X
125969	GWA-16	8/17/2021	180-125969-4	GW		X	X	X
125969	FB-1	8/17/2021	180-125969-5	WQ	FB	X	X	X
125969	GWA-13	8/18/2021	180-125969-6	GW		X	X	X
125969	GWC-1	8/18/2021	180-125969-7	GW		X	X	X
125969	GWC-12	8/18/2021	180-125969-8	GW		X	X	X
125969	GWC-10	8/18/2021	180-125969-9	GW		X	X	X
125969	DUP-1	8/18/2021	180-125969-10	GW	FD (GWA-13)	X	X	X
125969	EB-1	8/18/2021	180-125969-11	WQ	EB	X	X	X
125969	GWC-15	8/19/2021	180-126093-1	GW		X	X	X
125969	GWC-9	8/19/2021	180-126093-2	GW		X	X	X
125969	GWC-21	8/19/2021	180-126093-3	GW		X	X	X
125969	GWC-20	8/19/2021	180-126093-4	GW		X	X	X
125969	GWC-4A	8/19/2021	180-126093-5	GW		X	X	X
125969	GWC-5	8/19/2021	180-126093-6	GW		X	X	X
125969	FB-2	8/19/2021	180-126093-7	WQ	FB	X	X	X
125969	GWC-11	8/18/2021	180-126093-8	GW		X	X	X
125969	GWC-17	8/19/2021	180-126093-9	GW		X	X	X
125969	GWC-18	8/19/2021	180-126093-10	GW		X	X	X
125969	GWC-23	8/19/2021	180-126093-11	GW		X	X	X
125969	GWC-19	8/19/2021	180-126093-12	GW		X	X	X
125969	EB-2	8/19/2021	180-126093-13	WQ	EB	X	X	X
125969	DUP-2	8/19/2021	180-126093-14	GW	FD (GWC-19)	X	X	X

## Abbreviations:

EB – Equipment Blank

FB – Field Blank

FD – Field Duplicate

GW – Groundwater

QC – Quality Control

TDS – Total Dissolved Solids

WQ – Water Quality Control

TABLE 2

Georgia Power Company – McIntosh LF4

Qualifier Summary Table – August 2021

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
125969	GWC-15	Sulfate			J	MSD outside QC criteria
125969	GWC-23	Chloride			J	MSD outside QC criteria
125969	GWA-13	Barium			J	RPD exceeds field goal
125969	DUP-1	Barium			J	RPD exceeds field goal
125969	GWA-13	Calcium			J	RPD exceeds field goal
125969	DUP-1	Calcium			J	RPD exceeds field goal
125969	GWA-13	TDS			J	RPD exceeds field goal
125969	DUP-1	TDS			J	RPD exceeds field goal
125969	GWA-13	Chloride			J	RPD exceeds field goal
125969	DUP-1	Chloride			J	RPD exceeds field goal

Abbreviations:

MDC – Minimum Detectable Concentration  
 MS/MSD – Matrix Spike / Matrix Spike Duplicate  
 MDL – Method Detection Limit  
 RL – Reporting Limit  
 RPD – Relative Percent Difference  
 SDG – Sample Delivery Group  
 TDS – Total Dissolved Solids

Qualifiers:

J – Estimated Result  
 ND – Non-Detect Result

# Low-Flow Test Report:

**Test Date / Time:** 8/18/2021 10:50:28 AM

**Project:** McIntosh LF4

**Operator Name:** Anna Schnittker

<b>Location Name:</b> GWC-1 <b>Well Diameter:</b> 2 in <b>Casing Type:</b> PVC <b>Screen Length:</b> 10 ft <b>Top of Screen:</b> 18.3 ft <b>Total Depth:</b> 28.29 ft <b>Initial Depth to Water:</b> 14.85 ft	<b>Pump Type:</b> Peristaltic <b>Tubing Type:</b> Poly <b>Pump Intake From TOC:</b> 23 ft <b>Estimated Total Volume Pumped:</b> 6.8 liter <b>Flow Cell Volume:</b> 90 ml <b>Final Flow Rate:</b> 150 ml/min <b>Final Draw Down:</b> 2 in	<b>Instrument Used:</b> Aqua TROLL 400 <b>Serial Number:</b> 843285
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## Test Notes:

Sample Time 1145. Sunny 80s

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
8/18/2021 10:50 AM	00:00	5.02 pH	27.83 °C	40.15 µS/cm	7.06 mg/L	8.35 NTU	101.4 mV	14.85 ft	150.00 ml/min
8/18/2021 10:55 AM	05:00	4.96 pH	24.35 °C	42.00 µS/cm	6.01 mg/L	7.80 NTU	115.1 mV	15.1 ft	150.00 ml/min
8/18/2021 11:00 AM	10:00	4.95 pH	24.36 °C	41.41 µS/cm	5.08 mg/L	6.44 NTU	112.8 mV	15.1 ft	150.00 ml/min
8/18/2021 11:05 AM	15:00	4.94 pH	23.77 °C	41.19 µS/cm	4.49 mg/L	5.98 NTU	111.6 mV	15.1 ft	150.00 ml/min
8/18/2021 11:10 AM	20:00	4.93 pH	24.02 °C	40.11 µS/cm	4.03 mg/L	5.20 NTU	111.5 mV	15.1 ft	150.00 ml/min
8/18/2021 11:15 AM	25:00	4.92 pH	24.21 °C	40.03 µS/cm	3.61 mg/L	5.00 NTU	111.7 mV	15.1 ft	150.00 ml/min
8/18/2021 11:20 AM	30:00	4.90 pH	24.06 °C	41.06 µS/cm	2.89 mg/L	4.30 NTU	112.4 mV	15.1 ft	150.00 ml/min
8/18/2021 11:25 AM	35:00	4.89 pH	24.48 °C	41.01 µS/cm	2.85 mg/L	4.56 NTU	112.5 mV	15.1 ft	150.00 ml/min
8/18/2021 11:30 AM	40:00	4.90 pH	24.63 °C	40.59 µS/cm	2.81 mg/L	4.67 NTU	139.8 mV	15.1 ft	150.00 ml/min
8/18/2021 11:35 AM	45:00	4.89 pH	24.68 °C	40.79 µS/cm	2.80 mg/L	4.63 NTU	114.7 mV	15.1 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/17/2021 9:33:31 AM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWA-2</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 18.4 ft</b> <b>Total Depth: 28.47 ft</b> <b>Initial Depth to Water: 16.95 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 23 ft</b> <b>Estimated Total Volume Pumped: 4.1 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 135 ml/min</b> <b>Final Draw Down: 1 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time: 1010. Sunny 83F. FB-1 here 1025

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
8/17/2021 9:33 AM	00:00	4.69 pH	25.26 °C	34.26 µS/cm	4.34 mg/L	25.40 NTU	182.1 mV	16.95 ft	135.00 ml/min
8/17/2021 9:33 AM	00:21	4.69 pH	25.18 °C	34.22 µS/cm	4.21 mg/L	24.60 NTU	195.6 mV	16.95 ft	135.00 ml/min
8/17/2021 9:38 AM	05:21	4.67 pH	24.27 °C	34.19 µS/cm	3.72 mg/L	15.00 NTU	147.3 mV	17.00 ft	135.00 ml/min
8/17/2021 9:43 AM	10:21	4.66 pH	24.29 °C	34.43 µS/cm	3.73 mg/L	6.57 NTU	140.7 mV	17.00 ft	135.00 ml/min
8/17/2021 9:48 AM	15:21	4.65 pH	24.49 °C	34.74 µS/cm	3.80 mg/L	5.10 NTU	139.4 mV	17.00 ft	135.00 ml/min
8/17/2021 9:53 AM	20:21	4.65 pH	24.59 °C	34.31 µS/cm	3.79 mg/L	2.45 NTU	138.1 mV	17.00 ft	135.00 ml/min
8/17/2021 9:58 AM	25:21	4.64 pH	24.86 °C	34.22 µS/cm	3.90 mg/L	1.60 NTU	138.8 mV	17.00 ft	135.00 ml/min
8/17/2021 10:03 AM	30:21	4.62 pH	24.91 °C	34.01 µS/cm	3.89 mg/L	1.41 NTU	137.7 mV	17.00 ft	135.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/17/2021 10:48:39 AM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWA-3</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 28.3 ft</b> <b>Total Depth: 38.31 ft</b> <b>Initial Depth to Water: 21.94 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 33 ft</b> <b>Estimated Total Volume Pumped: 3.4 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 38 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time: 11:25. Overcast 80F.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
8/17/2021 10:48 AM	00:00	4.84 pH	31.61 °C	25.32 µS/cm	7.07 mg/L	0.66 NTU	163.9 mV	21.94 ft	135.00 ml/min
8/17/2021 10:53 AM	05:00	4.88 pH	26.31 °C	25.20 µS/cm	5.34 mg/L	0.87 NTU	126.7 mV	24.20 ft	125.00 ml/min
8/17/2021 10:58 AM	10:00	4.84 pH	26.46 °C	25.44 µS/cm	5.26 mg/L	2.70 NTU	124.6 mV	24.60 ft	110.00 ml/min
8/17/2021 11:03 AM	15:00	4.83 pH	27.47 °C	25.29 µS/cm	5.15 mg/L	4.80 NTU	125.3 mV	24.90 ft	100.00 ml/min
8/17/2021 11:08 AM	20:00	4.81 pH	27.38 °C	25.18 µS/cm	5.14 mg/L	6.51 NTU	125.1 mV	25.00 ft	100.00 ml/min
8/17/2021 11:13 AM	25:00	4.82 pH	27.32 °C	25.38 µS/cm	5.13 mg/L	1.83 NTU	123.5 mV	25.10 ft	100.00 ml/min
8/17/2021 11:18 AM	30:00	4.82 pH	27.88 °C	25.03 µS/cm	5.12 mg/L	1.53 NTU	124.6 mV	25.10 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/19/2021 3:43:32 PM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWC-4A</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 29 ft</b> <b>Total Depth: 39 ft</b> <b>Initial Depth to Water: 24.9 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 34 ft</b> <b>Estimated Total Volume Pumped: 3.6 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 120 ml/min</b> <b>Final Draw Down: 4 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1620. Sunny 80s

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.3	
8/19/2021 3:43 PM	00:00	4.86 pH	29.33 °C	37.71 µS/cm	4.55 mg/L	1.95 NTU	205.3 mV	24.90 ft	120.00 ml/min
8/19/2021 3:48 PM	05:00	4.88 pH	28.44 °C	37.50 µS/cm	4.05 mg/L	2.13 NTU	143.3 mV	25.20 ft	120.00 ml/min
8/19/2021 3:53 PM	10:00	4.86 pH	28.89 °C	37.11 µS/cm	3.96 mg/L	0.69 NTU	133.5 mV	25.20 ft	120.00 ml/min
8/19/2021 3:58 PM	15:00	4.87 pH	29.10 °C	37.23 µS/cm	3.94 mg/L	1.01 NTU	131.5 mV	25.20 ft	120.00 ml/min
8/19/2021 4:03 PM	20:00	4.89 pH	28.92 °C	35.67 µS/cm	3.95 mg/L	1.04 NTU	130.2 mV	25.20 ft	120.00 ml/min
8/19/2021 4:08 PM	25:00	4.89 pH	29.04 °C	34.71 µS/cm	3.96 mg/L	1.28 NTU	129.1 mV	25.20 ft	120.00 ml/min
8/19/2021 4:13 PM	30:00	4.86 pH	28.85 °C	34.96 µS/cm	4.00 mg/L	2.22 NTU	172.9 mV	25.20 ft	120.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/19/2021 4:42:02 PM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWC-5</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 31.7 ft</b> <b>Total Depth: 41.71 ft</b> <b>Initial Depth to Water: 24.02 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 36 ft</b> <b>Estimated Total Volume Pumped: 5.3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 3 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1720. Sunny 80s

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.3	
8/19/2021 4:42 PM	00:00	5.26 pH	37.20 °C	31.93 µS/cm	5.96 mg/L	0.55 NTU	180.3 mV	24.02 ft	150.00 ml/min
8/19/2021 4:47 PM	05:00	5.29 pH	29.70 °C	33.87 µS/cm	4.67 mg/L	1.33 NTU	124.2 mV	24.30 ft	150.00 ml/min
8/19/2021 4:52 PM	10:00	5.26 pH	29.62 °C	33.73 µS/cm	4.35 mg/L	1.43 NTU	115.2 mV	24.30 ft	150.00 ml/min
8/19/2021 4:57 PM	15:00	5.29 pH	29.65 °C	33.57 µS/cm	4.32 mg/L	1.53 NTU	110.9 mV	24.30 ft	150.00 ml/min
8/19/2021 5:02 PM	20:00	5.27 pH	29.52 °C	33.74 µS/cm	4.32 mg/L	1.54 NTU	110.8 mV	24.30 ft	150.00 ml/min
8/19/2021 5:07 PM	25:00	5.25 pH	29.56 °C	31.69 µS/cm	4.31 mg/L	1.77 NTU	110.9 mV	24.30 ft	150.00 ml/min
8/19/2021 5:12 PM	30:00	5.24 pH	29.56 °C	31.69 µS/cm	4.30 mg/L	0.75 NTU	110.6 mV	24.30 ft	150.00 ml/min
8/19/2021 5:17 PM	35:00	5.23 pH	29.28 °C	30.69 µS/cm	4.32 mg/L	2.32 NTU	110.4 mV	24.30 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/19/2021 10:31:02 AM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWC-9</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 28 ft</b> <b>Total Depth: 38.05 ft</b> <b>Initial Depth to Water: 29.36 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 32 ft</b> <b>Estimated Total Volume Pumped: 27.5 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 250 ml/min</b> <b>Final Draw Down: 1 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1225. Sunny 80s

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.3	
8/19/2021 10:31 AM	00:00	4.94 pH	26.45 °C	39.28 µS/cm	6.79 mg/L	2.90 NTU	156.5 mV	29.36 ft	250.00 ml/min
8/19/2021 10:36 AM	05:00	4.93 pH	25.93 °C	37.07 µS/cm	6.99 mg/L	2.66 NTU	130.8 mV	29.40 ft	250.00 ml/min
8/19/2021 10:41 AM	10:00	4.91 pH	26.18 °C	37.06 µS/cm	6.85 mg/L	2.85 NTU	130.2 mV	29.40 ft	250.00 ml/min
8/19/2021 10:46 AM	15:00	4.90 pH	26.46 °C	37.13 µS/cm	6.90 mg/L	2.20 NTU	130.6 mV	29.40 ft	250.00 ml/min
8/19/2021 10:51 AM	20:00	4.90 pH	26.68 °C	36.83 µS/cm	6.74 mg/L	1.57 NTU	130.8 mV	29.40 ft	250.00 ml/min
8/19/2021 10:56 AM	25:00	4.89 pH	26.70 °C	36.64 µS/cm	7.25 mg/L	1.10 NTU	132.3 mV	29.40 ft	250.00 ml/min
8/19/2021 11:01 AM	30:00	4.90 pH	26.63 °C	37.21 µS/cm	7.23 mg/L	0.98 NTU	131.5 mV	29.40 ft	250.00 ml/min
8/19/2021 11:06 AM	35:00	4.94 pH	26.55 °C	38.24 µS/cm	7.15 mg/L	0.54 NTU	130.3 mV	29.40 ft	250.00 ml/min
8/19/2021 11:11 AM	40:00	4.91 pH	26.96 °C	37.84 µS/cm	7.29 mg/L	0.36 NTU	131.8 mV	29.40 ft	250.00 ml/min
8/19/2021 11:16 AM	45:00	4.91 pH	27.14 °C	37.48 µS/cm	6.12 mg/L	0.39 NTU	131.9 mV	29.40 ft	250.00 ml/min
8/19/2021 11:21 AM	50:00	4.90 pH	26.99 °C	37.45 µS/cm	6.05 mg/L	0.56 NTU	132.8 mV	29.40 ft	250.00 ml/min
8/19/2021 11:26 AM	55:00	4.91 pH	26.62 °C	37.82 µS/cm	7.31 mg/L	0.32 NTU	131.7 mV	29.40 ft	250.00 ml/min
8/19/2021 11:31 AM	01:00:00	4.91 pH	26.72 °C	37.85 µS/cm	7.41 mg/L	0.49 NTU	132.1 mV	29.40 ft	250.00 ml/min
8/19/2021 11:36 AM	01:05:00	4.91 pH	27.34 °C	37.48 µS/cm	7.35 mg/L	0.46 NTU	133.2 mV	29.40 ft	250.00 ml/min
8/19/2021 11:41 AM	01:10:00	4.90 pH	27.23 °C	38.13 µS/cm	5.84 mg/L	0.56 NTU	133.2 mV	29.40 ft	250.00 ml/min



8/19/2021 11:46 AM	01:15:00	4.90 pH	27.34 °C	37.42 µS/cm	7.70 mg/L	0.47 NTU	133.7 mV	29.40 ft	250.00 ml/min
8/19/2021 11:51 AM	01:20:00	4.89 pH	27.33 °C	37.91 µS/cm	7.30 mg/L	0.42 NTU	134.0 mV	29.40 ft	250.00 ml/min
8/19/2021 11:56 AM	01:25:00	4.89 pH	27.05 °C	38.56 µS/cm	6.76 mg/L	0.40 NTU	134.9 mV	29.40 ft	250.00 ml/min
8/19/2021 12:01 PM	01:30:00	4.90 pH	27.46 °C	38.28 µS/cm	5.82 mg/L	0.39 NTU	133.9 mV	29.40 ft	250.00 ml/min
8/19/2021 12:06 PM	01:35:00	4.90 pH	27.97 °C	39.30 µS/cm	5.87 mg/L	0.32 NTU	134.4 mV	29.40 ft	250.00 ml/min
8/19/2021 12:11 PM	01:40:00	4.90 pH	28.36 °C	39.18 µS/cm	7.36 mg/L	0.38 NTU	134.8 mV	29.40 ft	250.00 ml/min
8/19/2021 12:16 PM	01:45:00	4.90 pH	27.95 °C	38.28 µS/cm	7.13 mg/L	0.27 NTU	134.6 mV	29.40 ft	250.00 ml/min
8/19/2021 12:21 PM	01:50:00	4.89 pH	28.25 °C	38.39 µS/cm	7.14 mg/L	0.24 NTU	135.7 mV	29.40 ft	250.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/18/2021 1:45:44 PM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWC-10</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 23.1 ft</b> <b>Total Depth: 33.16 ft</b> <b>Initial Depth to Water: 25 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 28 ft</b> <b>Estimated Total Volume Pumped: 18.2 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 1 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1520. EB-1 here 1535. Sunny 80s.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.3	
8/18/2021 1:45 PM	00:00	6.68 pH	29.65 °C	259.09 µS/cm	1.42 mg/L	1.78 NTU	64.4 mV	25.00 ft	210.00 ml/min
8/18/2021 1:50 PM	05:00	6.63 pH	27.00 °C	268.56 µS/cm	1.25 mg/L	1.30 NTU	60.0 mV	25.10 ft	210.00 ml/min
8/18/2021 1:55 PM	10:00	6.57 pH	27.44 °C	255.05 µS/cm	1.43 mg/L	0.48 NTU	74.2 mV	25.10 ft	210.00 ml/min
8/18/2021 2:00 PM	15:00	6.55 pH	28.25 °C	252.21 µS/cm	1.49 mg/L	0.51 NTU	76.2 mV	25.10 ft	210.00 ml/min
8/18/2021 2:05 PM	20:00	6.56 pH	30.97 °C	254.62 µS/cm	1.46 mg/L	0.45 NTU	61.7 mV	25.10 ft	210.00 ml/min
8/18/2021 2:10 PM	25:00	6.56 pH	33.33 °C	255.91 µS/cm	1.91 mg/L	0.33 NTU	62.1 mV	25.10 ft	210.00 ml/min
8/18/2021 2:15 PM	30:00	6.46 pH	29.67 °C	210.85 µS/cm	1.72 mg/L	0.31 NTU	84.8 mV	25.10 ft	210.00 ml/min
8/18/2021 2:20 PM	35:00	6.43 pH	27.46 °C	217.38 µS/cm	1.51 mg/L	0.37 NTU	81.6 mV	25.10 ft	210.00 ml/min
8/18/2021 2:25 PM	40:00	6.40 pH	27.19 °C	216.95 µS/cm	1.63 mg/L	0.29 NTU	80.9 mV	25.10 ft	210.00 ml/min
8/18/2021 2:30 PM	45:00	6.38 pH	26.37 °C	213.62 µS/cm	1.55 mg/L	0.27 NTU	80.3 mV	25.10 ft	210.00 ml/min
8/18/2021 2:35 PM	50:00	6.37 pH	26.41 °C	214.71 µS/cm	1.68 mg/L	0.25 NTU	81.0 mV	25.10 ft	210.00 ml/min
8/18/2021 2:40 PM	55:00	6.35 pH	26.90 °C	204.17 µS/cm	1.85 mg/L	0.28 NTU	81.6 mV	25.10 ft	210.00 ml/min
8/18/2021 2:45 PM	01:00:00	6.35 pH	26.68 °C	205.19 µS/cm	1.75 mg/L	0.27 NTU	82.6 mV	25.10 ft	210.00 ml/min
8/18/2021 2:50 PM	01:05:00	6.34 pH	26.65 °C	203.36 µS/cm	1.70 mg/L	0.23 NTU	64.4 mV	25.10 ft	210.00 ml/min
8/18/2021 2:55 PM	01:10:00	6.73 pH	25.88 °C	287.83 µS/cm	1.52 mg/L	0.22 NTU	54.6 mV	25.10 ft	210.00 ml/min

8/18/2021 3:00 PM	01:15:00	6.41 pH	26.48 °C	212.06 µS/cm	1.04 mg/L	0.31 NTU	55.4 mV	25.10 ft	210.00 ml/min
8/18/2021 3:05 PM	01:20:00	6.34 pH	25.54 °C	206.95 µS/cm	1.54 mg/L	0.35 NTU	81.0 mV	25.10 ft	210.00 ml/min
8/18/2021 3:10 PM	01:25:00	6.31 pH	25.91 °C	198.44 µS/cm	1.53 mg/L	0.41 NTU	64.8 mV	25.10 ft	210.00 ml/min
8/18/2021 3:15 PM	01:30:00	6.32 pH	25.58 °C	202.07 µS/cm	1.60 mg/L	0.50 NTU	81.4 mV	25.10 ft	210.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/18/2021 3:14:44 PM

Project: McIntosh LF4

Operator Name: Taylor Goble

<b>Location Name: GWC-11</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 33.22 ft</b> <b>Total Depth: 43.22 ft</b> <b>Initial Depth to Water: 33.46 ft</b>	<b>Pump Type: Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 38.22 ft</b> <b>Estimated Total Volume Pumped: 18.9 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 250 ml/min</b> <b>Final Draw Down: 3 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843593</b>
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## Test Notes:

Sampled at 1632. Mostly cloudy 92F degrees

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.3	+/- 10	+/- 25	+/- 5	
8/18/2021 3:14 PM	00:00	7.16 pH	35.78 °C	163.70 µS/cm	4.64 mg/L	13.00 NTU	-23.6 mV	33.60 ft	250.00 ml/min
8/18/2021 3:15 PM	00:30	7.25 pH	33.97 °C	170.38 µS/cm	4.36 mg/L	13.00 NTU	-26.6 mV	33.60 ft	250.00 ml/min
8/18/2021 3:16 PM	01:42	7.33 pH	30.63 °C	183.53 µS/cm	3.12 mg/L	13.00 NTU	-30.2 mV	33.60 ft	250.00 ml/min
8/18/2021 3:21 PM	06:42	7.20 pH	27.08 °C	179.61 µS/cm	2.37 mg/L	12.80 NTU	-18.2 mV	33.70 ft	250.00 ml/min
8/18/2021 3:26 PM	11:42	6.99 pH	27.05 °C	157.11 µS/cm	2.45 mg/L	11.50 NTU	-25.8 mV	33.80 ft	250.00 ml/min
8/18/2021 3:31 PM	16:42	6.82 pH	26.18 °C	137.17 µS/cm	2.80 mg/L	10.60 NTU	4.4 mV	33.80 ft	250.00 ml/min
8/18/2021 3:36 PM	21:42	6.75 pH	24.60 °C	126.85 µS/cm	2.90 mg/L	7.89 NTU	28.1 mV	33.80 ft	250.00 ml/min
8/18/2021 3:41 PM	26:42	6.70 pH	24.28 °C	122.02 µS/cm	2.87 mg/L	6.66 NTU	38.9 mV	33.80 ft	250.00 ml/min
8/18/2021 3:46 PM	31:42	6.69 pH	24.41 °C	120.34 µS/cm	2.76 mg/L	5.27 NTU	44.6 mV	33.80 ft	250.00 ml/min
8/18/2021 3:51 PM	36:42	6.68 pH	23.70 °C	120.25 µS/cm	2.73 mg/L	4.44 NTU	47.4 mV	33.80 ft	250.00 ml/min
8/18/2021 3:56 PM	41:42	6.68 pH	23.83 °C	120.03 µS/cm	2.62 mg/L	4.14 NTU	48.9 mV	33.80 ft	250.00 ml/min
8/18/2021 4:01 PM	46:42	6.66 pH	23.52 °C	117.84 µS/cm	2.56 mg/L	2.81 NTU	50.0 mV	33.80 ft	250.00 ml/min
8/18/2021 4:06 PM	51:42	6.65 pH	24.10 °C	116.48 µS/cm	2.50 mg/L	2.70 NTU	50.6 mV	33.80 ft	250.00 ml/min
8/18/2021 4:11 PM	56:42	6.63 pH	24.46 °C	113.75 µS/cm	2.48 mg/L	2.42 NTU	52.0 mV	33.80 ft	250.00 ml/min
8/18/2021 4:16 PM	01:01:42	6.59 pH	24.33 °C	109.63 µS/cm	2.56 mg/L	1.89 NTU	54.8 mV	33.80 ft	250.00 ml/min

8/18/2021 4:21 PM	01:06:42	6.54 pH	24.57 °C	107.02 µS/cm	2.61 mg/L	1.80 NTU	57.9 mV	33.80 in	250.00 ml/min
8/18/2021 4:26 PM	01:11:42	6.55 pH	24.22 °C	103.99 µS/cm	2.68 mg/L	1.69 NTU	58.2 mV	33.80 ft	250.00 ml/min
8/18/2021 4:31 PM	01:16:42	6.54 pH	23.89 °C	102.43 µS/cm	2.79 mg/L	1.50 NTU	57.8 mV	33.80 ft	250.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/18/2021 12:22:16 PM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWC-12</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 31.1 ft</b> <b>Total Depth: 41.1 ft</b> <b>Initial Depth to Water: 27.5 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 4.5 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 2 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1300. Sunny 80s

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.3	
8/18/2021 12:22 PM	00:00	5.01 pH	25.58 °C	22.29 µS/cm	6.16 mg/L	2.95 NTU	137.0 mV	27.50 ft	150.00 ml/min
8/18/2021 12:27 PM	05:00	4.99 pH	24.86 °C	22.84 µS/cm	6.66 mg/L	2.67 NTU	124.9 mV	27.70 ft	150.00 ml/min
8/18/2021 12:32 PM	10:00	5.03 pH	24.57 °C	22.81 µS/cm	6.68 mg/L	2.12 NTU	122.5 mV	27.70 ft	150.00 ml/min
8/18/2021 12:37 PM	15:00	5.01 pH	24.54 °C	23.09 µS/cm	6.59 mg/L	1.93 NTU	123.4 mV	27.70 ft	150.00 ml/min
8/18/2021 12:42 PM	20:00	4.99 pH	24.64 °C	22.97 µS/cm	6.49 mg/L	1.89 NTU	124.3 mV	27.70 ft	150.00 ml/min
8/18/2021 12:47 PM	25:00	5.02 pH	24.76 °C	22.97 µS/cm	6.57 mg/L	1.59 NTU	124.5 mV	27.70 ft	150.00 ml/min
8/18/2021 12:52 PM	30:00	5.01 pH	24.80 °C	22.81 µS/cm	6.47 mg/L	1.44 NTU	124.9 mV	27.70 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/18/2021 9:17:24 AM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWA-13</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.1 ft</b> <b>Total Depth: 40.11 ft</b> <b>Initial Depth to Water: 25.19 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 6 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1000. DUP-1 here. Sunny 80

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
8/18/2021 9:17 AM	00:00	4.94 pH	27.79 °C	26.84 µS/cm	6.84 mg/L	6.00 NTU	177.3 mV	25.19 ft	200.00 ml/min
8/18/2021 9:22 AM	05:00	4.96 pH	24.82 °C	19.38 µS/cm	6.85 mg/L	4.20 NTU	193.6 mV	25.30 ft	200.00 ml/min
8/18/2021 9:27 AM	10:00	5.01 pH	24.41 °C	21.22 µS/cm	7.09 mg/L	1.87 NTU	140.6 mV	25.30 ft	200.00 ml/min
8/18/2021 9:32 AM	15:00	4.94 pH	24.59 °C	22.18 µS/cm	6.86 mg/L	1.57 NTU	138.2 mV	25.30 ft	200.00 ml/min
8/18/2021 9:37 AM	20:00	4.91 pH	24.69 °C	22.40 µS/cm	6.67 mg/L	1.26 NTU	136.8 mV	25.30 ft	200.00 ml/min
8/18/2021 9:42 AM	25:00	4.88 pH	24.85 °C	23.05 µS/cm	5.92 mg/L	1.19 NTU	135.6 mV	25.30 ft	200.00 ml/min
8/18/2021 9:47 AM	30:00	4.91 pH	24.95 °C	22.85 µS/cm	6.14 mg/L	1.11 NTU	134.9 mV	25.30 ft	200.00 ml/min
8/18/2021 9:52 AM	35:00	4.93 pH	24.73 °C	22.38 µS/cm	5.77 mg/L	1.61 NTU	133.7 mV	25.30 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/17/2021 12:15:09 PM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWA-14</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 39.9 ft</b> <b>Total Depth: 49.9 ft</b> <b>Initial Depth to Water: 26.07 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 44 ft</b> <b>Estimated Total Volume Pumped: 5.3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time: 12:55. Partly cloudy 80F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
8/17/2021 12:15 PM	00:00	5.61 pH	26.38 °C	22.31 µS/cm	7.80 mg/L	0.62 NTU	116.3 mV	26.07 ft	150.00 ml/min
8/17/2021 12:20 PM	05:00	5.60 pH	25.54 °C	22.90 µS/cm	7.96 mg/L	0.41 NTU	107.6 mV	26.60 ft	150.00 ml/min
8/17/2021 12:25 PM	10:00	5.58 pH	25.51 °C	22.94 µS/cm	7.71 mg/L	0.30 NTU	108.6 mV	26.60 ft	150.00 ml/min
8/17/2021 12:30 PM	15:00	5.57 pH	25.69 °C	22.56 µS/cm	7.64 mg/L	0.27 NTU	109.5 mV	26.60 ft	150.00 ml/min
8/17/2021 12:35 PM	20:00	5.38 pH	25.61 °C	23.15 µS/cm	7.45 mg/L	0.55 NTU	115.2 mV	26.60 ft	150.00 ml/min
8/17/2021 12:40 PM	25:00	5.15 pH	26.31 °C	23.32 µS/cm	6.97 mg/L	0.83 NTU	117.7 mV	26.60 ft	150.00 ml/min
8/17/2021 12:45 PM	30:00	5.15 pH	26.75 °C	23.12 µS/cm	6.85 mg/L	0.41 NTU	117.6 mV	26.60 ft	150.00 ml/min
8/17/2021 12:50 PM	35:00	5.12 pH	27.23 °C	22.98 µS/cm	6.75 mg/L	0.35 NTU	118.9 mV	26.60 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/19/2021 9:20:39 AM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWC-15</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.3 ft</b> <b>Total Depth: 40.3 ft</b> <b>Initial Depth to Water: 22.57 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 4.8 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min</b> <b>Final Draw Down: 3 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 9:55. FB-2 here 9:10. Sunny 80s

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.3	
8/19/2021 9:20 AM	00:00	4.98 pH	26.36 °C	23.90 µS/cm	6.42 mg/L	2.63 NTU	169.6 mV	22.57 ft	160.00 ml/min
8/19/2021 9:25 AM	05:00	4.98 pH	25.43 °C	24.15 µS/cm	6.33 mg/L	2.58 NTU	149.0 mV	22.80 ft	160.00 ml/min
8/19/2021 9:30 AM	10:00	4.95 pH	25.31 °C	23.87 µS/cm	6.31 mg/L	2.21 NTU	143.9 mV	22.80 ft	160.00 ml/min
8/19/2021 9:35 AM	15:00	4.96 pH	25.47 °C	23.61 µS/cm	6.73 mg/L	2.08 NTU	140.9 mV	22.80 ft	160.00 ml/min
8/19/2021 9:40 AM	20:00	4.96 pH	25.44 °C	22.90 µS/cm	6.79 mg/L	1.48 NTU	138.9 mV	22.80 ft	160.00 ml/min
8/19/2021 9:45 AM	25:00	4.95 pH	25.49 °C	23.00 µS/cm	6.46 mg/L	1.38 NTU	138.4 mV	22.80 ft	160.00 ml/min
8/19/2021 9:50 AM	30:00	4.92 pH	25.69 °C	22.50 µS/cm	6.36 mg/L	1.45 NTU	138.8 mV	22.80 ft	160.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/17/2021 1:55:04 PM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWA-16</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.2 ft</b> <b>Total Depth: 40.27 ft</b> <b>Initial Depth to Water: 24.59 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 4.8 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 4 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1430. Rain 80F.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
8/17/2021 1:55 PM	00:00	5.02 pH	25.72 °C	20.95 µS/cm	6.70 mg/L	1.66 NTU	134.0 mV	24.59 ft	150.00 ml/min
8/17/2021 2:00 PM	05:00	5.01 pH	25.13 °C	20.53 µS/cm	7.30 mg/L	1.40 NTU	118.4 mV	24.90 ft	150.00 ml/min
8/17/2021 2:05 PM	10:00	5.00 pH	24.87 °C	21.00 µS/cm	7.29 mg/L	0.81 NTU	118.7 mV	24.90 ft	150.00 ml/min
8/17/2021 2:10 PM	15:00	4.98 pH	24.96 °C	21.06 µS/cm	6.74 mg/L	0.55 NTU	120.2 mV	24.90 ft	150.00 ml/min
8/17/2021 2:15 PM	20:00	4.98 pH	25.31 °C	21.25 µS/cm	6.67 mg/L	0.32 NTU	120.9 mV	24.90 ft	150.00 ml/min
8/17/2021 2:20 PM	25:00	4.97 pH	25.25 °C	20.16 µS/cm	6.68 mg/L	0.56 NTU	121.2 mV	24.90 ft	150.00 ml/min
8/17/2021 2:22 PM	27:05	4.97 pH	25.18 °C	20.53 µS/cm	6.68 mg/L	0.65 NTU	117.7 mV	24.90 ft	150.00 ml/min
8/17/2021 2:27 PM	32:05	4.95 pH	25.54 °C	20.58 µS/cm	6.66 mg/L	0.73 NTU	122.8 mV	24.90 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/19/2021 9:23:13 AM

Project: McIntosh LF4

Operator Name: Taylor Goble

<b>Location Name: GWC-17</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.05 ft</b> <b>Total Depth: 40.05 ft</b> <b>Initial Depth to Water: 27.55 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35.05 ft</b> <b>Estimated Total Volume Pumped: 3.9 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 130 ml/min Final Draw Down: 2 in.</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843593</b>
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## Test Notes:

Sampled at 0953. Partly cloudy 84 degrees

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.3	+/- 10	+/- 25	+/- 5	
8/19/2021 9:23 AM	00:00	5.47 pH	31.22 °C	124.27 µS/cm	6.58 mg/L	7.72 NTU	156.2 mV	27.72 ft	130.00 ml/min
8/19/2021 9:28 AM	05:00	5.34 pH	26.71 °C	38.80 µS/cm	5.39 mg/L	3.90 NTU	183.2 mV	27.72 ft	130.00 ml/min
8/19/2021 9:33 AM	10:00	5.34 pH	26.44 °C	36.60 µS/cm	5.34 mg/L	3.35 NTU	120.3 mV	27.72 ft	130.00 ml/min
8/19/2021 9:38 AM	15:00	5.32 pH	26.25 °C	35.43 µS/cm	5.33 mg/L	2.19 NTU	114.9 mV	27.72 ft	130.00 ml/min
8/19/2021 9:43 AM	20:00	5.30 pH	26.01 °C	32.97 µS/cm	5.41 mg/L	1.77 NTU	112.0 mV	27.72 ft	130.00 ml/min
8/19/2021 9:48 AM	25:00	5.29 pH	26.13 °C	32.55 µS/cm	5.38 mg/L	1.61 NTU	110.3 mV	27.72 ft	130.00 ml/min
8/19/2021 9:53 AM	30:00	5.29 pH	26.29 °C	31.74 µS/cm	5.47 mg/L	1.51 NTU	109.3 mV	27.72 ft	130.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 8/19/2021 10:37:54 AM

**Project:** McIntosh LF4

**Operator Name:** Taylor Goble

<b>Location Name: GWC-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 32.2 ft</b> <b>Total Depth: 42.2 ft</b> <b>Initial Depth to Water: 35.75 ft</b>	<b>Pump Type: Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 37.2 ft</b> <b>Estimated Total Volume Pumped: 12.4 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 260 ml/min</b> <b>Final Draw Down: 3 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843593</b>
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## Test Notes:

Sampled at 1126. Partly cloudy 89 degrees

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.3	+/- 10	+/- 25	+/- 5	
8/19/2021 10:37 AM	00:00	6.12 pH	29.58 °C	77.14 µS/cm	5.02 mg/L	52.40 NTU	127.1 mV	35.91 ft	260.00 ml/min
8/19/2021 10:42 AM	05:00	6.10 pH	25.33 °C	78.06 µS/cm	6.00 mg/L	32.40 NTU	88.9 mV	36.00 ft	260.00 ml/min
8/19/2021 10:47 AM	10:00	6.08 pH	24.49 °C	77.62 µS/cm	6.05 mg/L	27.70 NTU	86.3 mV	36.07 ft	260.00 ml/min
8/19/2021 10:50 AM	12:40	6.09 pH	24.38 °C	77.78 µS/cm	5.86 mg/L	21.50 NTU	85.0 mV	36.08 ft	260.00 ml/min
8/19/2021 10:55 AM	17:40	6.08 pH	24.01 °C	76.32 µS/cm	5.75 mg/L	11.50 NTU	84.0 mV	36.08 ft	260.00 ml/min
8/19/2021 11:00 AM	22:40	6.08 pH	24.38 °C	78.37 µS/cm	5.33 mg/L	10.60 NTU	118.9 mV	36.08 ft	260.00 ml/min
8/19/2021 11:05 AM	27:40	6.09 pH	24.15 °C	77.39 µS/cm	5.56 mg/L	8.65 NTU	84.8 mV	36.08 ft	260.00 ml/min
8/19/2021 11:10 AM	32:40	6.13 pH	24.45 °C	76.08 µS/cm	5.75 mg/L	7.83 NTU	82.9 mV	36.08 ft	260.00 ml/min
8/19/2021 11:15 AM	37:40	6.14 pH	24.19 °C	80.65 µS/cm	5.35 mg/L	6.79 NTU	81.6 mV	36.08 ft	260.00 ml/min
8/19/2021 11:20 AM	42:40	6.15 pH	24.21 °C	80.09 µS/cm	5.29 mg/L	5.52 NTU	78.8 mV	36.08 ft	260.00 ml/min
8/19/2021 11:25 AM	47:40	6.17 pH	23.99 °C	83.58 µS/cm	5.56 mg/L	4.77 NTU	80.9 mV	36.08 ft	260.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/19/2021 2:37:27 PM

Project: McIntosh LF4

Operator Name: Taylor Goble

<b>Location Name: GWC-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 26.95 ft</b> <b>Total Depth: 36.95 ft</b> <b>Initial Depth to Water: 29.72 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 32 ft</b> <b>Estimated Total Volume Pumped: 14.2 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min Final Draw Down: 1 in.</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843593</b>
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## Test Notes:

Sampled at 1549. Partly cloudy 93 degrees

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.3	+/- 10	+/- 25	+/- 5	
8/19/2021 2:37 PM	00:00	5.86 pH	37.60 °C	84.43 µS/cm	5.39 mg/L	3.22 NTU	111.6 mV	29.80 ft	200.00 ml/min
8/19/2021 2:42 PM	05:00	5.86 pH	26.65 °C	79.43 µS/cm	3.54 mg/L	2.87 NTU	80.7 mV	29.80 ft	200.00 ml/min
8/19/2021 2:47 PM	10:00	5.83 pH	25.66 °C	83.95 µS/cm	3.98 mg/L	2.55 NTU	77.0 mV	29.80 ft	200.00 ml/min
8/19/2021 2:52 PM	15:00	5.79 pH	25.78 °C	79.24 µS/cm	4.27 mg/L	2.36 NTU	77.3 mV	29.80 ft	200.00 ml/min
8/19/2021 2:57 PM	20:00	5.75 pH	25.28 °C	74.35 µS/cm	4.36 mg/L	2.14 NTU	77.5 mV	29.80 ft	200.00 ml/min
8/19/2021 3:02 PM	25:00	5.72 pH	25.15 °C	72.32 µS/cm	4.35 mg/L	2.01 NTU	78.1 mV	29.80 ft	200.00 ml/min
8/19/2021 3:07 PM	30:00	5.71 pH	24.96 °C	70.78 µS/cm	4.42 mg/L	1.88 NTU	78.2 mV	29.80 ft	200.00 ml/min
8/19/2021 3:12 PM	35:00	5.72 pH	24.87 °C	70.05 µS/cm	4.44 mg/L	1.71 NTU	77.9 mV	29.80 ft	200.00 ml/min
8/19/2021 3:17 PM	40:00	5.69 pH	25.06 °C	69.64 µS/cm	4.41 mg/L	1.66 NTU	77.3 mV	29.80 ft	200.00 ml/min
8/19/2021 3:22 PM	45:00	5.71 pH	25.19 °C	68.32 µS/cm	4.26 mg/L	1.60 NTU	73.9 mV	29.80 ft	200.00 ml/min
8/19/2021 3:27 PM	50:00	5.70 pH	25.06 °C	68.35 µS/cm	4.48 mg/L	1.51 NTU	76.9 mV	29.80 ft	200.00 ml/min
8/19/2021 3:32 PM	55:00	5.69 pH	25.01 °C	67.42 µS/cm	4.58 mg/L	1.47 NTU	77.8 mV	29.80 ft	200.00 ml/min
8/19/2021 3:34 PM	56:45	5.69 pH	25.28 °C	67.82 µS/cm	4.53 mg/L	1.44 NTU	75.5 mV	29.80 ft	200.00 ml/min
8/19/2021 3:39 PM	01:01:45	5.69 pH	25.73 °C	66.67 µS/cm	4.52 mg/L	1.33 NTU	116.6 mV	29.80 ft	200.00 ml/min
8/19/2021 3:44 PM	01:06:45	5.68 pH	25.90 °C	67.29 µS/cm	4.50 mg/L	1.21 NTU	80.5 mV	29.80 ft	200.00 ml/min

8/19/2021 3:49 PM	01:11:45	5.69 pH	26.16 °C	68.11 µS/cm	4.39 mg/L	1.18 NTU	77.2 mV	29.80 ft	200.00 ml/min
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**Samples**

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/19/2021 2:15:11 PM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWC-20</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 20.1 ft</b> <b>Total Depth: 30.13 ft</b> <b>Initial Depth to Water: 23.12 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 25 ft</b> <b>Estimated Total Volume Pumped: 15.9 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 290 ml/min</b> <b>Final Draw Down: 0 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1515. Sunny 80s

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.3	
8/19/2021 2:15 PM	00:00	4.88 pH	27.17 °C	39.35 µS/cm	4.55 mg/L	3.79 NTU	178.2 mV	23.12 ft	290.00 ml/min
8/19/2021 2:20 PM	05:00	4.88 pH	24.29 °C	38.46 µS/cm	4.69 mg/L	2.88 NTU	127.1 mV	23.12 ft	290.00 ml/min
8/19/2021 2:25 PM	10:00	4.89 pH	24.51 °C	38.65 µS/cm	4.58 mg/L	2.20 NTU	120.2 mV	23.12 ft	290.00 ml/min
8/19/2021 2:30 PM	15:00	4.88 pH	24.45 °C	38.77 µS/cm	4.54 mg/L	1.84 NTU	119.2 mV	23.12 ft	290.00 ml/min
8/19/2021 2:35 PM	20:00	4.90 pH	24.31 °C	37.86 µS/cm	4.59 mg/L	1.18 NTU	118.5 mV	23.12 ft	290.00 ml/min
8/19/2021 2:40 PM	25:00	4.91 pH	24.11 °C	37.72 µS/cm	4.61 mg/L	0.49 NTU	117.6 mV	23.12 ft	290.00 ml/min
8/19/2021 2:45 PM	30:00	4.91 pH	23.55 °C	38.57 µS/cm	4.64 mg/L	0.42 NTU	115.8 mV	23.12 ft	290.00 ml/min
8/19/2021 2:50 PM	35:00	4.90 pH	23.68 °C	38.61 µS/cm	4.67 mg/L	0.39 NTU	117.4 mV	23.12 ft	290.00 ml/min
8/19/2021 2:55 PM	40:00	4.91 pH	23.72 °C	38.99 µS/cm	4.67 mg/L	0.35 NTU	117.8 mV	23.12 ft	290.00 ml/min
8/19/2021 3:00 PM	45:00	4.91 pH	23.74 °C	37.55 µS/cm	4.62 mg/L	0.40 NTU	117.4 mV	23.12 ft	290.00 ml/min
8/19/2021 3:05 PM	50:00	4.90 pH	23.83 °C	39.47 µS/cm	4.60 mg/L	0.42 NTU	116.6 mV	23.12 ft	290.00 ml/min
8/19/2021 3:10 PM	55:00	4.91 pH	23.59 °C	39.02 µS/cm	4.62 mg/L	0.44 NTU	118.2 mV	23.12 ft	290.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 8/19/2021 12:50:42 PM

Project: McIntosh LF4

Operator Name: Anna Schnittker

<b>Location Name: GWC-21</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 17.1 ft</b> <b>Total Depth: 27.16 ft</b> <b>Initial Depth to Water: 21.18 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 22 ft</b> <b>Estimated Total Volume Pumped: 11L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843285</b>
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## Test Notes:

Sample Time 1355. Sunny 80s

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 5	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.3	
8/19/2021 12:50 PM	00:00	4.82 pH	28.29 °C	36.15 µS/cm	3.56 mg/L	6.39 NTU	121.3 mV	21.18 ft	200.00 ml/min
8/19/2021 12:55 PM	05:00	4.80 pH	25.77 °C	37.01 µS/cm	3.33 mg/L	3.80 NTU	118.6 mV	21.40 ft	200.00 ml/min
8/19/2021 1:00 PM	10:00	4.82 pH	25.66 °C	37.14 µS/cm	3.88 mg/L	1.56 NTU	154.2 mV	21.50 ft	200.00 ml/min
8/19/2021 1:05 PM	15:00	4.83 pH	25.33 °C	36.16 µS/cm	3.79 mg/L	1.20 NTU	117.1 mV	21.60 ft	200.00 ml/min
8/19/2021 1:10 PM	20:00	4.83 pH	24.93 °C	35.39 µS/cm	3.73 mg/L	1.15 NTU	116.6 mV	21.70 ft	200.00 ml/min
8/19/2021 1:15 PM	25:00	4.79 pH	25.11 °C	37.16 µS/cm	3.37 mg/L	0.88 NTU	116.7 mV	21.70 ft	200.00 ml/min
8/19/2021 1:20 PM	30:00	4.80 pH	25.15 °C	36.44 µS/cm	3.36 mg/L	1.09 NTU	117.2 mV	21.70 ft	200.00 ml/min
8/19/2021 1:25 PM	35:00	4.84 pH	24.30 °C	35.58 µS/cm	3.37 mg/L	1.24 NTU	116.3 mV	21.70 ft	200.00 ml/min
8/19/2021 1:30 PM	40:00	4.82 pH	24.30 °C	36.08 µS/cm	3.32 mg/L	1.10 NTU	116.9 mV	21.70 ft	200.00 ml/min
8/19/2021 1:35 PM	45:00	4.82 pH	24.14 °C	37.57 µS/cm	3.21 mg/L	0.67 NTU	116.3 mV	21.70 ft	200.00 ml/min
8/19/2021 1:40 PM	50:00	4.81 pH	24.28 °C	36.34 µS/cm	3.16 mg/L	0.51 NTU	117.9 mV	21.70 ft	200.00 ml/min
8/19/2021 1:45 PM	55:00	4.81 pH	24.31 °C	36.44 µS/cm	3.17 mg/L	0.40 NTU	157.5 mV	21.70 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 8/19/2021 12:20:30 PM

**Project:** McIntosh LF4

**Operator Name:** Taylor Goble

<b>Location Name: GWC-23</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 23.7 ft</b> <b>Total Depth: 33.7 ft</b> <b>Initial Depth to Water: 29.01 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 30 ft</b> <b>Estimated Total Volume Pumped: 9.1 L</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 4 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 843593</b>
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## Test Notes:

Sampled at 1325. Mostly cloudy 91 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 0.3	+/- 10	+/- 25	+/- 5	
8/19/2021 12:20 PM	00:00	5.82 pH	31.40 °C	93.47 µS/cm	1.32 mg/L	19.40 NTU	-37.3 mV	29.38 ft	140.00 ml/min
8/19/2021 12:25 PM	05:00	5.52 pH	27.40 °C	68.04 µS/cm	1.06 mg/L	10.10 NTU	14.1 mV	29.38 ft	140.00 ml/min
8/19/2021 12:30 PM	10:00	5.27 pH	28.01 °C	44.65 µS/cm	2.95 mg/L	5.80 NTU	51.8 mV	29.38 ft	140.00 ml/min
8/19/2021 12:35 PM	15:00	5.21 pH	27.20 °C	39.72 µS/cm	4.15 mg/L	3.11 NTU	71.8 mV	29.38 ft	140.00 ml/min
8/19/2021 12:40 PM	20:00	5.19 pH	27.45 °C	39.70 µS/cm	4.45 mg/L	2.98 NTU	79.9 mV	29.38 ft	140.00 ml/min
8/19/2021 12:45 PM	25:00	5.17 pH	28.08 °C	38.03 µS/cm	4.61 mg/L	2.60 NTU	85.5 mV	29.38 ft	140.00 ml/min
8/19/2021 12:50 PM	30:00	5.15 pH	28.14 °C	36.19 µS/cm	4.95 mg/L	2.34 NTU	89.8 mV	29.38 ft	140.00 ml/min
8/19/2021 12:55 PM	35:00	5.17 pH	28.01 °C	36.23 µS/cm	4.91 mg/L	2.24 NTU	92.5 mV	29.38 ft	140.00 ml/min
8/19/2021 1:00 PM	40:00	5.17 pH	28.03 °C	35.15 µS/cm	4.98 mg/L	2.11 NTU	94.2 mV	29.38 ft	140.00 ml/min
8/19/2021 1:05 PM	45:00	5.17 pH	28.02 °C	37.33 µS/cm	4.96 mg/L	1.78 NTU	95.5 mV	29.38 ft	140.00 ml/min
8/19/2021 1:10 PM	50:00	5.17 pH	26.97 °C	36.48 µS/cm	4.96 mg/L	1.44 NTU	95.4 mV	29.38 ft	140.00 ml/min
8/19/2021 1:15 PM	55:00	5.16 pH	27.08 °C	37.54 µS/cm	4.98 mg/L	1.40 NTU	96.8 mV	29.38 ft	140.00 ml/min
8/19/2021 1:20 PM	01:00:00	5.17 pH	27.44 °C	37.26 µS/cm	4.91 mg/L	1.38 NTU	97.7 mV	29.38 ft	140.00 ml/min
8/19/2021 1:25 PM	01:05:00	5.16 pH	26.15 °C	36.98 µS/cm	5.01 mg/L	1.25 NTU	95.2 mV	29.38 ft	140.00 ml/min



# Daily Instrument Calibration Log

SITE: Plant McIntosh  
TECHNICIAN: Anna Schmittler

INSTRUMENT S/N: 15040640490  
INSTRUMENT TYPE: Hach 2100Q  
CAL. SOLUTION: 0 NTU - LOT # NA EXP. DATE: Fresh D1  
10 NTU - LOT # ~~A0231~~ A1013 EXP. DATE: ~~11/21~~ 4/22  
20 NTU - LOT # A0231 EXP. DATE: 11/21

Calibration Date: 8/17

Calibration Solution	Instrument Reading	
0.0	0.40	NTU
10.0	10.9	NTU
20.0	19.5	NTU

Calibration Date: 8/18

Calibration Solution	Instrument Reading	
0.0	0.36	NTU
10.0	10.4	NTU
20.0	20.7	NTU

Calibration Date: 8/19

Calibration Solution	Instrument Reading	
0.0	0.4	NTU
10.0	9.46	NTU
20.0	19.9	NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU



### Daily Instrument Calibration Log

SITE: Plant McIntosh  
 TECHNICIAN: Anna Schmitt  
 WATER LEVEL: Solist  
 WATER LEVEL S/N: 377060

INSTRUMENT S/N: 843285  
 INSTRUMENT TYPE: AquaTroll  
 CAL. SOLUTIONS:

ID: <u>pH 4</u>	LOT #: <u>160680</u>	EXP. DATE: <u>4/23</u>
ID: <u>pH 7</u>	LOT #: <u>21010066</u>	EXP. DATE: <u>8/22</u>
ID: <u>pH 10</u>	LOT #: <u>21080189</u>	EXP. DATE: <u>6/22</u>
ID: <u>ORP</u>	LOT #: <u>2140141</u>	EXP. DATE: <u>8/22</u>
ID: <u>Conductivity</u>	LOT #: <u>16P949</u>	EXP. DATE: <u>4/22</u>
ID:	LOT #:	EXP. DATE:
ID:	LOT #:	EXP. DATE:

Midday pH check  
 Must be less than .10  
 (6.90-7.10 range)  
 Recalibrate if not within range

Calibration Date: 8/17

RDO: 100% sat. = <u>101.56</u>				<u>Midday pH check</u>
PH: 4.00 = <u>3.94</u>	7.00 = <u>7.04</u>	10.00 = <u>9.94</u>	7.0 = <u>6.99</u>	
PH Recal (if needed): 4.00 =	7.00 =	10.00 =	7.0 =	post recal check
CONDUCTIVITY: <u>1.413</u>	= <u>1652.9</u>			
ORP (mV) <u>228</u>	<u>224</u>	= <u>222.1</u>		

Calibration Date: 8/18

RDO: 100% sat. = <u>102.80</u>				<u>Midday pH check</u>
PH: 4.00 = <u>4.06</u>	7.00 = <u>7.03</u>	10.00 = <u>10.01</u>	7.0 = <u>7.01</u>	
PH Recal (if needed): 4.00 =	7.00 =	10.00 =	7.0 =	post recal check
CONDUCTIVITY: <u>1413</u>	= <u>1322.7</u>			
ORP (mV) <u>224</u>	= <u>213.2</u>			

Calibration Date: 8/19

RDO: 100% sat. = <u>100.05</u>				<u>Midday pH check</u>
PH: 4.00 = <u>4.01</u>	7.00 = <u>6.99</u>	10.00 = <u>9.96</u>	7.0 =	
PH Recal (if needed): 4.00 =	7.00 =	10.00 =	7.0 =	post recal check
CONDUCTIVITY: <u>1413</u>	= <u>1435.5</u>			
ORP (mV) <u>225</u>	= <u>223.3</u>			

Calibration Date:

RDO: 100% sat. =				<u>Midday pH check</u>
PH: 4.00 =	7.00 =	10.00 =	7.0 =	
PH Recal (if needed): 4.00 =	7.00 =	10.00 =	7.0 =	post recal check
CONDUCTIVITY:	=			
ORP (mV)	=			

Calibration Date:

RDO: 100% sat. =				<u>Midday pH check</u>
PH: 4.00 =	7.00 =	10.00 =	7.0 =	
PH Recal (if needed): 4.00 =	7.00 =	10.00 =	7.0 =	post recal check
CONDUCTIVITY:	=			
ORP (mV)	=			



# Daily Instrument Calibration Log

SITE: Plant McIntosh  
 TECHNICIAN: T. Goble  
 WATER LEVEL: Solinst  
 WATER LEVEL S/N: 378591

INSTRUMENT S/N: 843593  
 INSTRUMENT TYPE: AquaTroll  
 CAL. SOLUTIONS: ID: PH4/4.49m LOT #: 21070193 EXP. DATE: 8/22  
 ID: PH7 LOT #: 2101006 EXP. DATE: 8/22  
 ID: PH10 LOT #: 21080189 EXP. DATE: 6/22  
 ID: ORP LOT #: 21140141 EXP. DATE: 8/22  
 ID: \_\_\_\_\_ LOT #: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ Midday pH check  
 ID: \_\_\_\_\_ LOT #: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ Must be less than .10  
 ID: \_\_\_\_\_ LOT #: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ (6.90-7.10 range)  
 Recalibrate if not within range

Calibration Date: 8-17-21  
 RDO: 100% sat. = 98.79% Midday pH check  
 PH: 4.00 = 4.03 7.00 = 7.02 10.00 = 10.00 7.0 = 7.05  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 4490 = 5018  
 ORP (mV) 228 = 223.8

Calibration Date: 8-18-21  
 RDO: 100% sat. = 98.77 Midday pH check  
 PH: 4.00 = 4.02 7.00 = 7.00 10.00 = 9.99 7.0 = 7.07  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 1460  
 ORP (mV) 228 = 221.6

Calibration Date: 8-19-21  
 RDO: 100% sat. = 102.60 Midday pH check  
 PH: 4.00 = 4.06 7.00 = 7.01 10.00 = 9.96 7.0 = 7.05  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 1399  
 ORP (mV) 228 = 224.1

Calibration Date: \_\_\_\_\_  
 RDO: 100% sat. = \_\_\_\_\_ Midday pH check  
 PH: 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: \_\_\_\_\_ = \_\_\_\_\_  
 ORP (mV) \_\_\_\_\_ = \_\_\_\_\_

Calibration Date: \_\_\_\_\_  
 RDO: 100% sat. = \_\_\_\_\_ Midday pH check  
 PH: 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: \_\_\_\_\_ = \_\_\_\_\_  
 ORP (mV) \_\_\_\_\_ = \_\_\_\_\_



# Daily Instrument Calibration Log

SITE: Plant McIntosh  
TECHNICIAN: T. Goble

INSTRUMENT S/N: 16040C049743  
INSTRUMENT TYPE: Hach 2100Q  
CAL. SOLUTION: 0 NTU - LOT # NEW DI EXP. DATE: -  
10 NTU - LOT # A1013 EXP. DATE: Apr-22  
20 NTU - LOT # 2694401 EXP. DATE: Nov-21  
A0231

Calibration Date: 8-17-21

Calibration Solution	Instrument Reading	
0.0	0.72	NTU
10.0	10.7	NTU
20.0	20.4	NTU

100 = 104  
800 = 807

Calibration Date: 8-18-21

Calibration Solution	Instrument Reading	
0.0	0.37	NTU
10.0	10.6	NTU
20.0	20.2	NTU

100 = 101  
800 = 808

Calibration Date: 8-19-21

Calibration Solution	Instrument Reading	
0.0	0.31	NTU
10.0	10.4	NTU
20.0	20.3	NTU

100 = 102  
800 = 806

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

1- <u>Location/Identification</u>		GWC-1	GWA-2	GWA-3	GWC-4A (*GWB-4A)	GWC-5 (*GWB-5)	GWC-9	GWC-10	GWC-11	GWC-12	GWA-13
a	Is the well visible and accessible?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the well properly identified with the correct well ID?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the well require protection from traffic?	No	No	No	No	No	No	No	No	No	No
d	Is the drainage around the well acceptable? (No standing water, nor is well located in obvious drainage flow path)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: \* Well shown within parentheses is proposed name change as described in 2018 permit submittal; Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

2 - Protective Outer Casing

		GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWC-11	GWC-12	GWA-13
a	Is the protective casing free from apparent damage?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the casing free of degradation or deterioration?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the casing have a functioning weep hole?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the annular space between casings filled with pea gravel or sand?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the well locked, and is the lock in good working condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

3 - Surface Pad

		GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWC-11	GWC-12	GWA-13
a	Is the well pad in good condition? (Not cracked or broken)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Does the well pad provide adequate surface seal and stability to the well?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Is the well pad in complete contact with the protective casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the well pad in complete contact with the ground surface? (Not undermined by erosion, animal burrows, and does not move when stepped on)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the pad surface clean? (Not covered by soil or debris)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".



Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

4 - Internal Well Casing

		GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWA-13	GWC-12	GWA-13
a	Does the well cap prevent entry of foreign material into the well?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the casing free of kinks or bends, or any obstruction from foreign objects (such as bailers) ?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the well have a venting hole near the top of casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the survey point clearly marked on the inner casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the depth of the well consistent with the original well log?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
f	Does the PVC casing move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction?	No	No	No	No	No	No	No	No	No	No

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

5 - Sampling (Groundwater Monitoring Wells Only):

		GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWA-13	GWC-12	GWA-13
a	Does the well recharge adequately when purged?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	If dedicated sampling equipment is installed, is it in good condition?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
c	Does the well require redevelopment due to slow recharge or turbidity > 10 NTUs?	No	No	No	No	No	No	No	No	No	No

Note: N/A - Not Applicable

6 - Based on your professional judgment, is the well construction / location appropriate to:

	GWC-1	GWA-2	GWA-3	GWC-4A (GWB-4A)	GWC-5 (GWB-5)	GWC-9	GWC-10	GWA-13	GWC-12	GWA-13
1) achieve the objectives of the facility Groundwater Monitoring Program, and 2) comply with the applicable regulatory requirements?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

7 - Corrective actions completed and Notes:

GWA-13 - Tab for locking well inspected by A. Schnittker 8/17/2021.

GWA-13 - Tab for locking well repaired by T. Goble 8/19/2021.

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

1- <u>Location/Identification</u>		GWA-14	GWC-15 (*GWB-15)	GWA-16 (*GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (*PZ-22)	GWC-23
a	Is the well visible and accessible?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the well properly identified with the correct well ID?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the well require protection from traffic?	No	No	No	No	No	No	No	No	No	No
d	Is the drainage around the well acceptable? (No standing water, nor is well located in obvious drainage flow path)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: \* Well shown within parentheses is proposed name change as described in 2018 permit submittal; Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

2 - Protective Outer Casing

		GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
a	Is the protective casing free from apparent damage?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the casing free of degradation or deterioration?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the casing have a functioning weep hole?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the annular space between casings filled with pea gravel or sand?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the well locked, and is the lock in good working condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

3 - Surface Pad

		GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
a	Is the well pad in good condition? (Not cracked or broken)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Does the well pad provide adequate surface seal and stability to the well?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Is the well pad in complete contact with the protective casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the well pad in complete contact with the ground surface? (Not undermined by erosion, animal burrows, and does not move when stepped on)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the pad surface clean? (Not covered by soil or debris)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

4 - Internal Well Casing

		GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
a	Does the well cap prevent entry of foreign material into the well?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b	Is the casing free of kinks or bends, or any obstruction from foreign objects (such as bailers) ?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
c	Does the well have a venting hole near the top of casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
d	Is the survey point clearly marked on the inner casing?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
e	Is the depth of the well consistent with the original well log?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
f	Does the PVC casing move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction?	No	No	No	No	No	No	No	No	No	No

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Facility Name: Plant McIntosh LF-4

Staff: A. Schnittker

Date: 8/17/2021

5 - Sampling (Groundwater Monitoring Wells Only):

		GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
a	Does the well recharge adequately when purged?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes
b	If dedicated sampling equipment is installed, is it in good condition?	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
c	Does the well require redevelopment due to slow recharge or turbidity > 10 NTUs?	No	No	No	No	No	No	No	No	N/A	No

Note: N/A - Not Applicable

6 - Based on your professional judgment, is the well construction / location appropriate to:

	GWA-14	GWC-15 (GWB-15)	GWA-16 (GWB-16)	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22 (PZ-22)	GWC-23
1) achieve the objectives of the facility Groundwater Monitoring Program, and 2) comply with the applicable regulatory requirements?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

7 - Corrective actions completed and Notes:

GWC-15 - Well cap hinge inspected by A. Schnittker 8/17/2021.

GWC-15 - Well cap hinge repaired by T. Goble 8/19/2021.

NOTE: Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

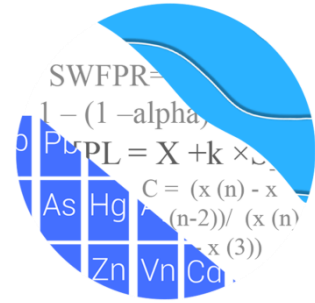
**APPENDIX B**  
**STATISTICAL ANALYSIS REPORT**



## GROUNDWATER STATS CONSULTING

August 24, 2021

Southern Company Services  
Attn: Ms. Lauren Coker  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308



Re: Plant McIntosh Landfill #4  
March 2021 Statistical Analysis

Dear Ms. Coker,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the March 2021 Semi-Annual Groundwater Detection Monitoring statistical analysis of groundwater quality for Georgia Power Company's McIntosh Landfill #4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling 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 2006. 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:** GWA-2, GWA-3, GWC-4A[\*GWB-4A], GWC-5[\*GWB-5], GWA-13, GWA-14, GWC-15[\*GWB-15], GWA-16[\*GWB-16], GWC-17, and GWC-18

- **Downgradient:** GWC-1, GWC-9, GWC-10, GWC-11, GWC-12, GWC-19, GWC-20, GWC-21, and GWC-23

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III** - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I** - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of well/constituent pairs with 100% nondetects follows this letter. Since mercury was not required by the previous permit, it was included in the time series graphs and box plots, but was not included in the statistical analysis.

Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all nondetects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair which can result in a different reporting limit for individual wells. Examples of changes in reporting limits include sulfate in well GWC-5[\*GWB-5], which decreased from 5 mg/L to 1 mg/L. This generally gives the most conservative limit in each case. 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.

Data at all wells were evaluated during the background screening in 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided in the previous screening to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

**Georgia EPD Appendix I Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan (all Georgia EPD parameters)
- # Constituents: 15 (Mercury not included)
- # Downgradient wells: 9

**CCR Appendix III Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (sulfate)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, and TDS)
- # Constituents: 7
- # Downgradient wells: 9

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 (or 1-of-3) 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 (the 1-of-3 resample plan allows up to 2 independent resamples) 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 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 provide reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than facility impact.

## **Background Screening Summary – Georgia EPD – 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 are not flagged in the database at that time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory’s Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the nondetects are replaced with the most recent reporting limit, previously flagged “J” values (or estimated values) may require flagging as outliers if they are much higher than current reporting limits. This was not required during the 2019 screening.

Of the outliers identified by Tukey’s method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported nondetects. Several other values were flagged in addition to those identified by Tukey’s because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. All flagged values were re-evaluated during the June 2020 analysis. An additional value of cobalt was flagged in well GWC-21. Values for several constituents were unflagged when they were only slightly higher than other detected values and appeared to represent natural variation. The resulting prediction limits will still be conservative, yet less prone to false positives. 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 is applied when varying detection limits exist in the data.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

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 are deselected as necessary. A few statistically significant increasing trends were noted for barium in wells GWA-2, GWC-1, and GWC-5 (formerly GWB-5) and adjustments were made to eliminate the trend. The trend test results were included with the screening report, and a summary report of special cases of date ranges used in construction of the statistical limits follows this report.

#### 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 significant differences among upgradient well data for: arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, nickel, and thallium. No significant differences were noted for antimony, lead, selenium, vanadium, and zinc. The ANOVA could not test silver as there was no variation in the measurements among the upgradient wells.

Where variation is not identified, this suggests that interwell analysis would be the most appropriate statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level concentrations, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

## **Background Update Summary – CCR – Conducted in March 2020**

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data from all wells for intrawell parameters (sulfate) and upgradient wells for interwell parameters (boron, calcium, chloride, fluoride, pH, and TDS) through September 2019. Tukey's test noted potential outliers for all parameters except boron and fluoride, but not all of these values were flagged as most appeared to be representative of natural variation. Only values for sulfate in upgradient well GSC-18 and downgradient well GWC-23 were flagged. As mentioned above, any flagged data 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.

For constituents requiring intrawell prediction limits (only sulfate in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through April 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the following well/constituent pairs: sulfate in downgradient wells GWC-19, GWC-20, GWC-21, and GWC-23.

Typically, when the test concludes that the medians of the two groups are 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. The more recent sulfate concentrations in all four cases with statistically significant Mann-Whitney results tended toward more stable concentrations at slightly lower levels than before; therefore, all four cases were updated and a summary of these results was included in the March 2020 background update.

## **Statistical Analysis of Georgia EPD Appendix I Constituents – March 2021**

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from



across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-3 resample plan, were constructed using all available data, except for the cases mentioned above, within each well with detections through July 2018 (Figure D). Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. As mentioned above, no statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-3 resample plan allows for collection of two additional samples to determine whether the initial exceedance is confirmed. When the 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 any 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 of prediction limits follows this report (Figure D). Statistical exceedances were noted for the following well/constituent pairs:

- Barium: GWA-13 (upgradient) and GWC-9
- Chromium: GWC-23

Following the two-step analysis procedure, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the intrawell prediction limit exceedances for the downgradient well/constituent pairs mentioned above (Figure E). The reported measurements of 0.041 mg/L for barium in downgradient well GWC-9 and 0.0027 mg/L for chromium in downgradient well GWC-23 were within the respective interwell prediction limits of 0.079 mg/L and 0.024 mg/L; therefore, no further action is necessary.

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (Figure F). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this report (Figure F). The following statistically significant trends were noted:

#### Increasing

- Barium: GWA-2 (upgradient), GWC-5[GWB-5] (upgradient), and GWC-9
- Chromium: GWC-18 (upgradient)

#### Decreasing

- Barium: GWC-18 (upgradient)
- Chromium: GWA-2 (upgradient)

### **Statistical Analysis of CCR Appendix III Parameters – March 2021**

For sulfate, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (Figure G). As mentioned above, intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. A recent update to the Sanitas statistical software for the calculation of Kaplan-Meier nondetect adjustment resulted in a slight change to the historical prediction limit for sulfate in well GWA-3 of 1.244 mg/L to 1.256 mg/L.

For boron, calcium, chloride, fluoride, pH, and TDS, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through March 2021 (Figure H). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs). Note that for TDS, a nonparametric prediction limit was used in lieu of a parametric limit due to the variation among upgradient wells and in an effort to reduce the number of false positive results.

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. Summary tables of the Appendix III prediction limits follow this letter (Figures G and H). No apparent intrawell or interwell prediction limit exceedances were noted; therefore, no further action was necessary.

While this step was necessary for the Appendix III parameters, when data from downgradient well/constituent pairs are found to exceed their respective prediction limits, data are further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant McIntosh's Landfill #4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Abdul Diane  
Groundwater Analyst



Kristina Rayner  
Groundwater Statistician

# 100% Non-Detects: Appendix I

Analysis Run 4/27/2021 2:14 PM View: 100% ND  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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Antimony (mg/L)

GWA-16[\*GWB-16], GWC-1, GWC-10, GWC-11, GWC-12, GWC-15[\*GWB-15], GWC-17, GWC-19, GWC-20, GWC-21, GWC-23, GWC-4A[\*GWB-4A], GWC-5[\*GWB-5], GWC-9

Arsenic (mg/L)

GWA-2, GWC-1

Cadmium (mg/L)

GWA-2, GWA-3, GWC-1, GWC-10, GWC-11, GWC-12, GWC-15[\*GWB-15], GWC-5[\*GWB-5], GWC-9

Copper (mg/L)

GWC-10

Lead (mg/L)

GWA-2, GWA-3, GWC-1, GWC-10, GWC-12, GWC-15[\*GWB-15], GWC-17, GWC-19, GWC-9

Selenium (mg/L)

GWA-14, GWC-12, GWC-17, GWC-23

Silver (mg/L)

GWA-13, GWA-14, GWA-16[\*GWB-16], GWA-2, GWA-3, GWC-1, GWC-10, GWC-12, GWC-15[\*GWB-15], GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-23, GWC-4A[\*GWB-4A], GWC-5[\*GWB-5], GWC-9

Thallium (mg/L)

GWC-1, GWC-15[\*GWB-15]

# Date Ranges

Date: 4/27/2021 11:18 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Barium (mg/L)

GWA-2 background: 1/16/2015-7/11/2018

GWC-1 background: 1/20/2013-1/11/2018

GWC-5[\*GWB-5] background: 1/19/2013-7/11/2018

# Appendix I Intrawell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWA-13	0.01736	n/a	3/16/2021	0.018	Yes	16	0.001248	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.03144	n/a	3/17/2021	0.041	Yes	37	0.004605	0	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-23	0.0025	n/a	3/17/2021	0.0027	Yes	11	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

# Appendix I Intra Well Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-13	0.002	n/a	3/16/2021	0.002ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-14	0.002	n/a	3/16/2021	0.002ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-2	0.002	n/a	3/16/2021	0.002ND	No	37	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.0022	n/a	3/16/2021	0.002ND	No	37	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.002	n/a	3/17/2021	0.002ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-13	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-14	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-16[*GWB-16]	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.001	n/a	3/16/2021	0.001ND	No	36	n/a	94.44	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0013	n/a	3/16/2021	0.00069J	No	37	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	3/17/2021	0.0014	No	37	n/a	70.27	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.001	n/a	3/16/2021	0.001ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15[*GWB-15]	0.001	n/a	3/17/2021	0.001ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-17	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001229	n/a	3/17/2021	0.00072J	No	16	0.0002231	31.25	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-19	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-21	0.0022	n/a	3/17/2021	0.001ND	No	16	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001734	n/a	3/17/2021	0.001ND	No	11	0.006873	45.45	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-4A[*GWB-4A]	0.0027	n/a	3/17/2021	0.001ND	No	37	n/a	75.68	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5[*GWB-5]	0.0027	n/a	3/17/2021	0.001ND	No	39	n/a	94.87	n/a	n/a	0.0008849	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.001	n/a	3/17/2021	0.001ND	No	37	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
<b>Barium (mg/L)</b>	<b>GWA-13</b>	<b>0.01736</b>	<b>n/a</b>	<b>3/16/2021</b>	<b>0.018</b>	<b>Yes</b>	<b>16</b>	<b>0.001248</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Barium (mg/L)	GWA-14	0.018	n/a	3/16/2021	0.013	No	16	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWA-16[*GWB-16]	0.02941	n/a	3/16/2021	0.025	No	16	0.002701	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-2	0.036	n/a	3/16/2021	0.035	No	14	0.000007789	0	None	x^3	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-3	0.02553	n/a	3/16/2021	0.015	No	34	0.02092	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-1	0.05613	n/a	3/16/2021	0.039	No	18	0.008527	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.03867	n/a	3/16/2021	0.019	No	37	0.3426	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.026	n/a	3/17/2021	0.016	No	36	n/a	0	n/a	n/a	0.000111	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.01492	n/a	3/16/2021	0.01	No	37	0.001788	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-15[*GWB-15]	0.02811	n/a	3/17/2021	0.028	No	16	0.001826	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-17	0.02102	n/a	3/16/2021	0.017	No	16	0.001626	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.05567	n/a	3/17/2021	0.013	No	16	0.01398	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.057	n/a	3/16/2021	0.0099J	No	16	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-20	0.04774	n/a	3/16/2021	0.016	No	16	0.3019	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-21	0.02848	n/a	3/17/2021	0.019	No	16	0.2397	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.08327	n/a	3/17/2021	0.024	No	11	0.01433	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-4A[*GWB-4A]	0.03562	n/a	3/17/2021	0.014	No	37	0.007165	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-5[*GWB-5]	0.06741	n/a	3/17/2021	0.04	No	19	0.014	0	None	No	0.0003901	Param Intra 1 of 3
<b>Barium (mg/L)</b>	<b>GWC-9</b>	<b>0.03144</b>	<b>n/a</b>	<b>3/17/2021</b>	<b>0.041</b>	<b>Yes</b>	<b>37</b>	<b>0.004605</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Beryllium (mg/L)	GWA-13	0.0025	n/a	3/16/2021	0.0002J	No	15	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-14	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	n/a	3/16/2021	0.0025ND	No	37	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-3	0.0025	n/a	3/16/2021	0.0025ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-1	0.0025	n/a	3/16/2021	0.00022J	No	37	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0025	n/a	3/16/2021	0.00033J	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.0025	n/a	3/17/2021	0.00048J	No	37	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0025	n/a	3/16/2021	0.00037J	No	37	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-17	0.0006922	n/a	3/16/2021	0.00062J	No	15	0.00006281	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWC-18	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.0025	n/a	3/16/2021	0.00024J	No	16	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-20	0.0025	n/a	3/16/2021	0.00022J	No	16	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.0025	n/a	3/17/2021	0.00018J	No	11	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	3/17/2021	0.0025ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5[*GWB-5]	0.0025	n/a	3/17/2021	0.0025ND	No	39	n/a	92.31	n/a	n/a	0.0008849	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0025	n/a	3/17/2021	0.00024J	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-13	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-14	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-17	0.000773	n/a	3/16/2021	0.00057J	No	16	0.00009557	0	None	No	0.0003901	Param Intra 1 of 3
Cadmium (mg/L)	GWC-18	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-19	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-20	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-21	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-23	0.0025	n/a	3/17/2021	0.0025ND	No	11	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	3/17/2021	0.0025ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-13	0.0094	n/a	3/16/2021	0.002ND	No	14	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-14	0.0047	n/a	3/16/2021	0.002ND	No	15	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-16[*GWB-16]	0.003104	n/a	3/16/2021	0.0017J	No	15	0.01054	46.67	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-2	0.002707	n/a	3/16/2021	0.0015J	No	36	0.007574	22.22	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-3	0.002978	n/a	3/16/2021	0.0015J	No	36	0.4922	33.33	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-1	0.005	n/a	3/16/2021	0.002ND	No	37	n/a	35.14	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-10	0.01	n/a	3/16/2021	0.0054	No	37	n/a	24.32	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.009367	n/a	3/17/2021	0.0031	No	37	0.002115	2.703	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-12	0.01	n/a	3/16/2021	0.0019J	No	37	n/a	21.62	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-15[*GWB-15]	0.0051	n/a	3/17/2021	0.002ND	No	15	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-17	0.01	n/a	3/16/2021	0.0031	No	15	n/a	33.33	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-18	0.004525	n/a	3/17/2021	0.0027	No	15	0.3833	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-19	0.00396	n/a	3/16/2021	0.0017J	No	15	0.3916	13.33	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-20	0.005	n/a	3/16/2021	0.002ND	No	15	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.0044	n/a	3/17/2021	0.002ND	No	14	n/a	85.71	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
<b>Chromium (mg/L)</b>	<b>GWC-23</b>	<b>0.0025</b>	<b>n/a</b>	<b>3/17/2021</b>	<b>0.0027</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>81.82</b>	<b>n/a</b>	<b>n/a</b>	<b>0.002806</b>	<b>NP Intra (NDs) 1 of 3</b>
Chromium (mg/L)	GWC-4A[*GWB-4A]	0.0096	n/a	3/17/2021	0.002ND	No	37	n/a	67.57	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5[*GWB-5]	0.0054	n/a	3/17/2021	0.002ND	No	38	n/a	65.79	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-9	0.0043	n/a	3/17/2021	0.002ND	No	36	n/a	63.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-13	0.002313	n/a	3/16/2021	0.0005J	No	16	0.009318	12.5	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-14	0.0025	n/a	3/16/2021	0.00035J	No	16	n/a	43.75	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWA-16[*GWB-16]	0.001798	n/a	3/16/2021	0.00047J	No	16	0.5015	6.25	None	ln(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-2	0.01	n/a	3/16/2021	0.0013J	No	37	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0025	n/a	3/16/2021	0.00033J	No	36	n/a	88.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-1	0.0025	n/a	3/16/2021	0.0017J	No	37	n/a	51.35	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.0025	n/a	3/16/2021	0.0025ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.0071	n/a	3/17/2021	0.00016J	No	37	n/a	81.08	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.012	n/a	3/16/2021	0.00058J	No	37	n/a	54.05	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	3/17/2021	0.0004J	No	16	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-17	0.002397	n/a	3/16/2021	0.00027J	No	16	0.0006723	12.5	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-18	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-20	0.007687	n/a	3/16/2021	0.0009J	No	16	0.00223	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-21	0.002328	n/a	3/17/2021	0.00092J	No	15	0.0003563	6.667	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-23	0.01056	n/a	3/17/2021	0.0035	No	11	0.001944	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-4A[*GWB-4A]	0.013	n/a	3/17/2021	0.0014J	No	37	n/a	59.46	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5[*GWB-5]	0.011	n/a	3/17/2021	0.00083J	No	39	n/a	51.28	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.0055	n/a	3/17/2021	0.00092J	No	37	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-13	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-14	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-16[*GWB-16]	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-2	0.003	n/a	3/16/2021	0.002ND	No	31	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0034	n/a	3/16/2021	0.002ND	No	30	n/a	90	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-1	0.002	n/a	3/16/2021	0.002ND	No	30	n/a	100	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.0027	n/a	3/17/2021	0.0019J	No	31	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.002	n/a	3/16/2021	0.002ND	No	31	n/a	100	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15[*GWB-15]	0.002	n/a	3/17/2021	0.002ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.0021	n/a	3/16/2021	0.002ND	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-18	0.002	n/a	3/17/2021	0.001J	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-19	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-21	0.002	n/a	3/17/2021	0.002ND	No	9	n/a	77.78	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	n/a	3/17/2021	0.002ND	No	5	n/a	80	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	3/17/2021	0.0012J	No	31	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5[*GWB-5]	0.0021	n/a	3/17/2021	0.002ND	No	31	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0021	n/a	3/17/2021	0.002ND	No	31	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-13	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-14	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-16[*GWB-16]	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.001	n/a	3/17/2021	0.00031J	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.001	n/a	3/17/2021	0.00015J	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-21	0.001	n/a	3/17/2021	0.001ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-23	0.001	n/a	3/17/2021	0.001ND	No	11	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	3/17/2021	0.001ND	No	37	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5[*GWB-5]	0.001	n/a	3/17/2021	0.001ND	No	39	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3





# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-4A[*GWB-4A]	0.0033	n/a	3/17/2021	0.001ND	No	31	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5[*GWB-5]	0.0035	n/a	3/17/2021	0.001ND	No	31	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0091	n/a	3/17/2021	0.001ND	No	31	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-13	0.00446	n/a	3/16/2021	0.005ND	No	10	0.0006491	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-14	0.01002	n/a	3/16/2021	0.007	No	10	0.437	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-16[*GWB-16]	0.005037	n/a	3/16/2021	0.005	No	10	0.000549	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	n/a	3/16/2021	0.0045J	No	31	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWA-3	0.045	n/a	3/16/2021	0.0035J	No	30	n/a	43.33	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-1	0.02	n/a	3/16/2021	0.0047J	No	30	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-10	0.019	n/a	3/16/2021	0.005ND	No	31	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.0089	n/a	3/17/2021	0.0032J	No	30	n/a	66.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005828	n/a	3/16/2021	0.005ND	No	31	0.01782	32.26	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-15[*GWB-15]	0.01135	n/a	3/17/2021	0.0063	No	10	0.4242	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-17	0.02	n/a	3/16/2021	0.006	No	10	n/a	30	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-18	0.01755	n/a	3/17/2021	0.0032J	No	10	0.7436	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-19	0.009538	n/a	3/16/2021	0.005ND	No	10	0.01719	40	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-20	0.008421	n/a	3/16/2021	0.005ND	No	10	0.001609	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-21	0.008437	n/a	3/17/2021	0.005ND	No	10	0.002548	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-23	0.02	n/a	3/17/2021	0.0033J	No	5	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-4A[*GWB-4A]	0.02	n/a	3/17/2021	0.0039J	No	30	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-5[*GWB-5]	0.017	n/a	3/17/2021	0.0041J	No	31	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-9	0.0077	n/a	3/17/2021	0.005ND	No	31	n/a	64.52	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3

# Appendix I Interwell Prediction Limits (Intrawell Exceedances) - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 5/3/2021, 10:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-9	0.079	n/a	3/17/2021	0.041	No	302	n/a	n/a	0	n/a	n/a	7.3e-7	NP Inter (normality) 1 of 3
Chromium (mg/L)	GWC-23	0.024	n/a	3/17/2021	0.0027	No	296	n/a	n/a	47.64	n/a	n/a	7.3e-7	NP Inter (normality) 1 of 3

# Appendix I Trend Tests - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 5/3/2021, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-2 (bg)	0.001402	6.544	2.58	Yes	43	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-18 (bg)	-0.007274	-192	-92	Yes	22	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-5[*GWB-5] (bg)	0.002098	6.625	2.58	Yes	44	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-9	0.0006186	2.973	2.58	Yes	43	0	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2 (bg)	-0.00005169	-3.161	-2.58	Yes	42	21.43	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-18 (bg)	0.0002167	97	87	Yes	21	0	n/a	n/a	0.01	NP

# Appendix I Trend Tests - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 5/3/2021, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-13 (bg)	0	24	92	No	22	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-14 (bg)	-0.0002649	-37	-92	No	22	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-16[*GWB-16] (bg)	-0.0006279	-51	-92	No	22	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.001402</b>	<b>6.544</b>	<b>2.58</b>	<b>Yes</b>	<b>43</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWA-3 (bg)	0	-13	-223	No	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-15[*GWB-15] (bg)	0	-23	-92	No	22	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-17 (bg)	-0.0003179	-56	-92	No	22	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWC-18 (bg)</b>	<b>-0.007274</b>	<b>-192</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWC-4A[*GWB-4A] (bg)	-0.0004375	-1.97	-2.58	No	43	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWC-5[*GWB-5] (bg)</b>	<b>0.002098</b>	<b>6.625</b>	<b>2.58</b>	<b>Yes</b>	<b>44</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWC-9</b>	<b>0.0006186</b>	<b>2.973</b>	<b>2.58</b>	<b>Yes</b>	<b>43</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium (mg/L)	GWA-13 (bg)	0	-10	-81	No	20	65	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-14 (bg)	0	21	87	No	21	85.71	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-16[*GWB-16] (bg)	0	1	87	No	21	38.1	n/a	n/a	0.01	NP
<b>Chromium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>-0.00005169</b>	<b>-3.161</b>	<b>-2.58</b>	<b>Yes</b>	<b>42</b>	<b>21.43</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium (mg/L)	GWA-3 (bg)	-0.00002819	-2.28	-2.58	No	42	35.71	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-15[*GWB-15] (bg)	0	-8	-87	No	21	61.9	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-17 (bg)	0	-10	-87	No	21	23.81	n/a	n/a	0.01	NP
<b>Chromium (mg/L)</b>	<b>GWC-18 (bg)</b>	<b>0.0002167</b>	<b>97</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium (mg/L)	GWC-23	0	23	63	No	17	64.71	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-4A[*GWB-4A] (bg)	0	-0.4796	-2.58	No	43	69.77	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-5[*GWB-5] (bg)	0	-0.3236	-2.58	No	44	68.18	n/a	n/a	0.01	NP

# Appendix III Intrawell Prediction Limit - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 4:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-13	1.2	n/a	3/16/2021	1ND	No	14	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	6.271	n/a	3/16/2021	1ND	No	14	0.2915	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16[*GWB-16]	1	n/a	3/16/2021	1ND	No	14	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.685	n/a	3/16/2021	1ND	No	14	0.2566	50	Kaplan-Meier	ln(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	1.256	n/a	3/16/2021	1ND	No	14	0.1443	42.86	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.516	n/a	3/16/2021	1.6	No	14	0.4296	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	6.13	n/a	3/16/2021	2.4	No	14	1.048	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.226	n/a	3/17/2021	5.6	No	14	0.6784	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	3/16/2021	1ND	No	14	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-15[*GWB-15]	1.2	n/a	3/17/2021	1ND	No	14	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	2.718	n/a	3/16/2021	1ND	No	14	0.2368	35.71	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	5.927	n/a	3/17/2021	3.5	No	14	0.4701	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	3.003	n/a	3/16/2021	1.9	No	14	0.4348	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	5.519	n/a	3/16/2021	0.98J	No	14	0.4024	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.925	n/a	3/17/2021	1ND	No	14	0.3353	14.29	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	3.792	n/a	3/17/2021	1.8	No	13	0.485	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-4A[*GWB-4A]	14.53	n/a	3/17/2021	3.5	No	14	2.873	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5[*GWB-5]	1	n/a	3/17/2021	1ND	No	14	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.571	n/a	3/17/2021	1ND	No	14	0.2332	28.57	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2

# Appendix III Interwell Prediction Limit - All Results (No Significant)

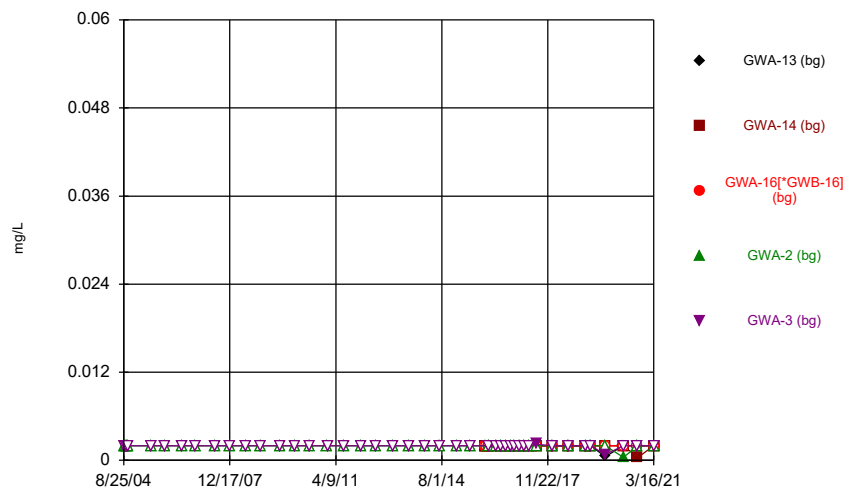
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 4:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.08	n/a	3/16/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.08	n/a	3/16/2021	0.045J	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.08	n/a	3/17/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.08	n/a	3/16/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.08	n/a	3/16/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.08	n/a	3/16/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.08	n/a	3/17/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.08	n/a	3/17/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.08	n/a	3/17/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	3/16/2021	1.6	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	3/16/2021	18	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	3/17/2021	14	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	3/16/2021	0.62	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	3/16/2021	7	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	3/16/2021	1.4	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	3/17/2021	1.1	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	3/17/2021	0.99	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	3/17/2021	0.51	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	18	n/a	3/16/2021	5.8	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	18	n/a	3/16/2021	7.2	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	18	n/a	3/17/2021	4.6	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	18	n/a	3/16/2021	3.8	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	18	n/a	3/16/2021	6.5	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	18	n/a	3/16/2021	8	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	18	n/a	3/17/2021	6.7	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	18	n/a	3/17/2021	5.5	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	18	n/a	3/17/2021	9.5	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.74	n/a	3/16/2021	0.1ND	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	3/16/2021	0.18	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	3/17/2021	0.28	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	3/16/2021	0.1ND	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	3/16/2021	0.092J	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	3/16/2021	0.04J	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	3/17/2021	0.1ND	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	3/17/2021	0.1ND	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	3/17/2021	0.035J	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	3/16/2021	4.89	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-10	7.1	4.21	3/16/2021	6.48	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-11	7.1	4.21	3/17/2021	6.58	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-12	7.1	4.21	3/16/2021	4.97	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-19	7.1	4.21	3/16/2021	5.45	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-20	7.1	4.21	3/16/2021	4.78	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-21	7.1	4.21	3/17/2021	4.8	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-23	7.1	4.21	3/17/2021	4.97	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-9	7.1	4.21	3/17/2021	4.69	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-1	150	n/a	3/16/2021	29	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	3/16/2021	130	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	3/17/2021	81	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	3/16/2021	19	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	3/16/2021	65	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	3/16/2021	37	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	3/17/2021	24	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	3/17/2021	24	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	3/17/2021	40	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2

FIGURE A.

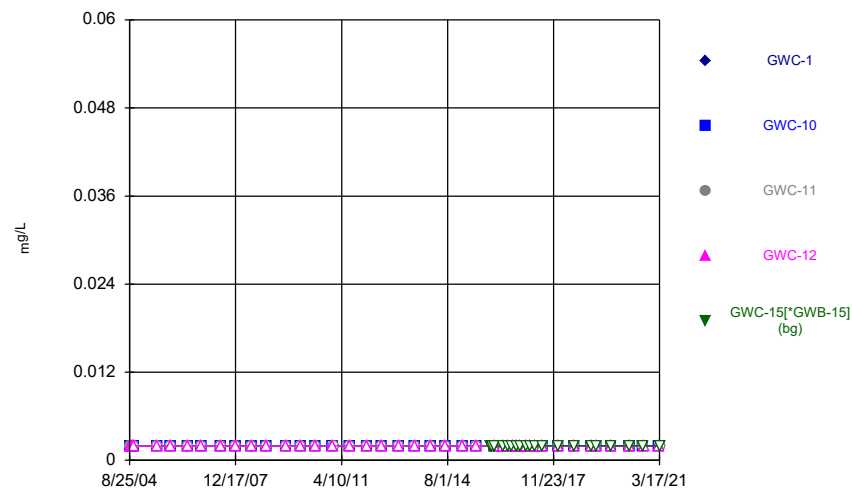


### Time Series



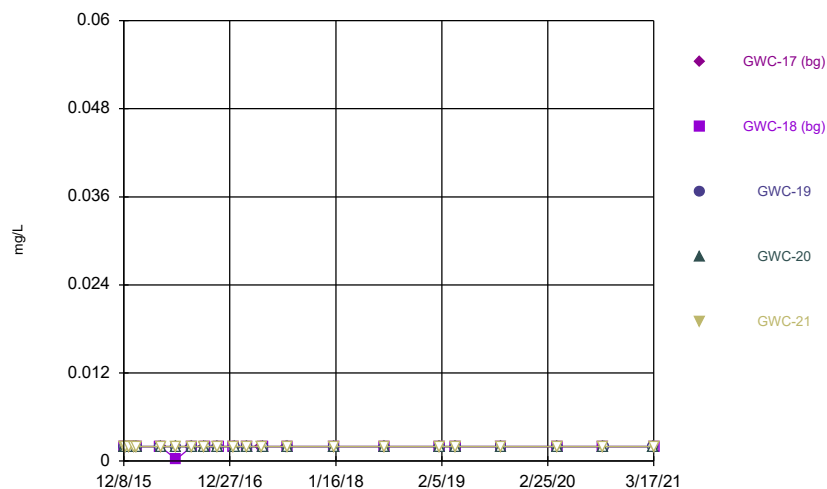
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



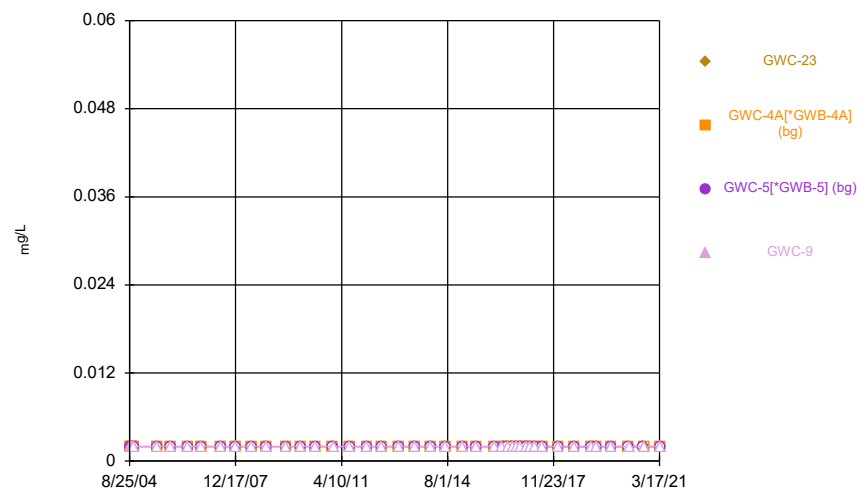
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



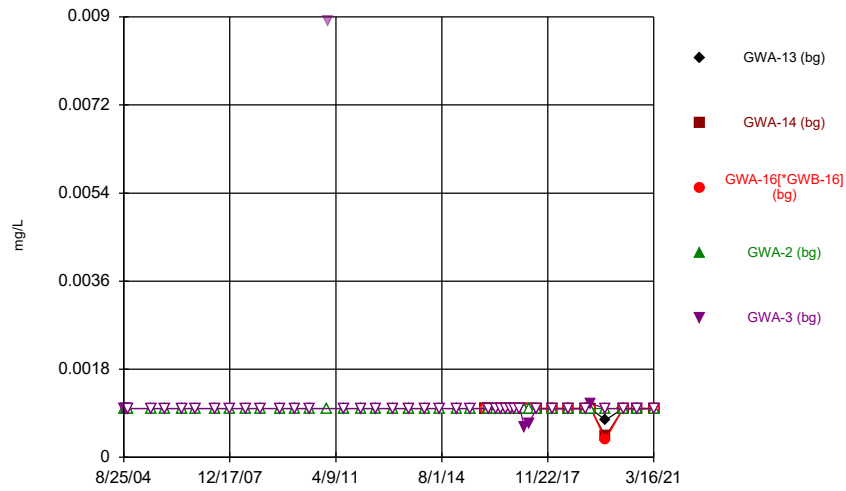
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



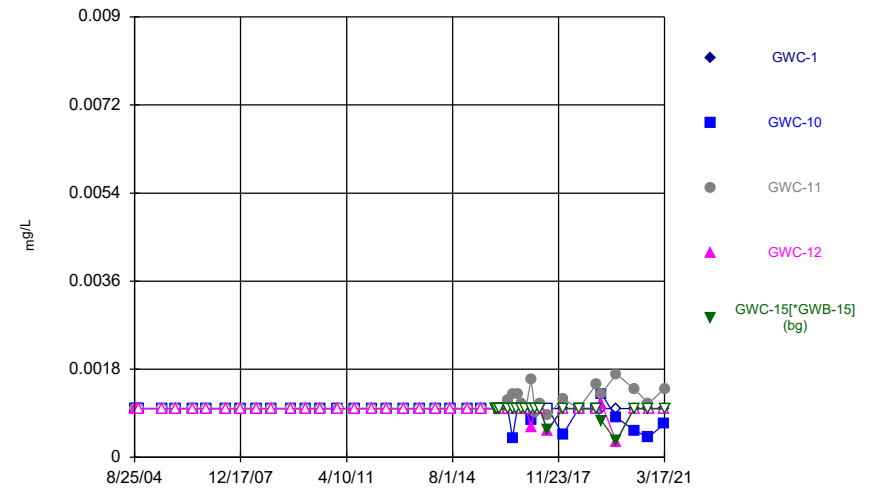
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



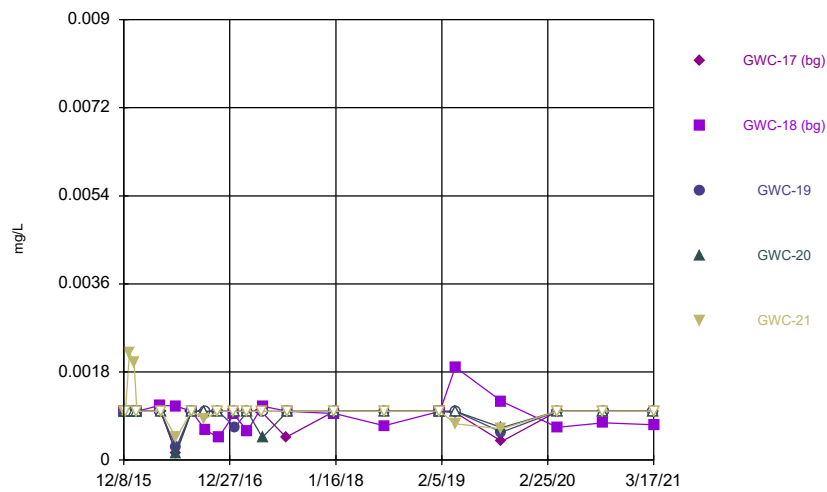
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



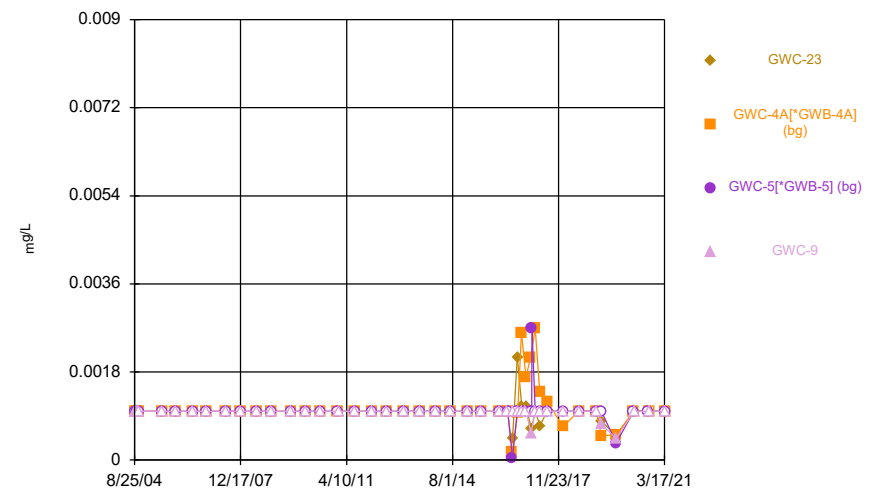
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



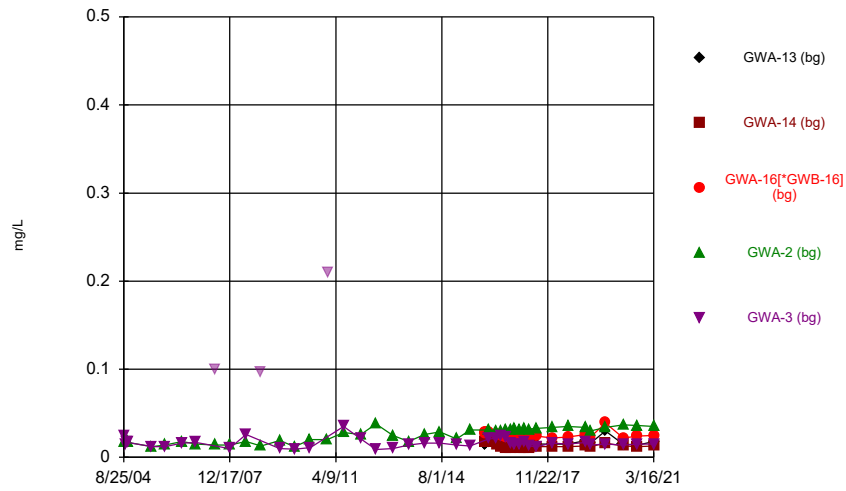
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



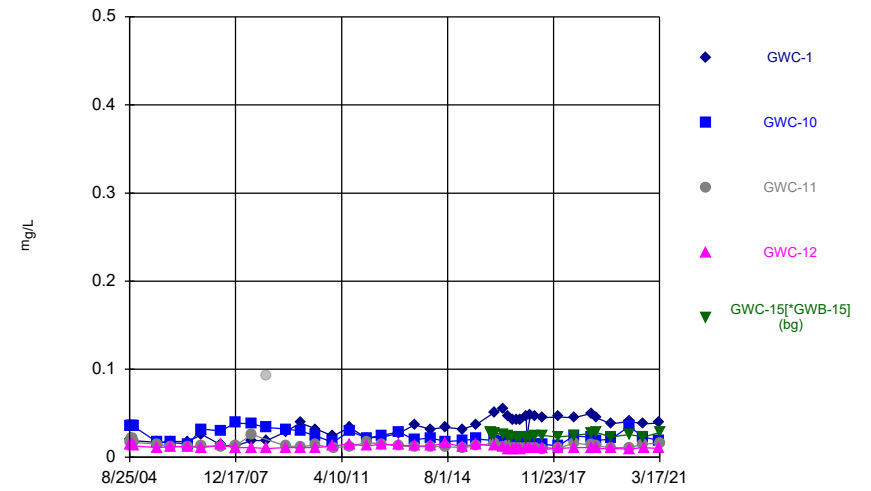
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



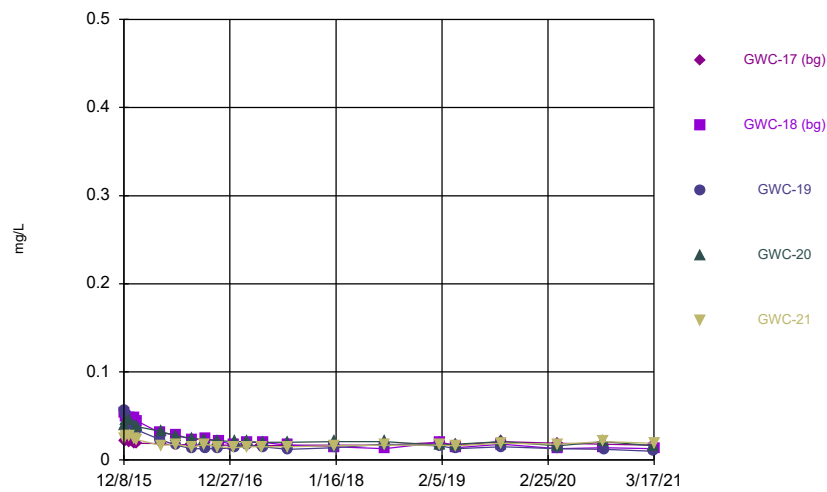
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



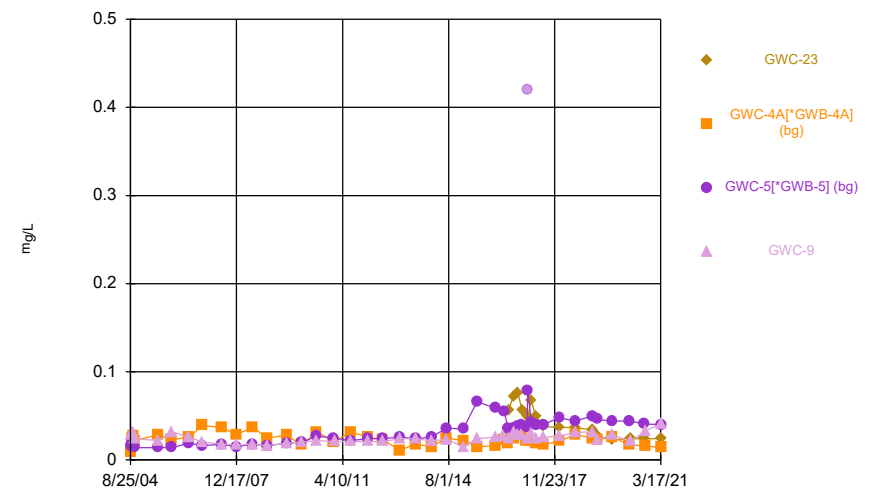
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Time Series



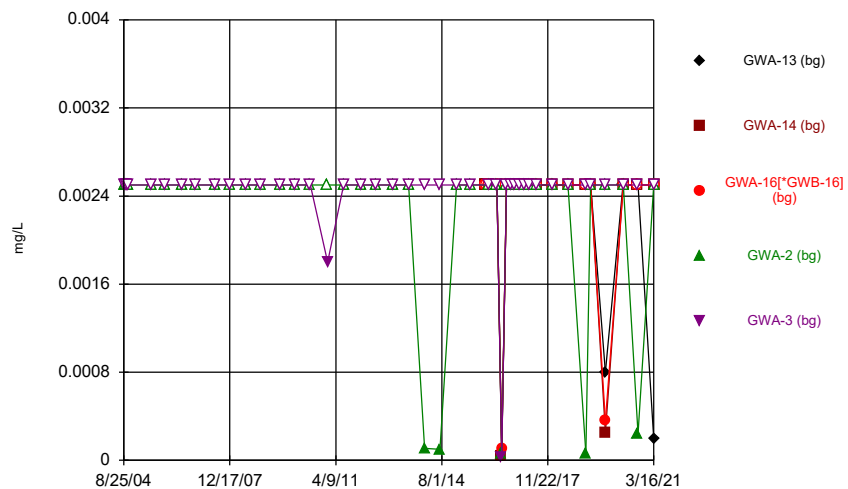
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Time Series



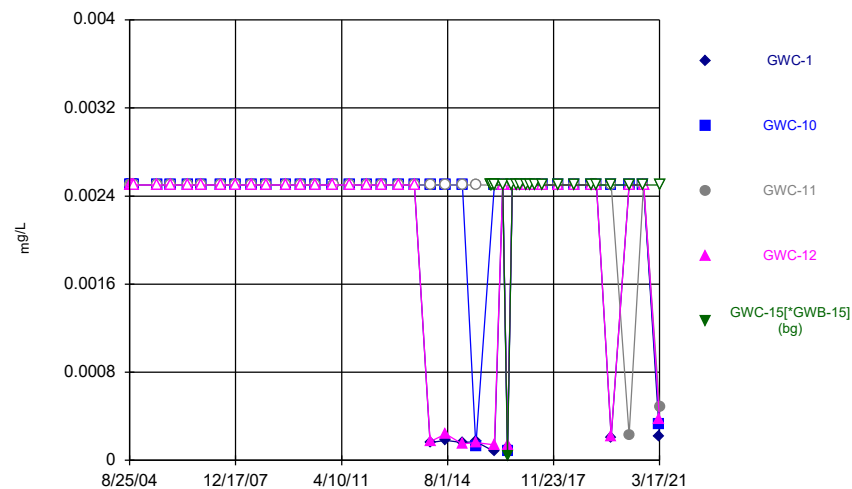
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### Time Series



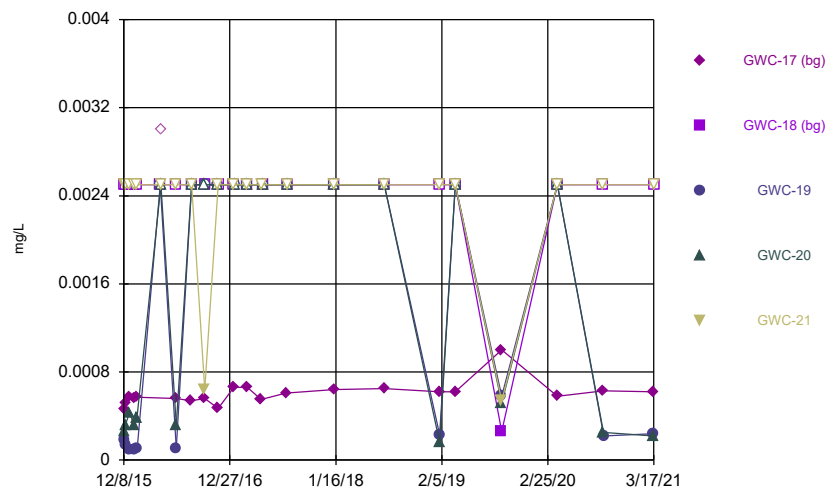
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



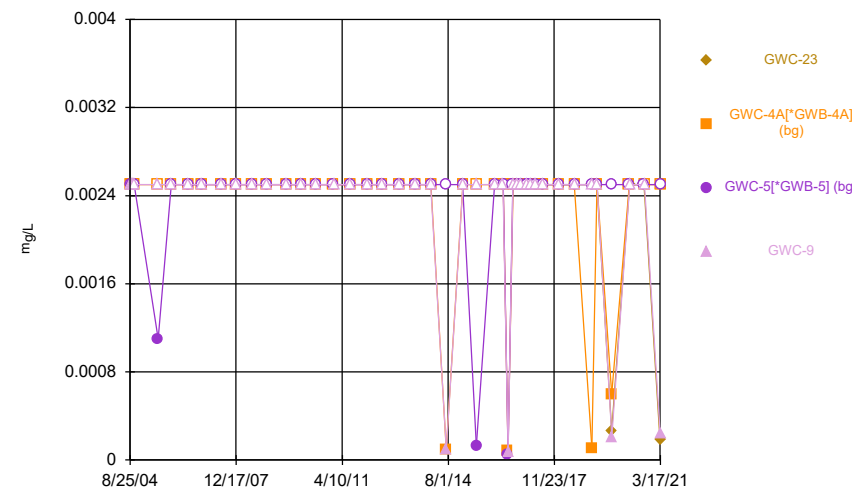
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



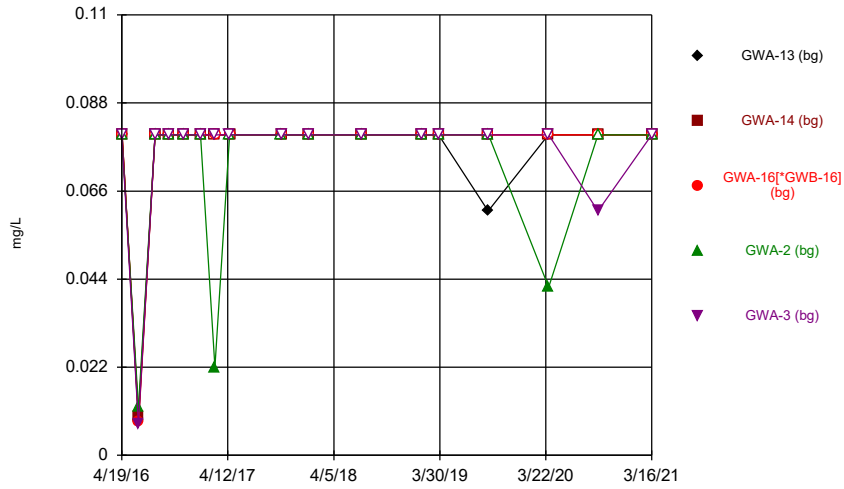
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



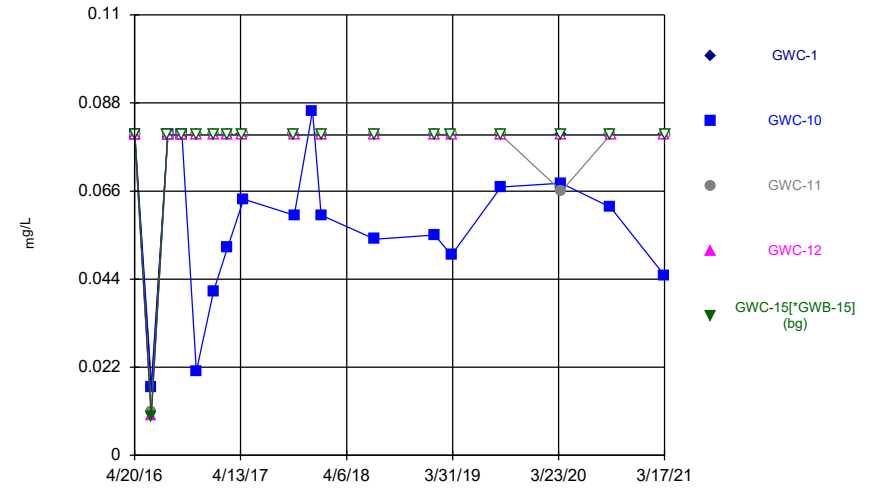
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



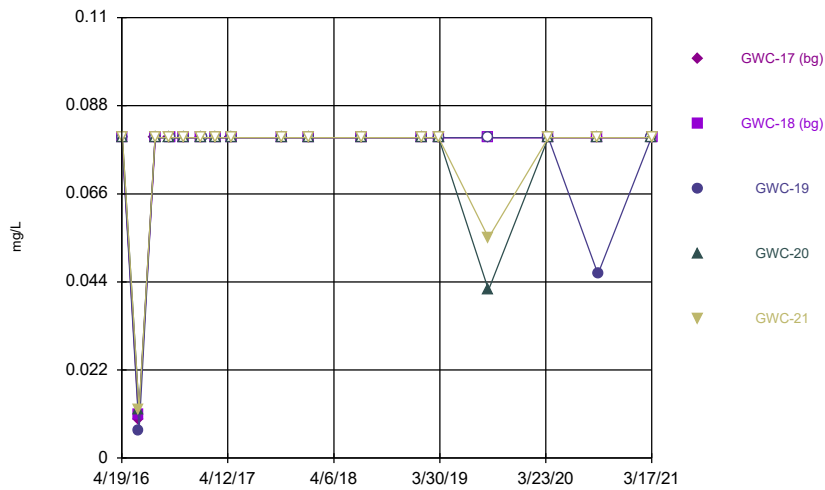
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



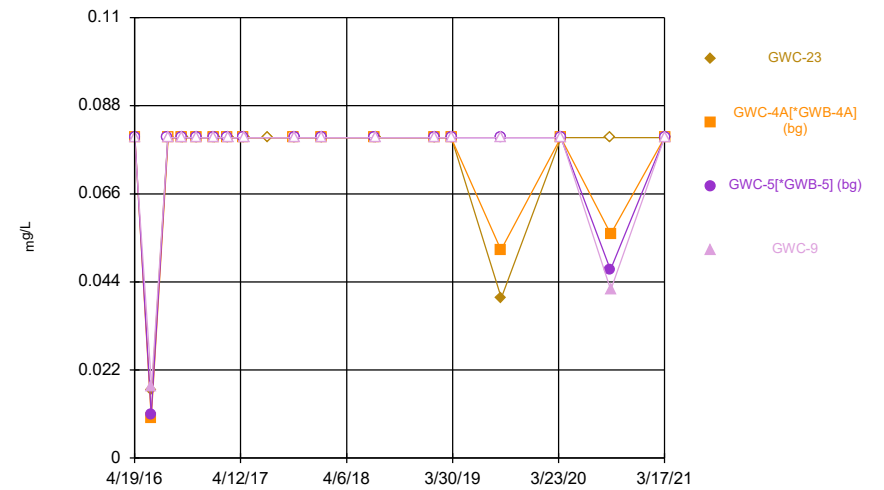
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



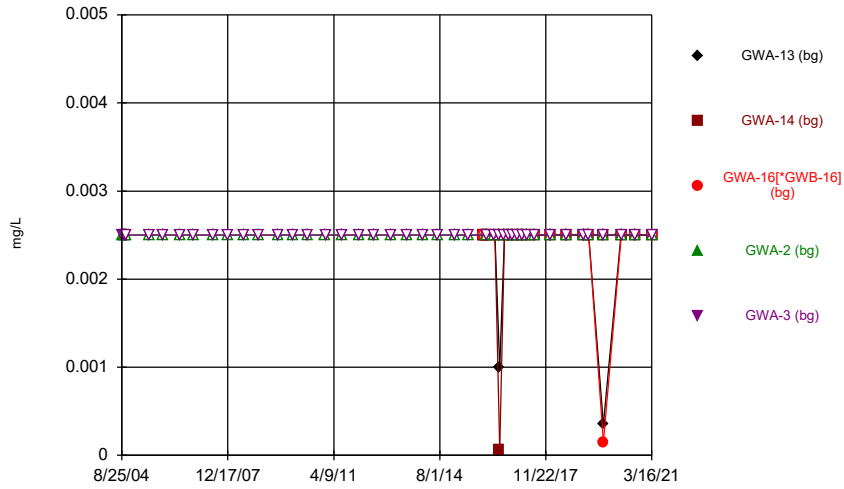
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



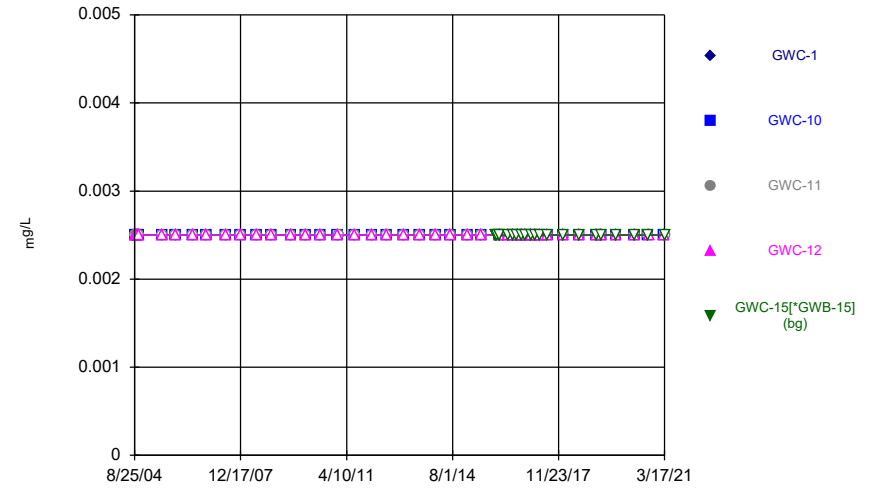
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



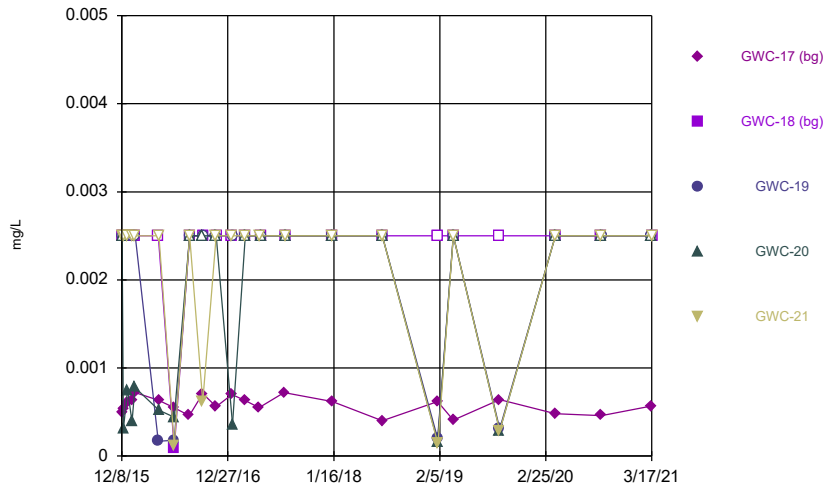
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



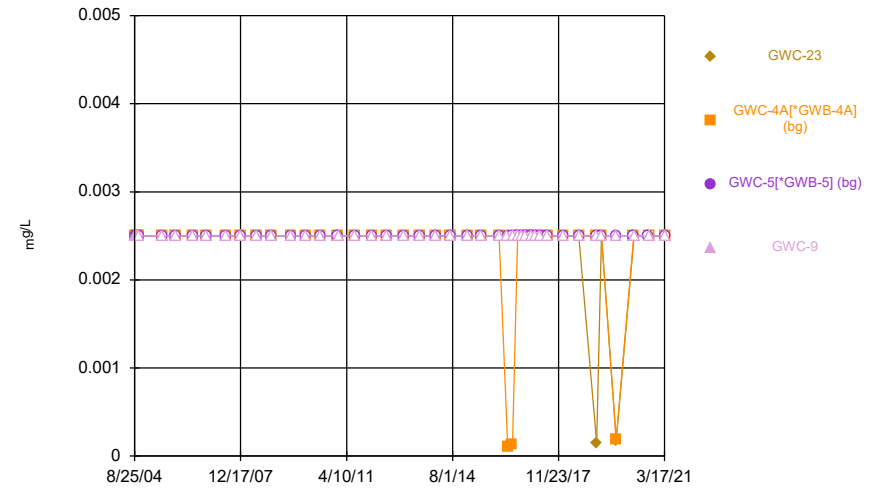
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### Time Series



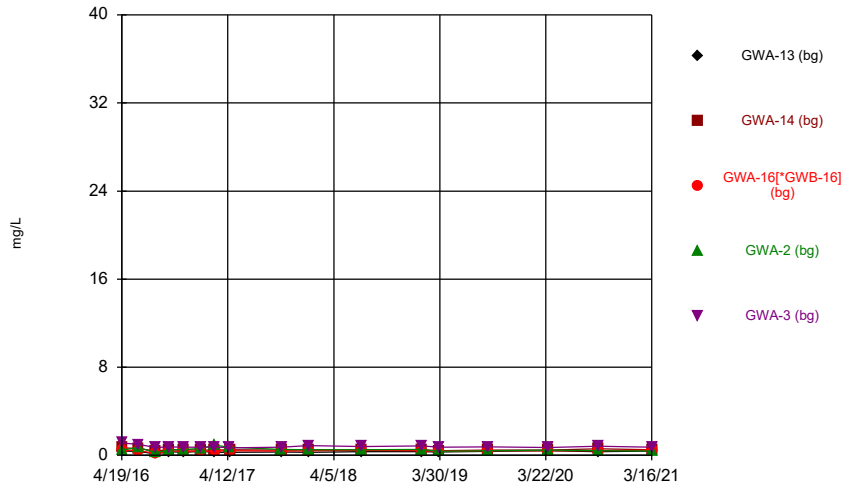
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### Time Series



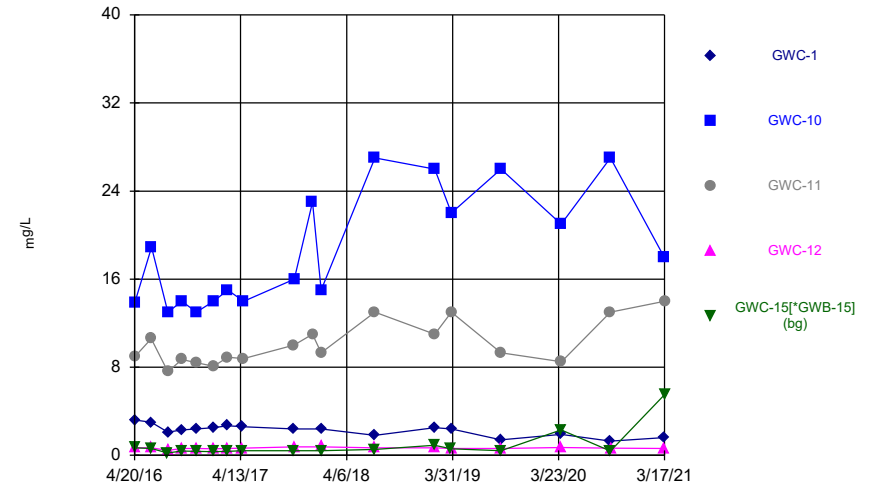
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



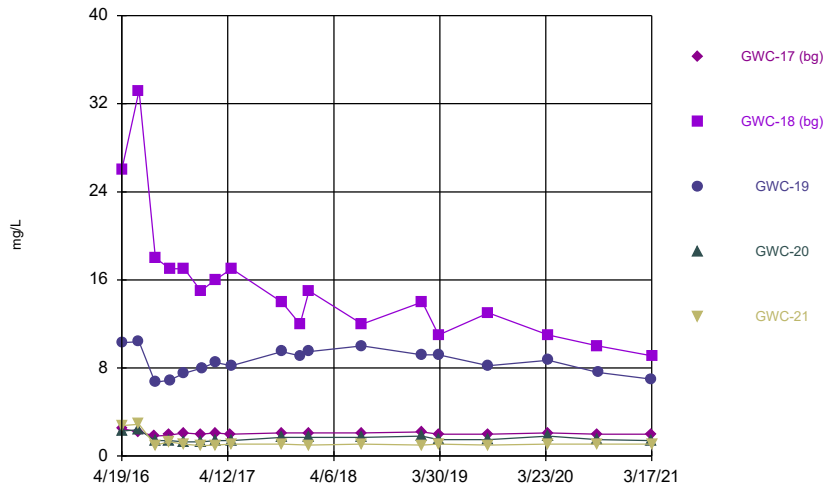
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Time Series



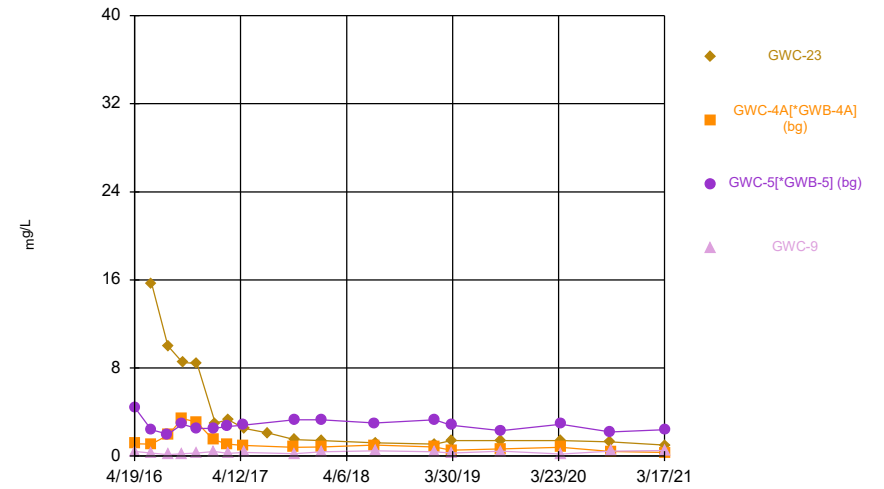
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Time Series



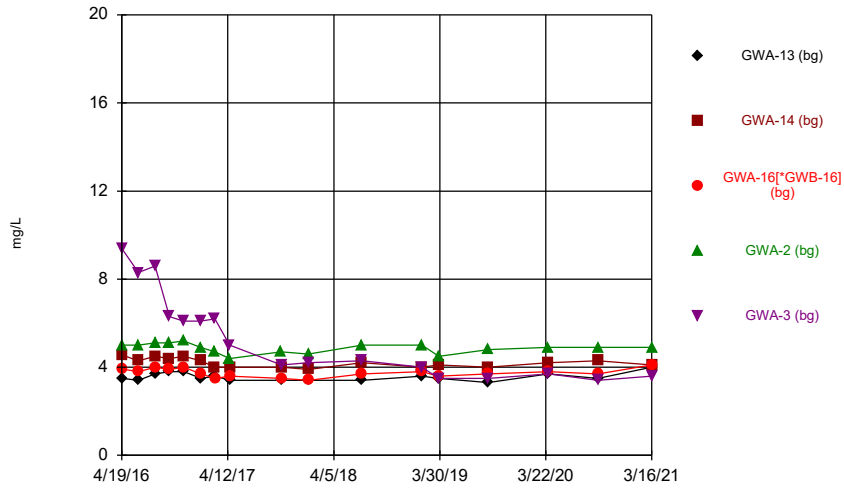
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Time Series



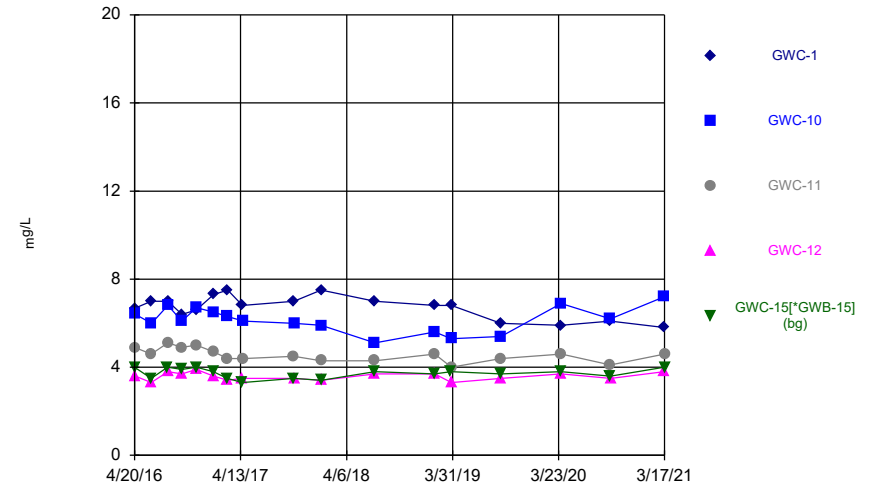
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



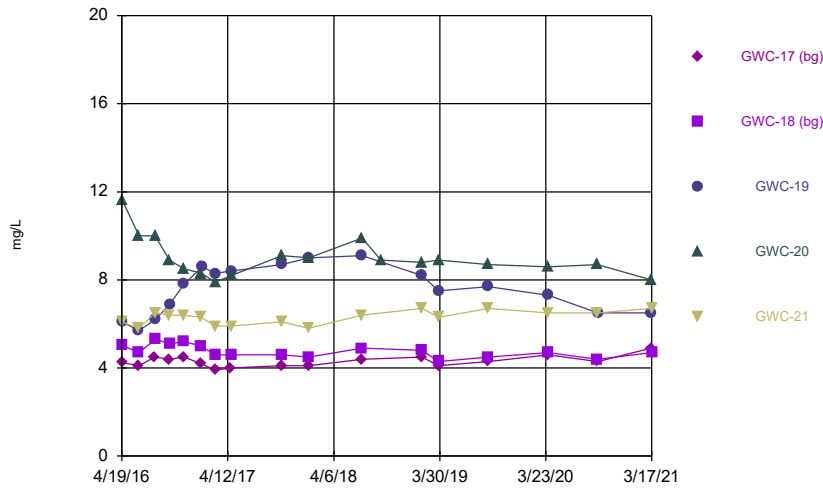
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Time Series



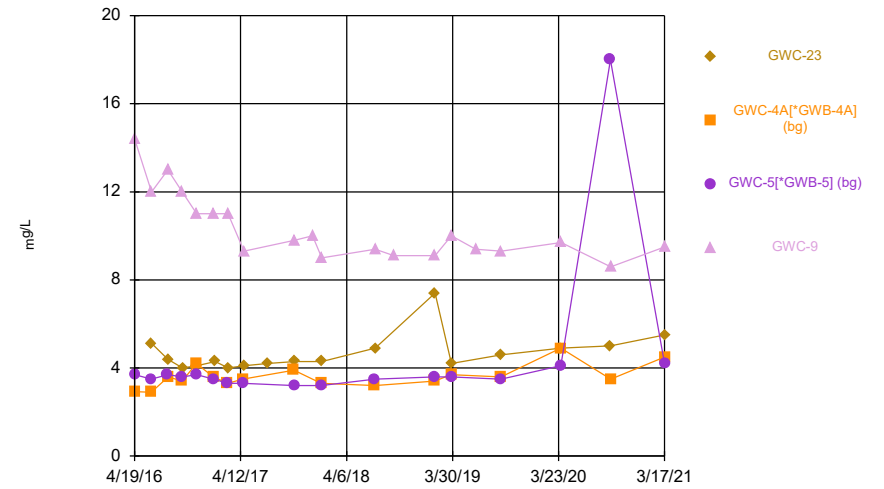
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



Constituent: Chloride Analysis Run 4/27/2021 11:39 AM View: Constituents View  
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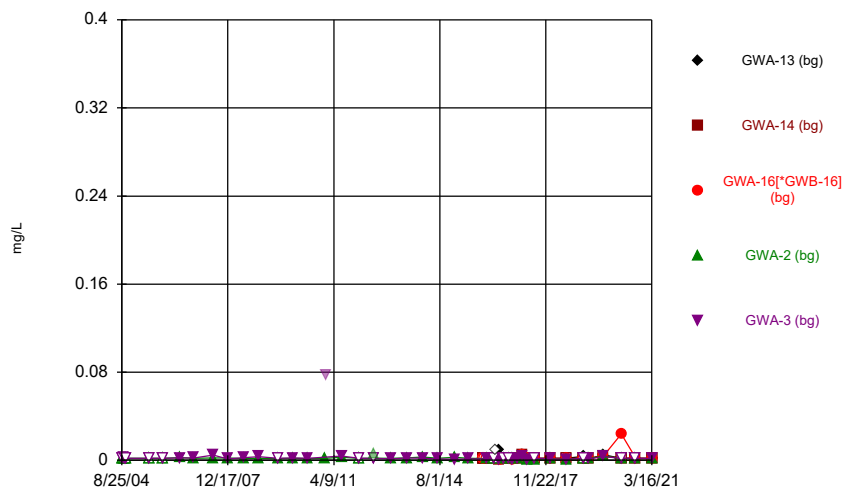
Time Series



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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

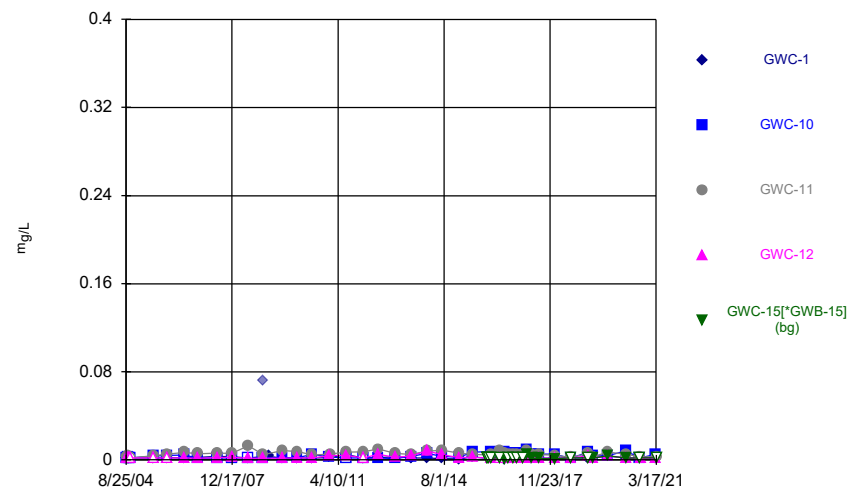


### Time Series



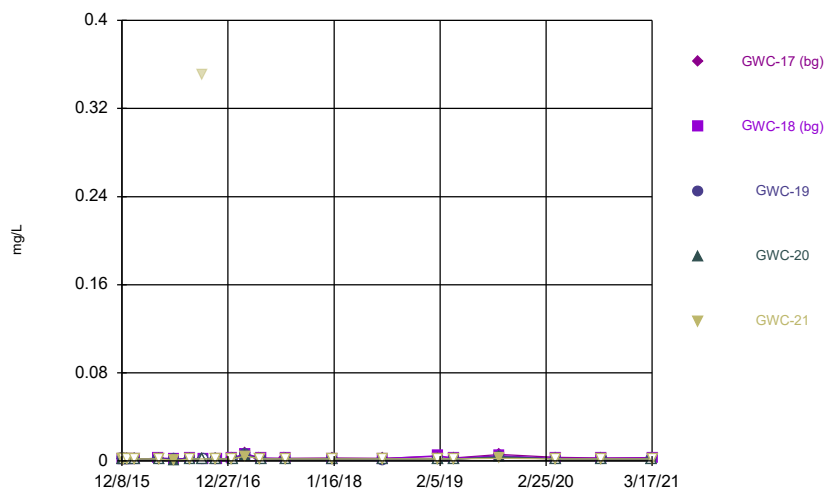
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



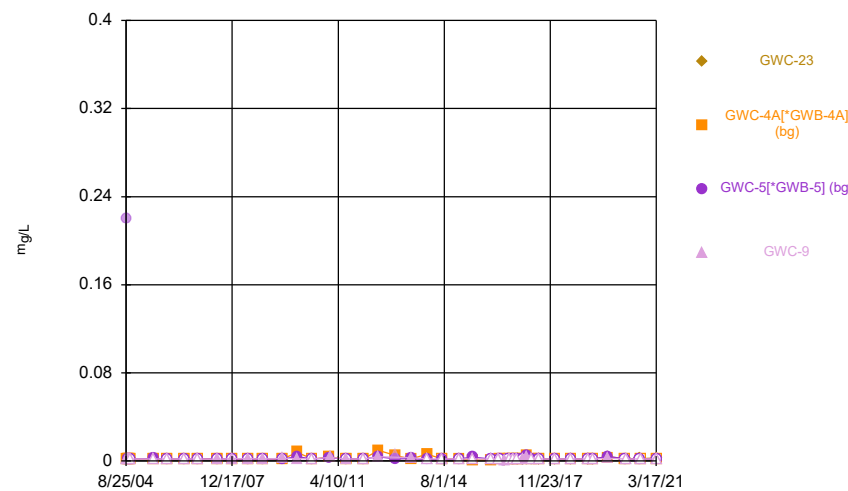
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### Time Series



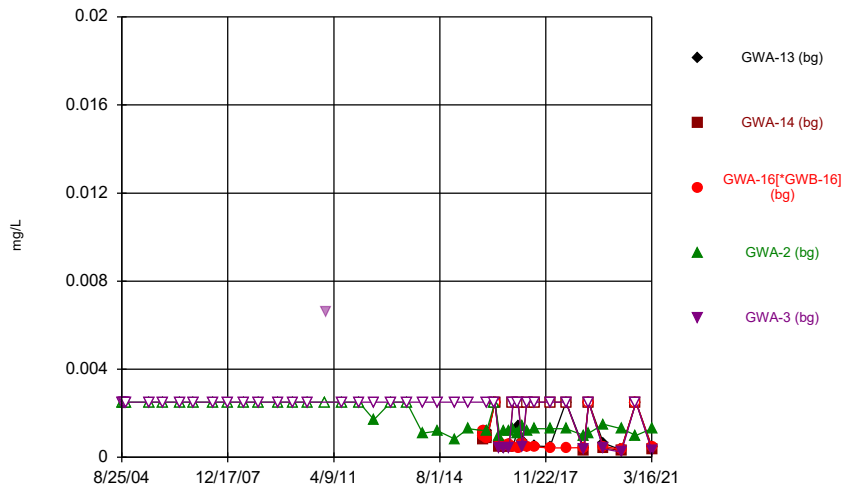
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### Time Series



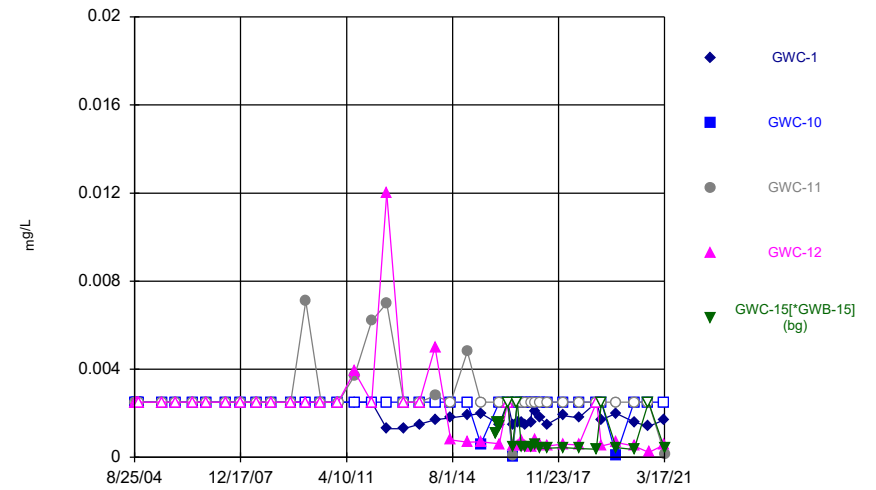
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### Time Series



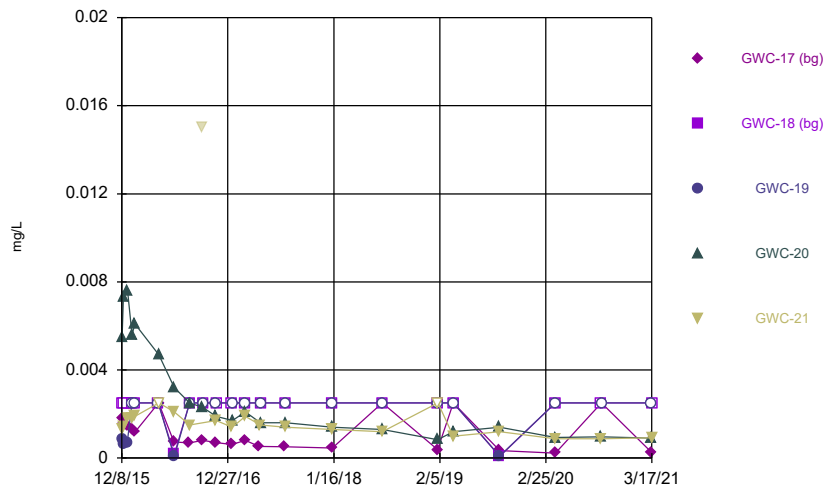
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



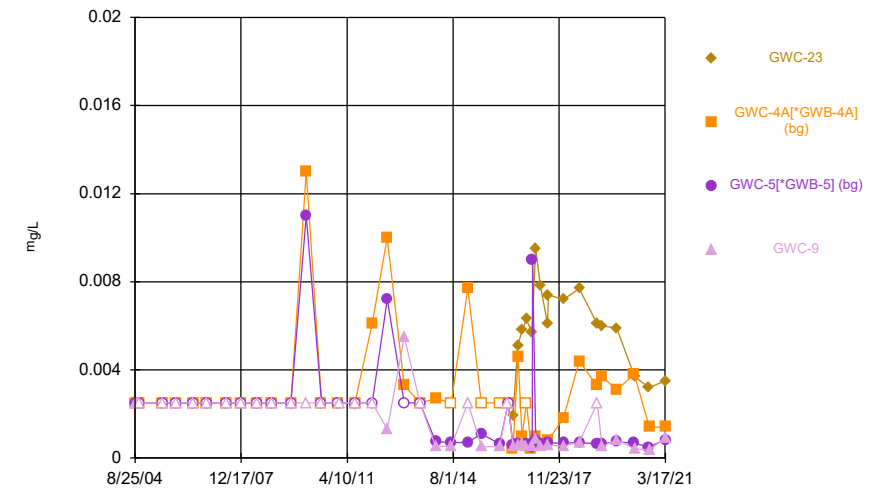
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### Time Series



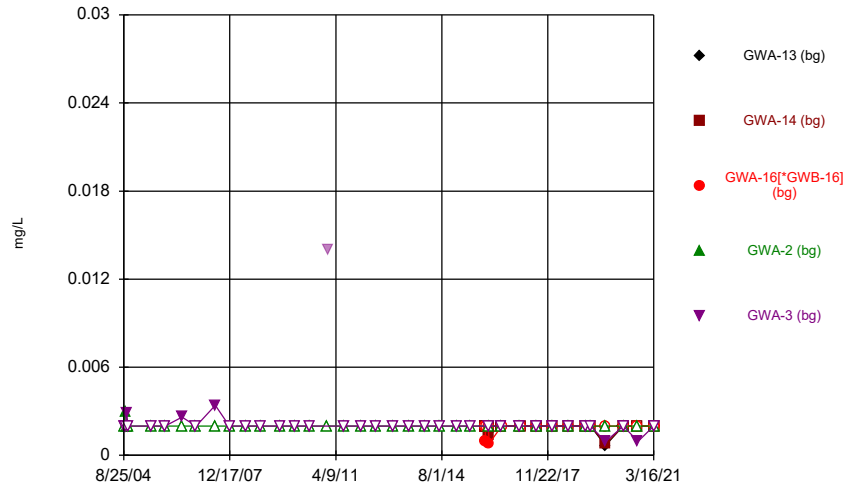
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### Time Series



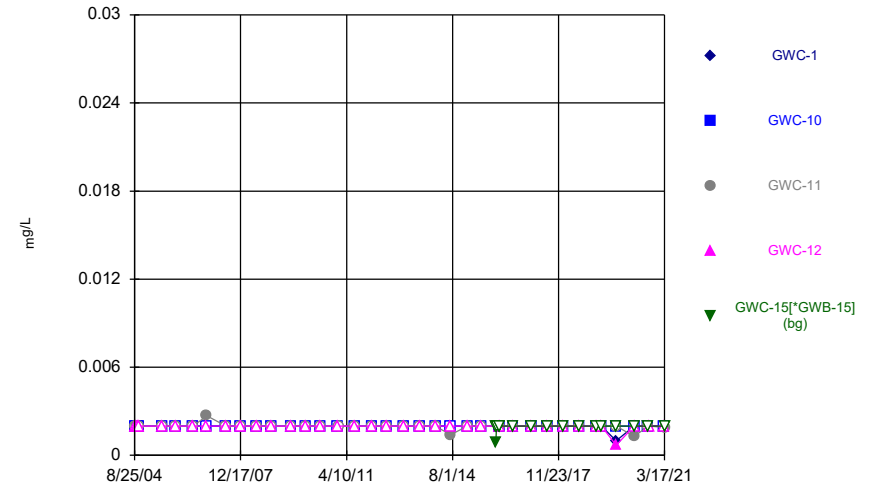
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Time Series



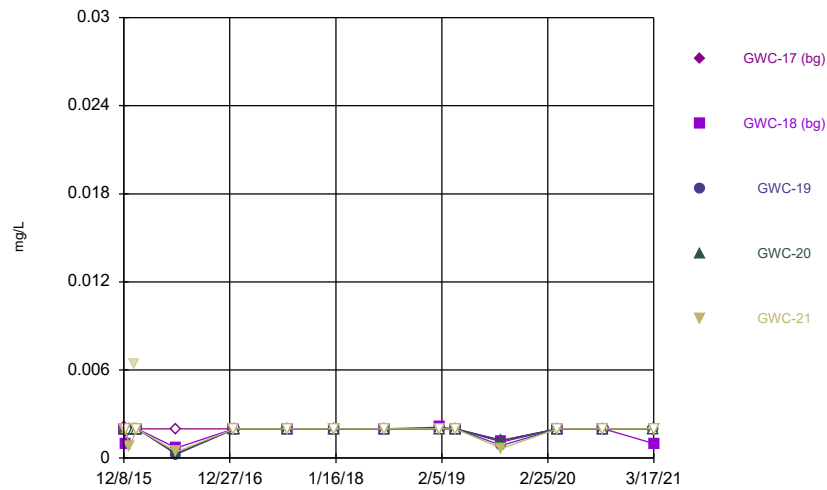
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Time Series



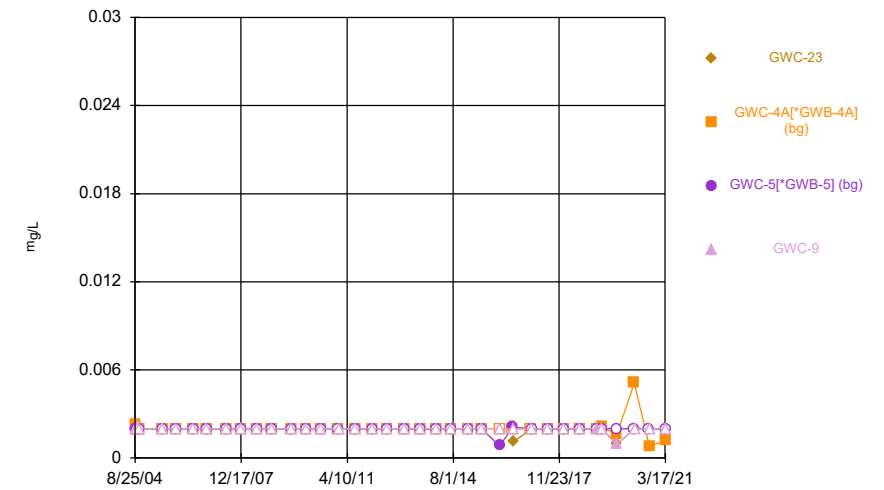
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Time Series



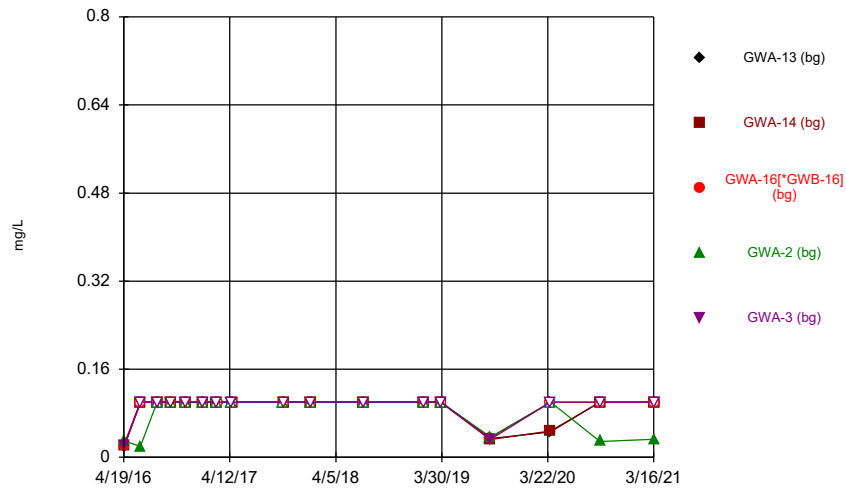
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Time Series



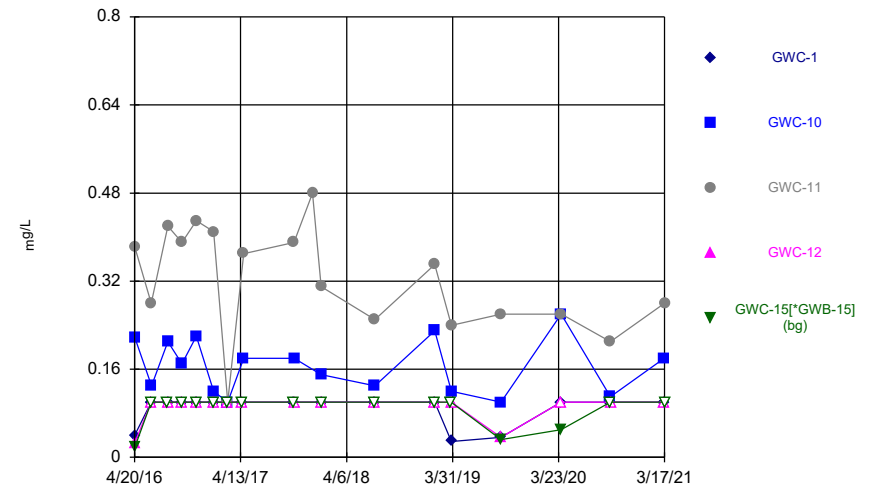
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Time Series



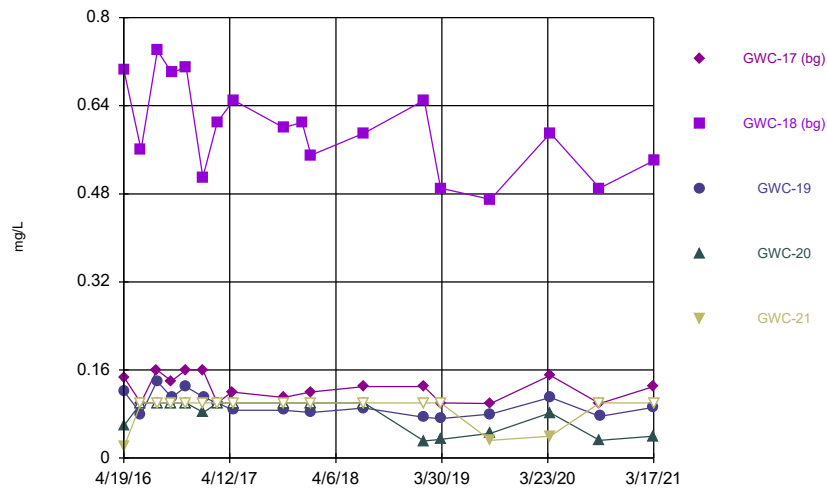
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Time Series



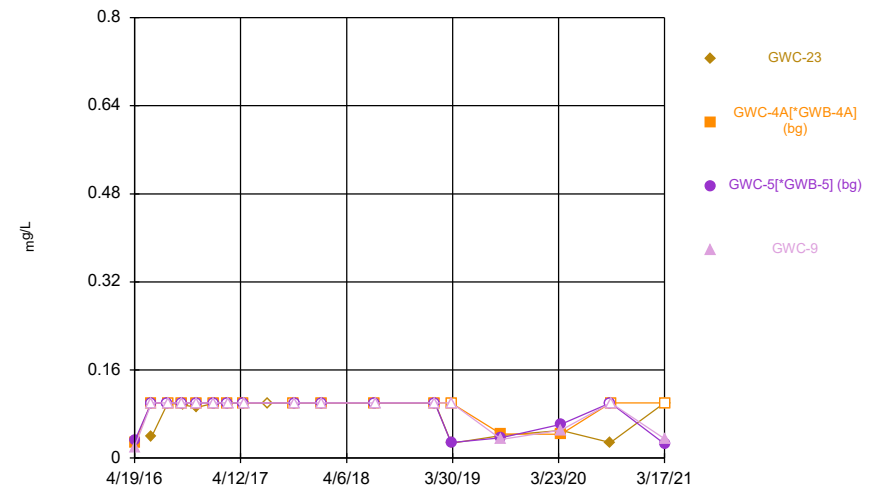
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Time Series



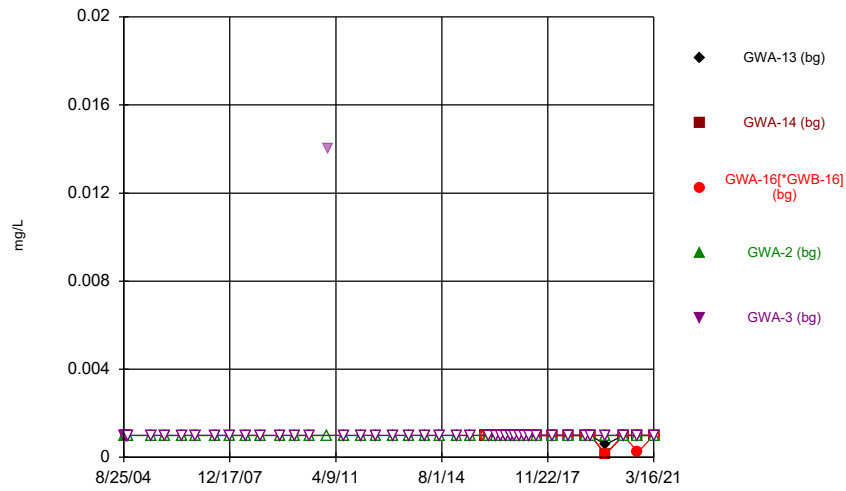
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Time Series



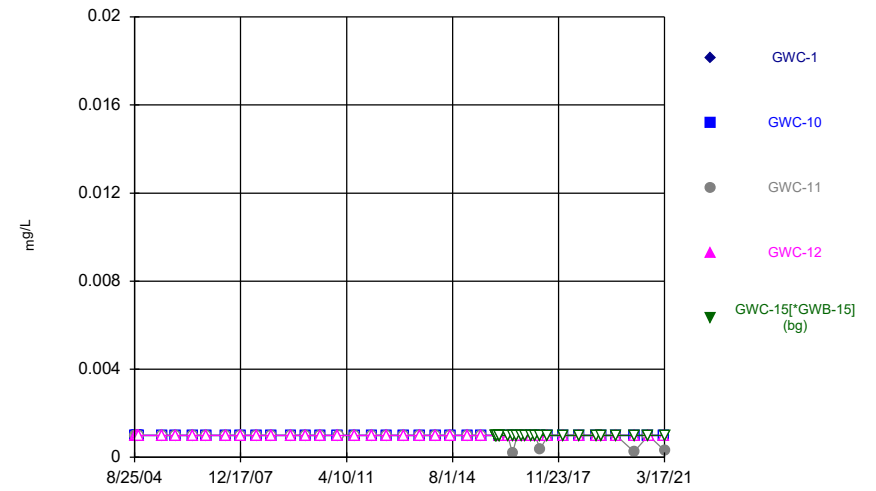
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### Time Series



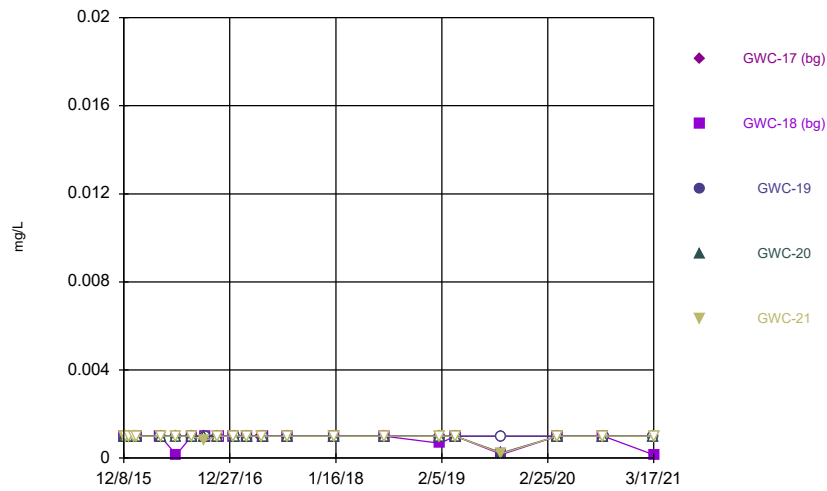
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### Time Series



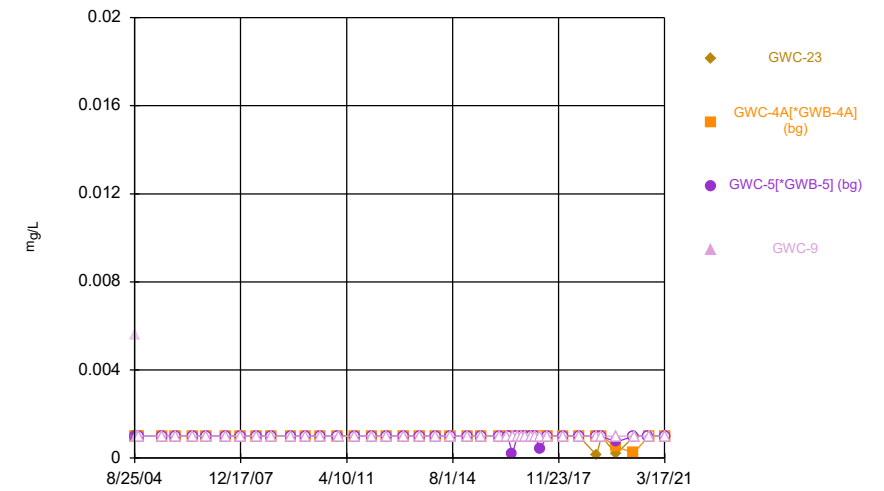
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### Time Series



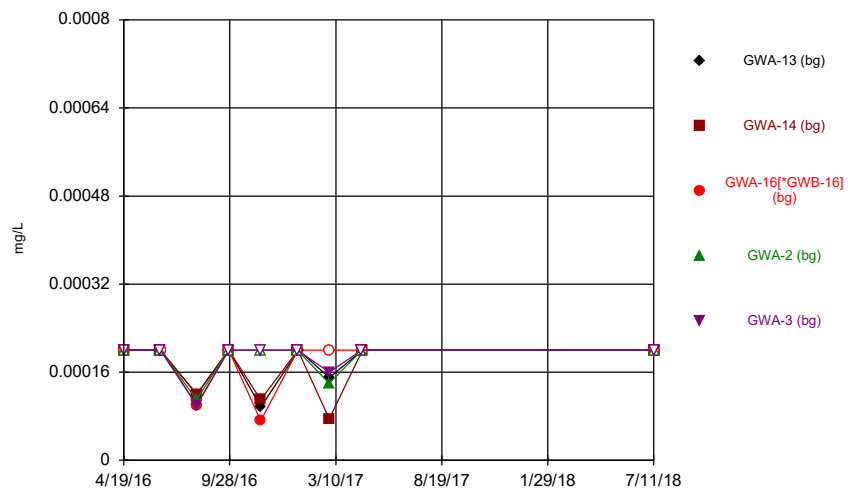
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### Time Series



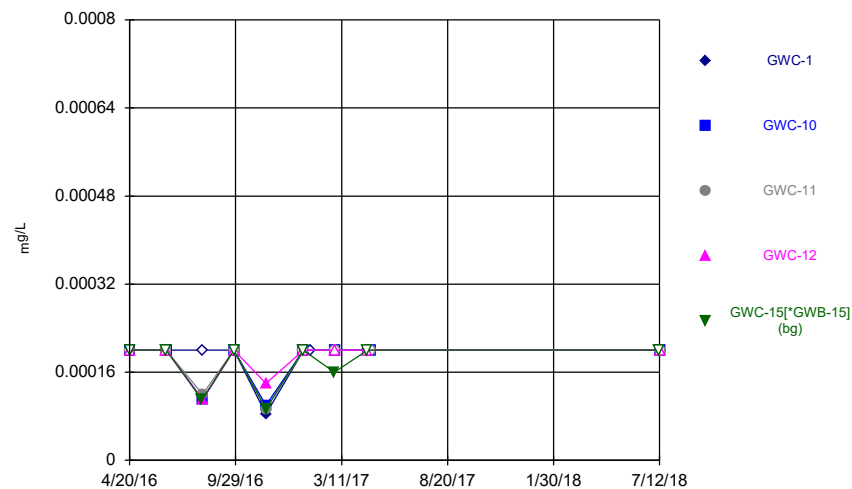
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### Time Series



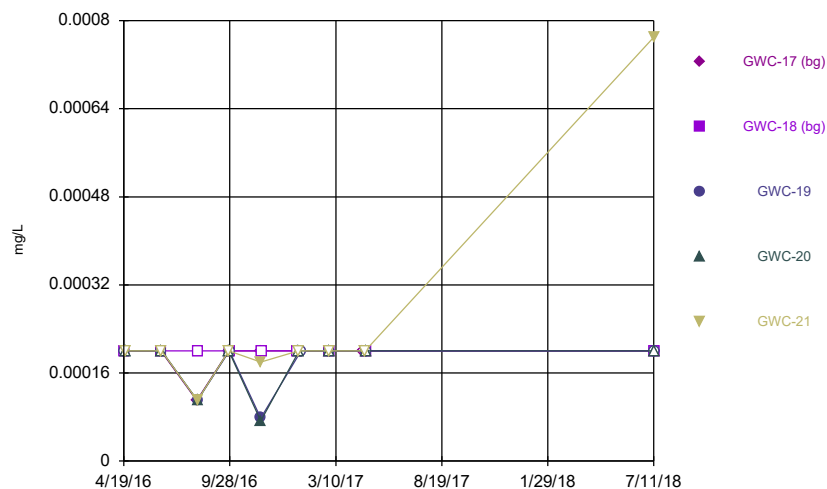
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### Time Series



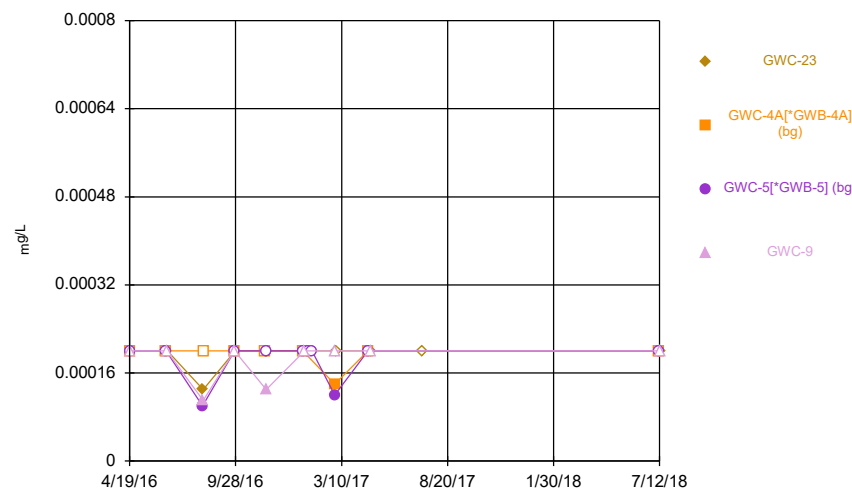
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### Time Series



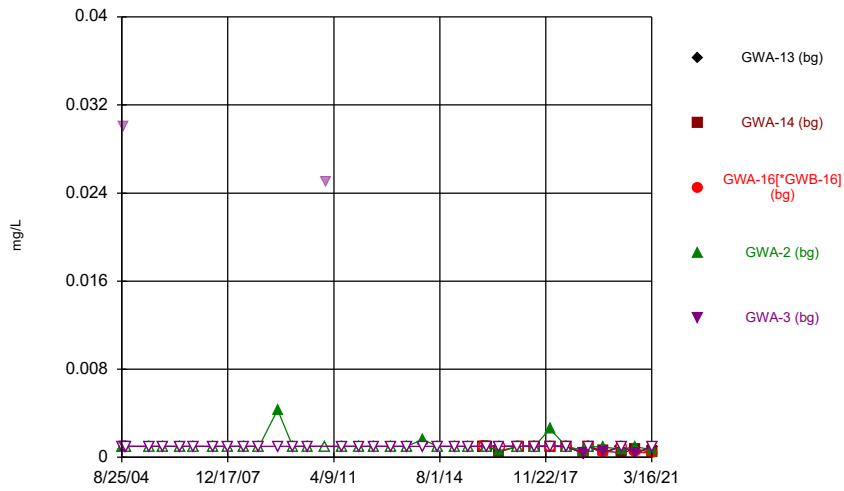
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### Time Series



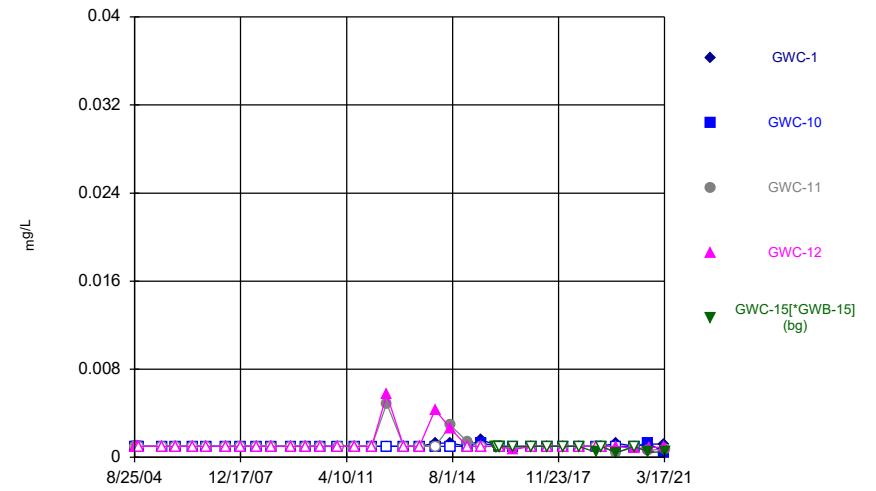
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### Time Series



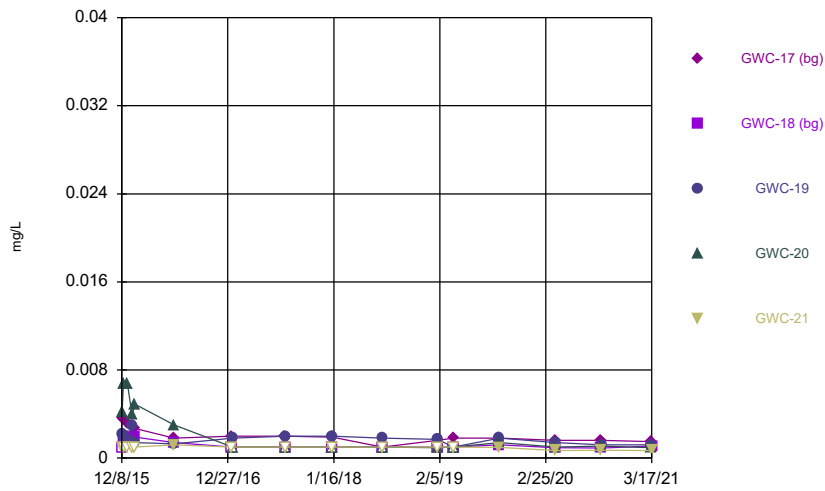
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### Time Series



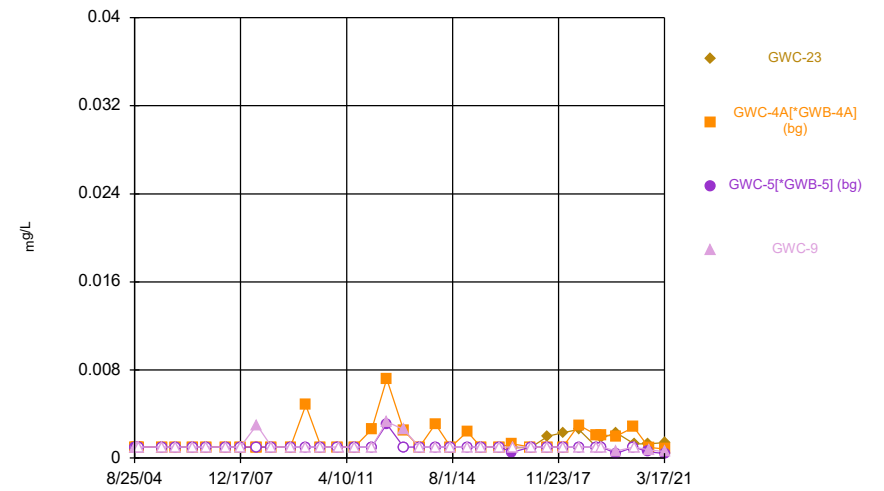
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### Time Series



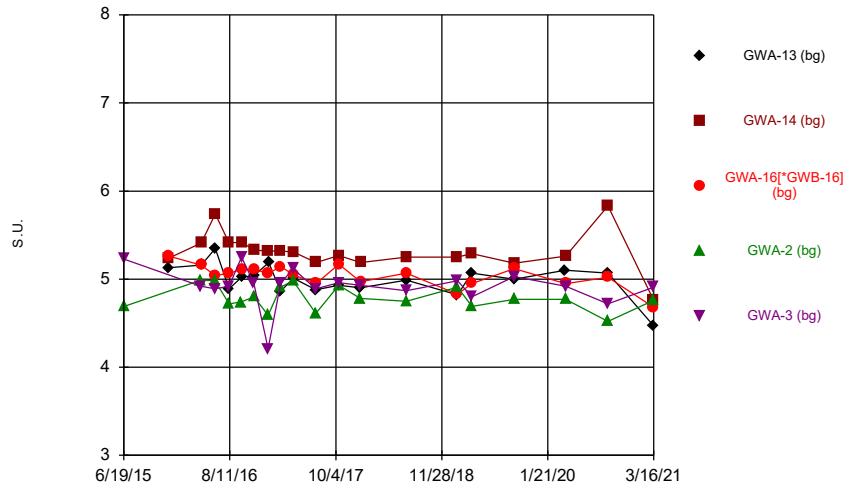
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### Time Series



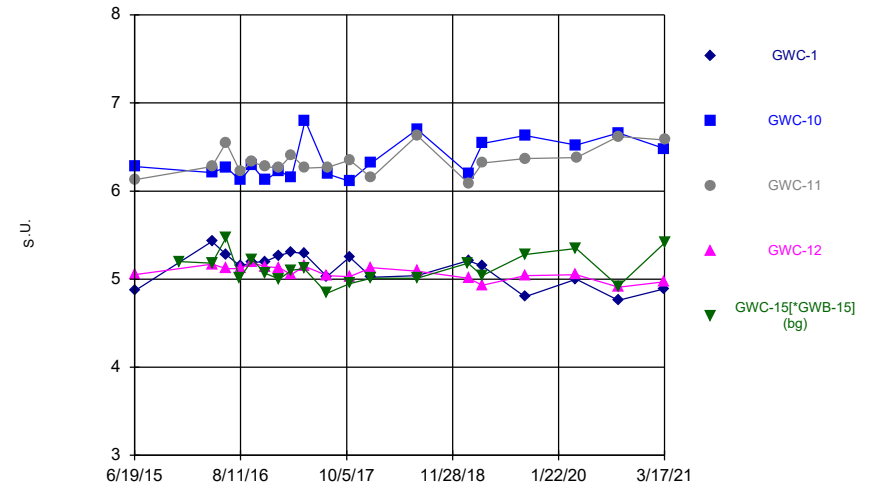
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Time Series



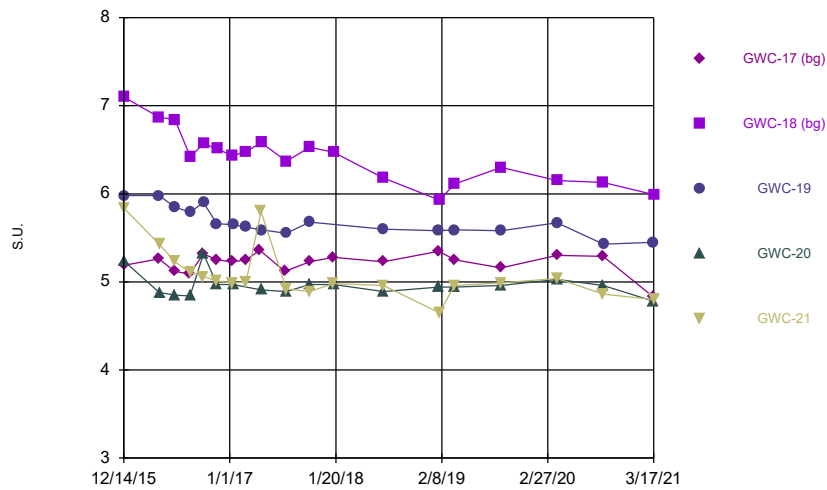
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Time Series



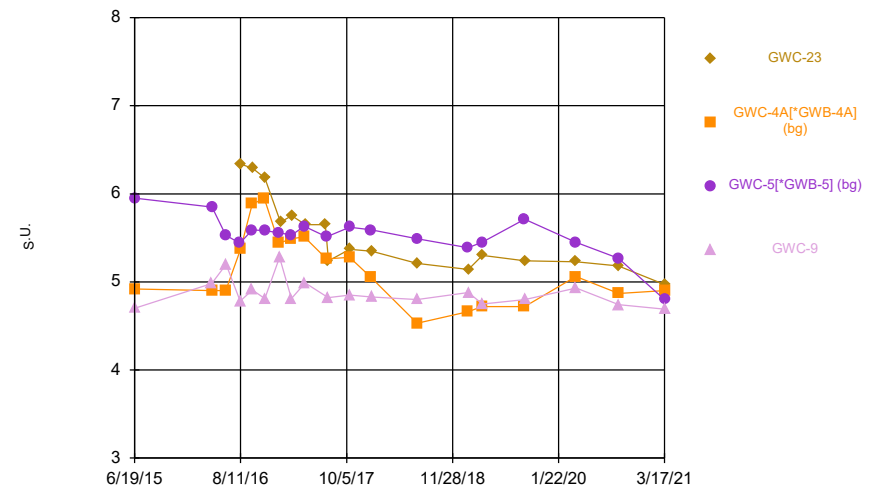
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Time Series



Constituent: pH Analysis Run 4/27/2021 11:40 AM View: Constituents View  
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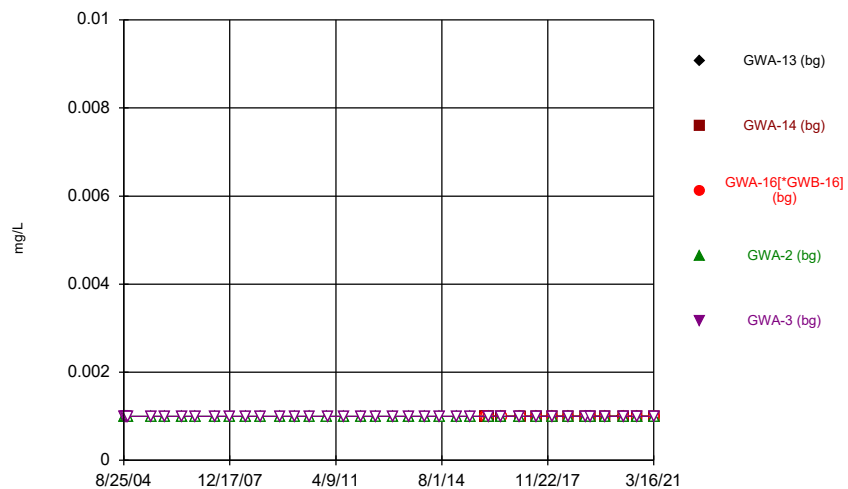
Time Series



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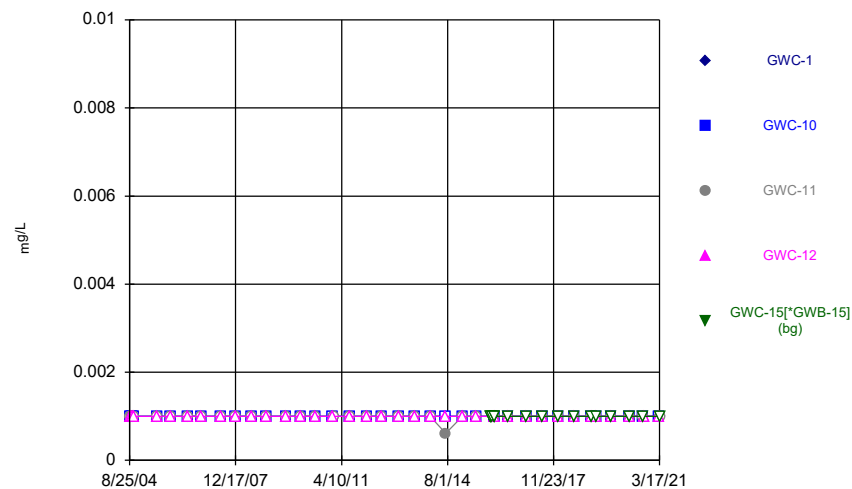


### Time Series



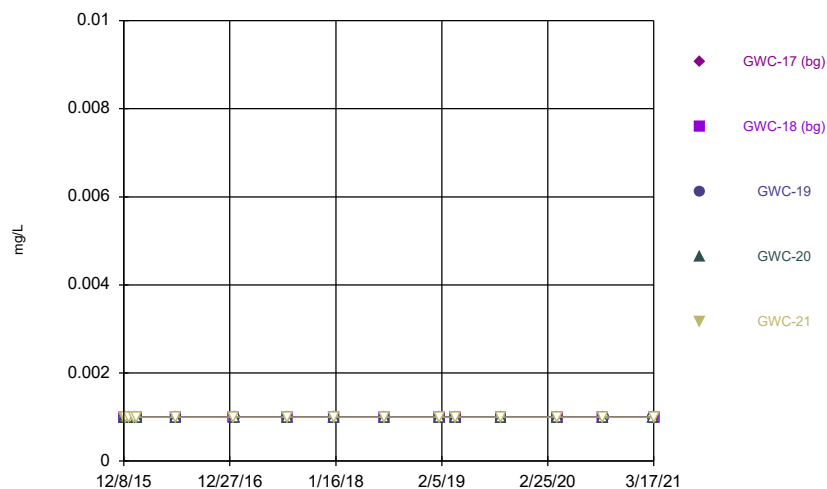
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### Time Series



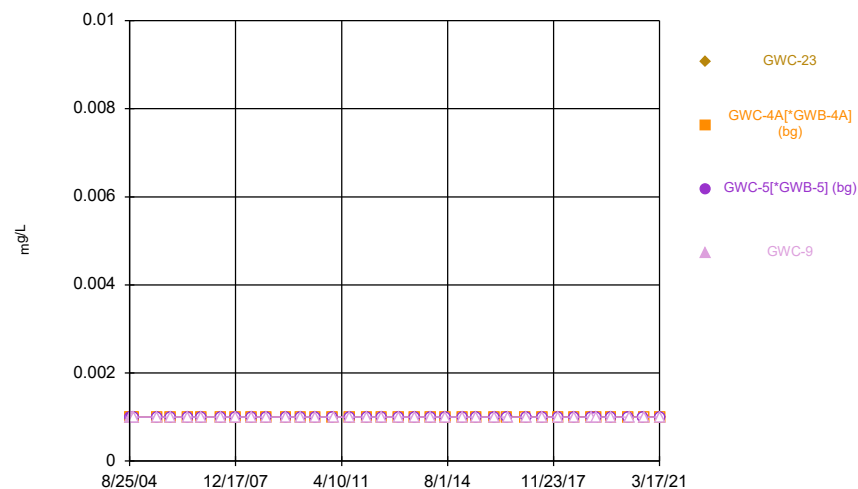
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### Time Series



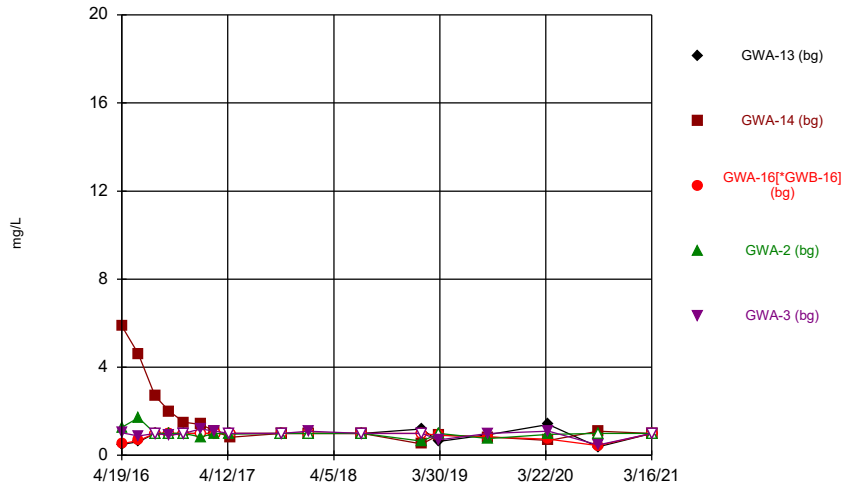
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### Time Series



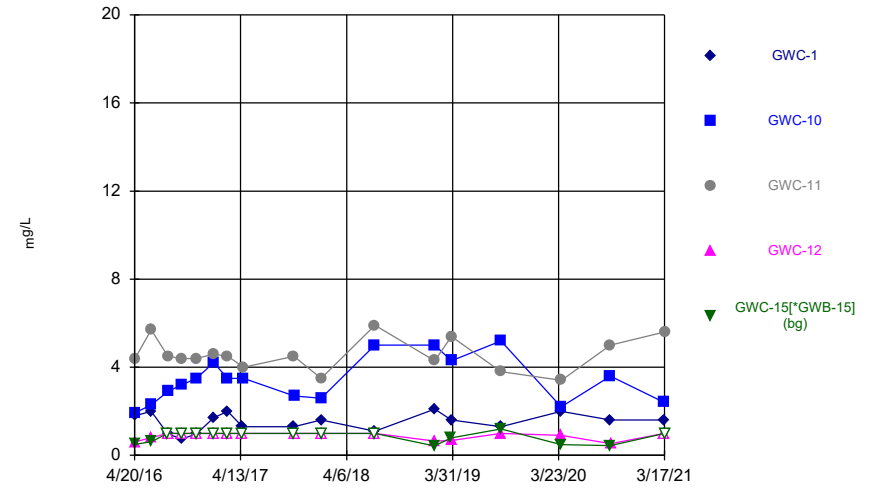
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



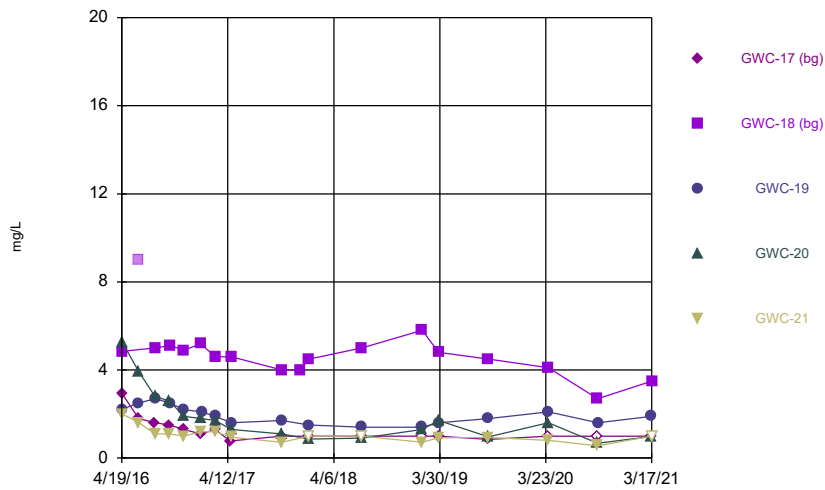
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### Time Series



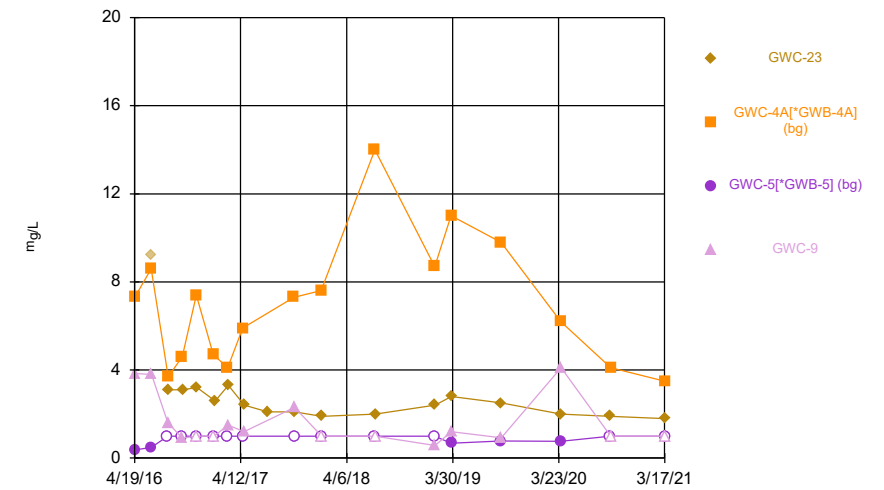
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### Time Series



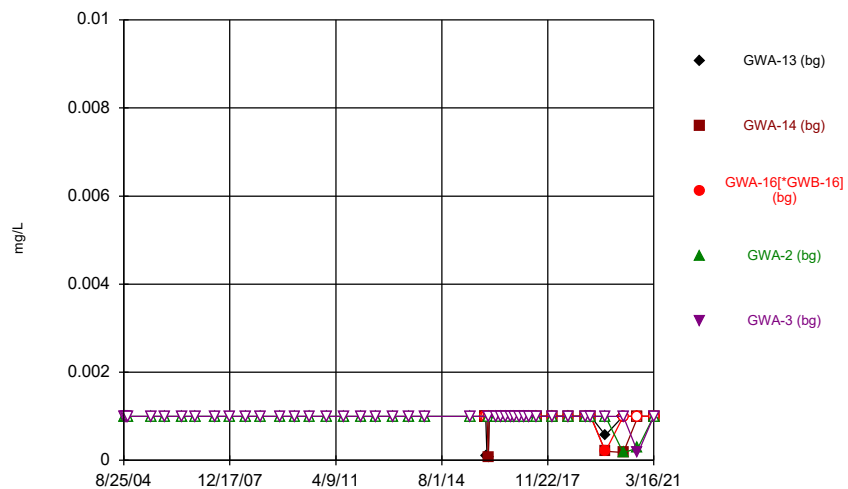
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### Time Series



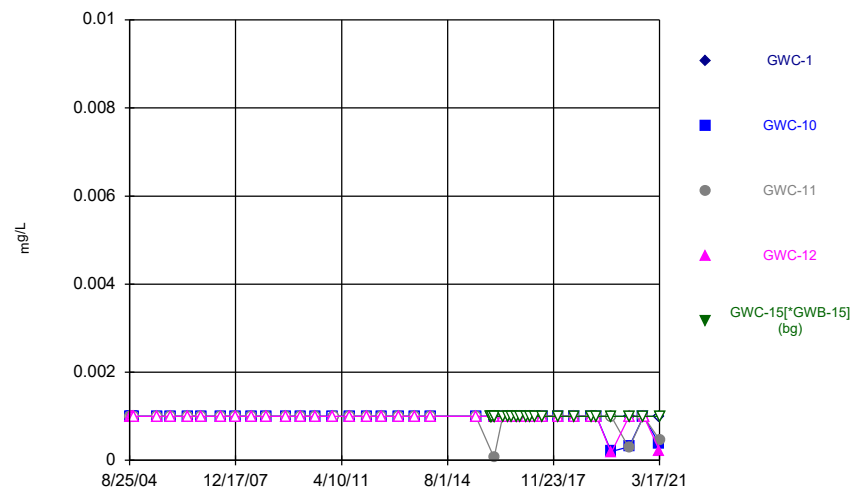
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### Time Series



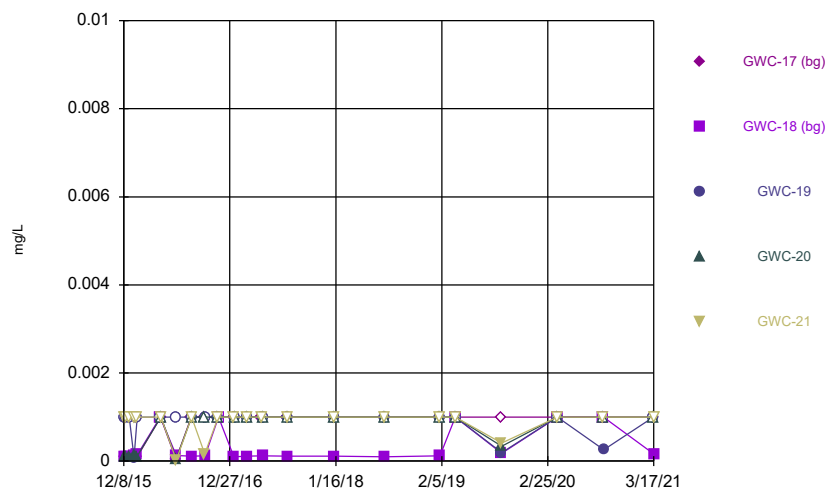
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### Time Series



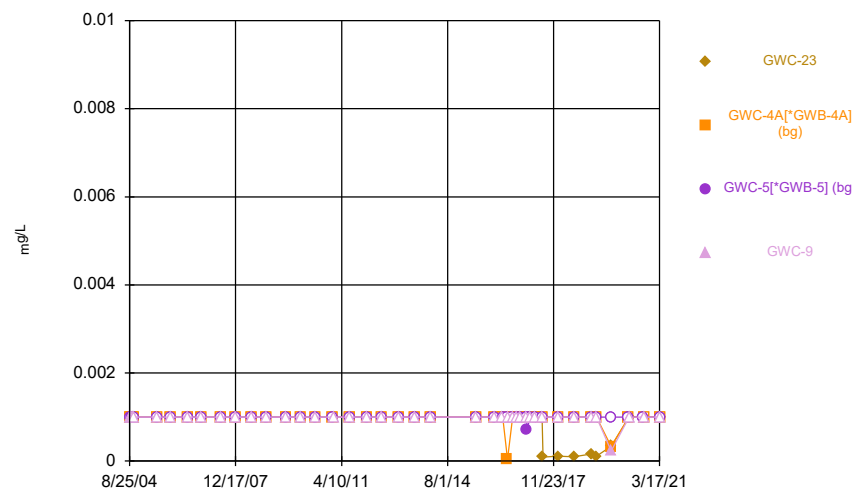
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### Time Series



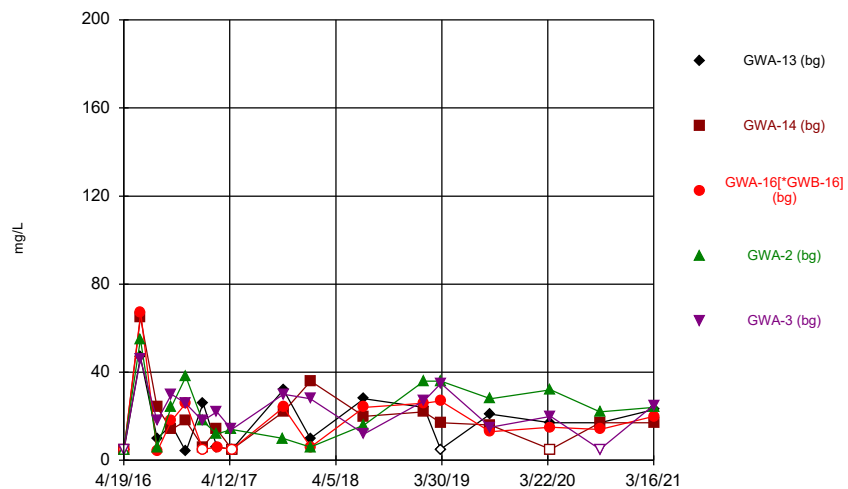
Constituent: Thallium Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



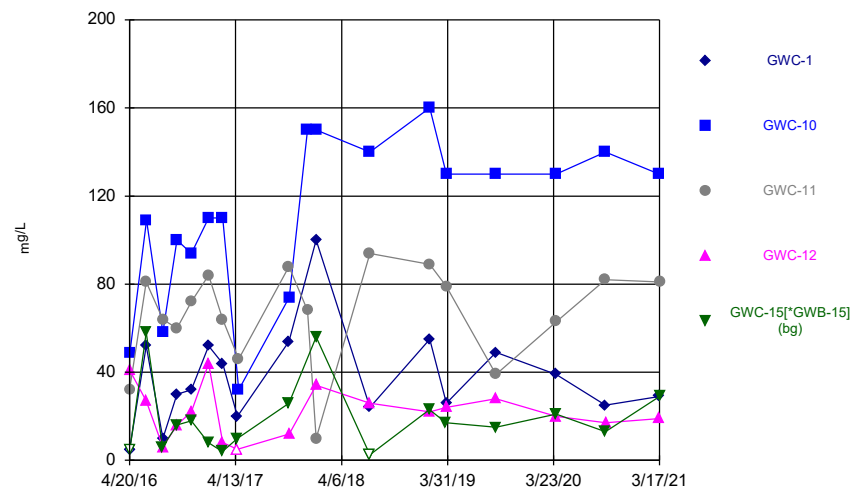
Constituent: Thallium Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



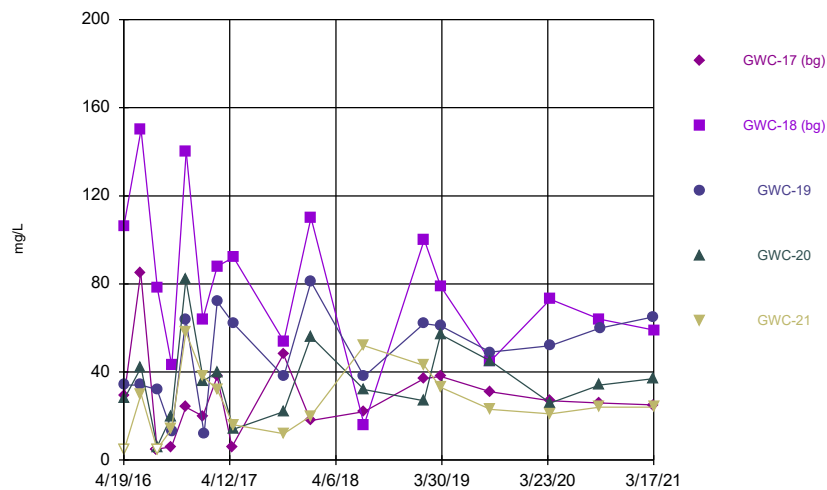
Constituent: Total Dissolved Solids Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



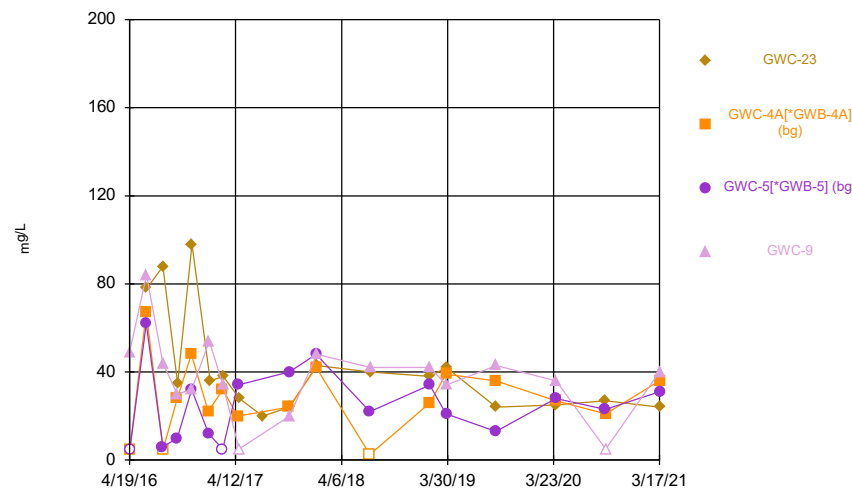
Constituent: Total Dissolved Solids Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



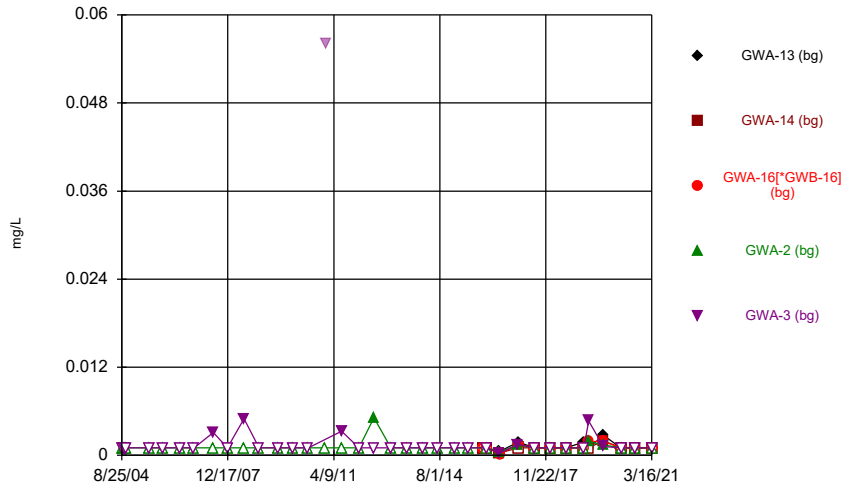
Constituent: Total Dissolved Solids Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



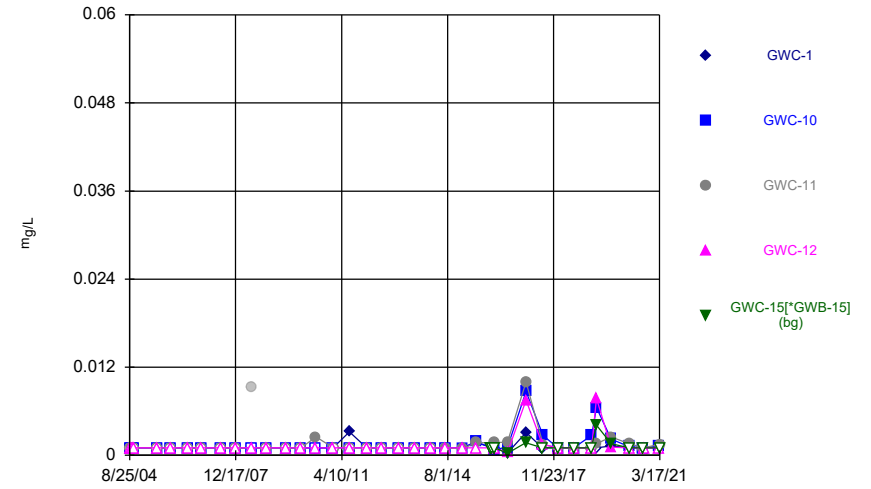
Constituent: Total Dissolved Solids Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



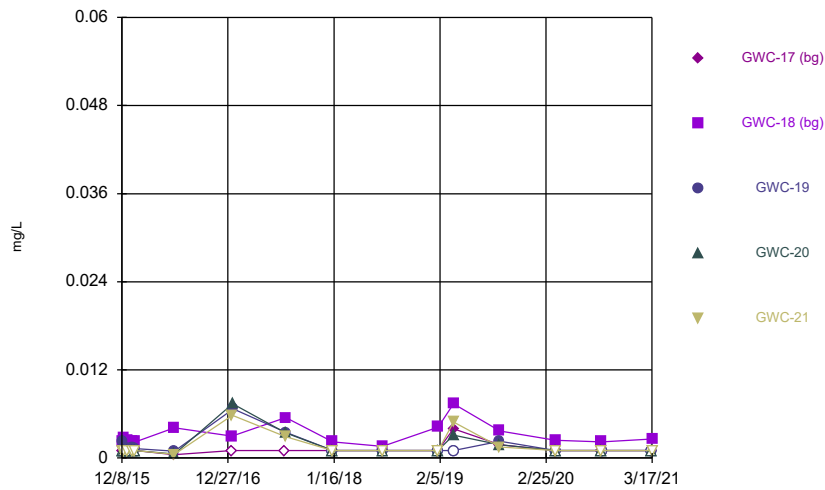
Constituent: Vanadium Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



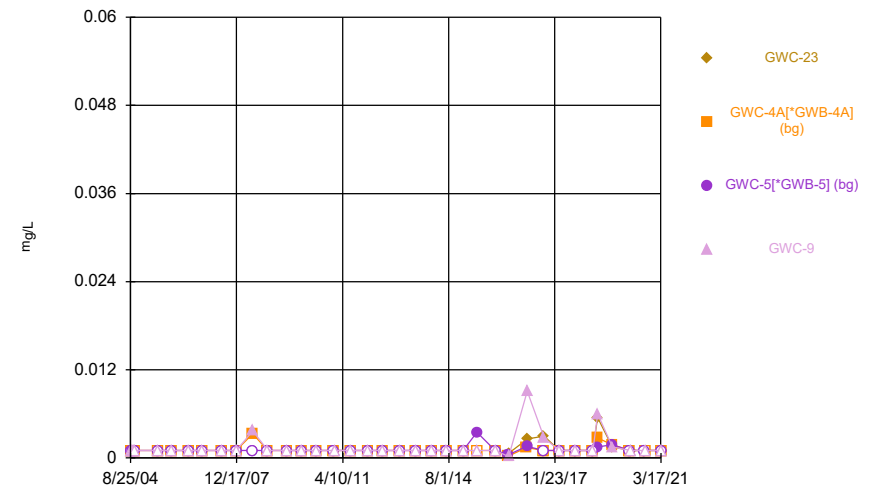
Constituent: Vanadium Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



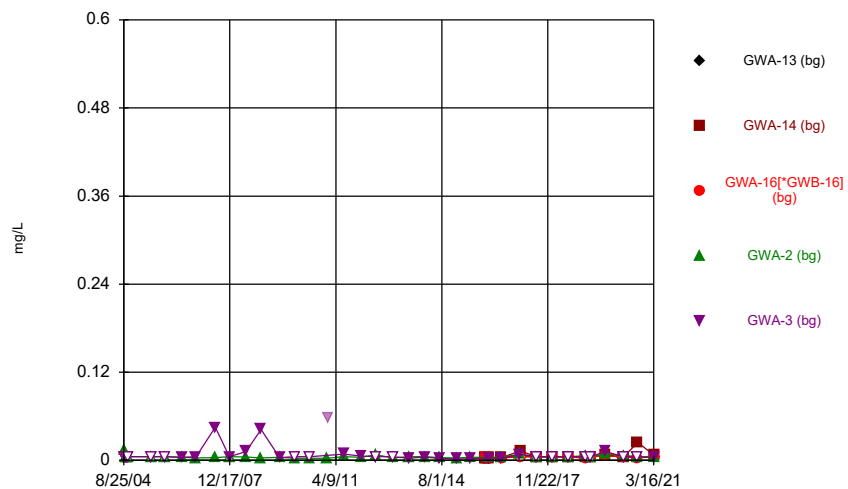
Constituent: Vanadium Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



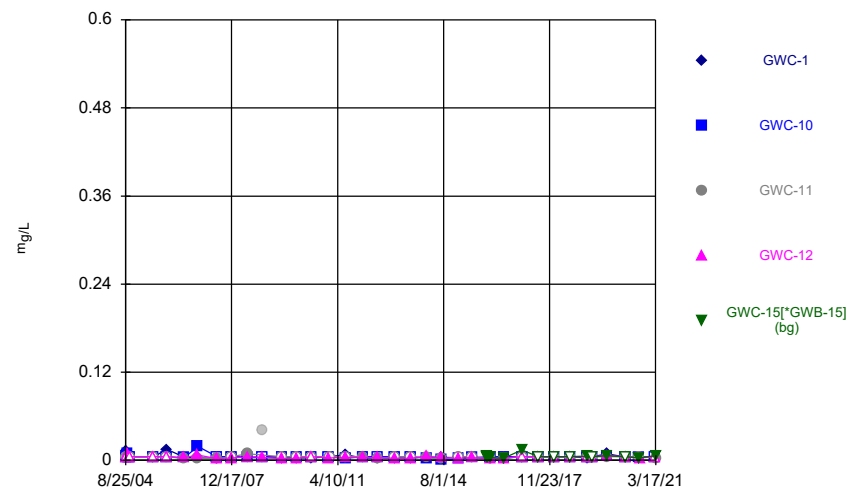
Constituent: Vanadium Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



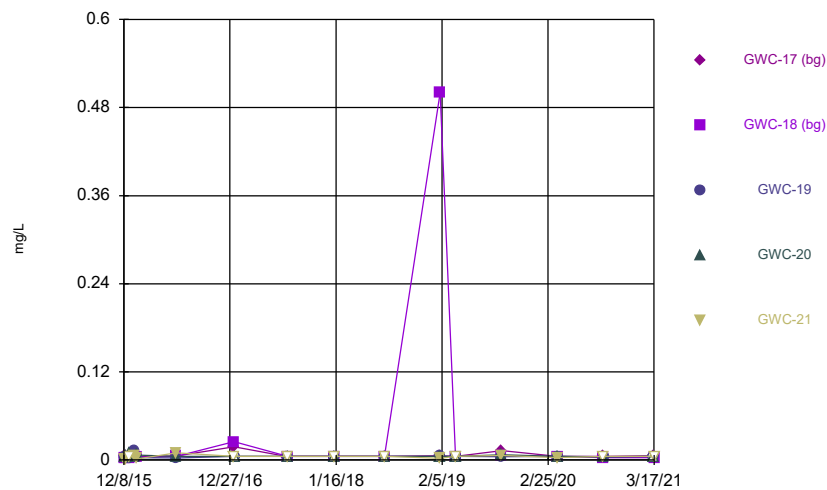
Constituent: Zinc Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



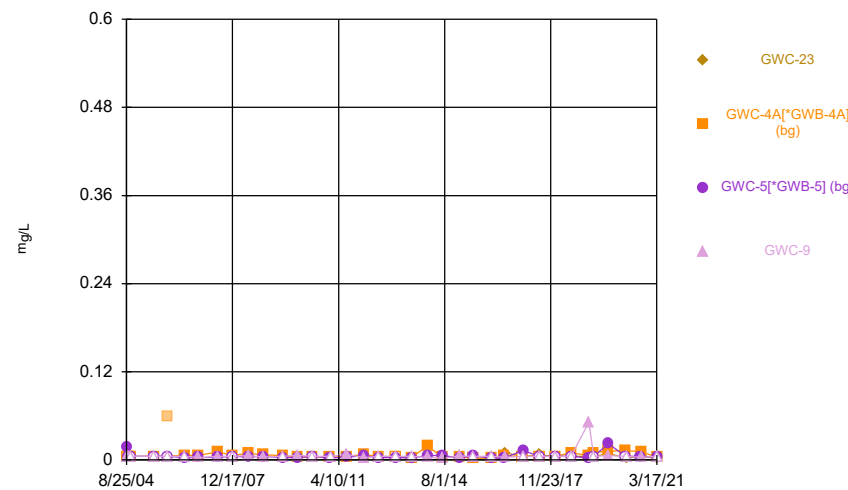
Constituent: Zinc Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



Constituent: Zinc Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



Constituent: Zinc Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				<0.002	<0.002
9/26/2004				<0.002	<0.002
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				<0.002	<0.002
11/28/2006				<0.002	<0.002
7/6/2007				<0.002	<0.002
12/13/2007				<0.002	<0.002
6/20/2008				<0.002	<0.002
12/7/2008				<0.002	<0.002
7/9/2009				<0.002	<0.002
12/28/2009				<0.002	<0.002
6/22/2010				<0.002	<0.002
1/4/2011				<0.002	
1/5/2011					<0.002
7/9/2011				<0.002	<0.002
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				<0.002	<0.002
1/19/2013					<0.002
1/20/2013				<0.002	
7/18/2013					<0.002
7/19/2013				<0.002	
1/15/2014				<0.002	<0.002
7/11/2014				<0.002 (D)	<0.002 (D)
1/15/2015					<0.002
1/16/2015				<0.002	
6/19/2015					<0.002
6/20/2015				<0.002	
12/7/2015	<0.002	<0.002	<0.002		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002		
1/16/2016				<0.002	<0.002
1/25/2016	<0.002	<0.002	<0.002		
4/19/2016				<0.002	<0.002
4/20/2016	<0.002	<0.002	<0.002		
6/14/2016	<0.002	<0.002		<0.002	<0.002
6/15/2016			<0.002		
8/9/2016	<0.002	<0.002	<0.002	<0.002	<0.002
9/26/2016				<0.002	
9/27/2016	<0.002	<0.002	<0.002		<0.002
11/14/2016					<0.002
11/15/2016	<0.002	<0.002	<0.002	<0.002	
1/10/2017				<0.002	<0.002
1/11/2017		<0.002	<0.002		
1/12/2017	<0.002				
2/28/2017	<0.002	<0.002		<0.002	<0.002

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.002		
4/19/2017				<0.002	<0.002
4/20/2017	<0.002	<0.002	<0.002		
7/17/2017				<0.002	
7/18/2017	<0.002				0.0022 (J)
7/19/2017		<0.002	<0.002		
1/10/2018	<0.002			<0.002	<0.002
1/11/2018		<0.002	<0.002		
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002		
3/27/2019				<0.002	<0.002
9/10/2019	0.00052 (J)	<0.002	<0.002		
9/11/2019				<0.002	0.00081 (J)
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	0.0004 (J)	<0.002
9/15/2020	<0.002	0.00039 (J)	<0.002	<0.002	<0.002
3/16/2021	<0.002	<0.002	<0.002	<0.002	<0.002



# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	<0.002	<0.002	
9/11/2004	<0.002	<0.002	<0.002	<0.002	
9/26/2004	<0.002	<0.002	<0.002	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	<0.002	<0.002	<0.002	
12/7/2005	<0.002	<0.002	<0.002	<0.002	
6/22/2006	<0.002	<0.002	<0.002	<0.002	
11/28/2006	<0.002	<0.002	<0.002	<0.002	
7/6/2007	<0.002	<0.002	<0.002	<0.002	
12/13/2007	<0.002	<0.002	<0.002	<0.002	
6/20/2008	<0.002	<0.002	<0.002	<0.002	
12/7/2008	<0.002	<0.002	<0.002	<0.002	
7/9/2009	<0.002				
7/10/2009		<0.002	<0.002	<0.002	
12/28/2009	<0.002			<0.002	
12/29/2009		<0.002	<0.002		
6/22/2010	<0.002	<0.002	<0.002	<0.002	
1/4/2011	<0.002	<0.002		<0.002	
1/5/2011			<0.002		
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	<0.002		
7/11/2012	<0.002	<0.002	<0.002	<0.002	
1/19/2013			<0.002	<0.002	
1/20/2013	<0.002	<0.002			
7/18/2013				<0.002	
7/19/2013	<0.002	<0.002	<0.002		
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			
7/10/2014		<0.002 (D)			
7/11/2014	<0.002 (D)		<0.002 (D)	<0.002 (D)	
1/15/2015				<0.002	
1/16/2015	<0.002	<0.002	<0.002		
6/19/2015				<0.002	
6/20/2015	<0.002	<0.002	<0.002		
12/7/2015					<0.002
12/15/2015					<0.002
12/28/2015					<0.002
1/13/2016					<0.002
1/14/2016			<0.002		
1/16/2016	<0.002	<0.002		<0.002	
1/25/2016					<0.002
4/20/2016	<0.002		<0.002	<0.002	
4/21/2016		<0.002			<0.002
6/15/2016	<0.002		<0.002	<0.002	<0.002
6/16/2016		<0.002			
8/9/2016					<0.002
8/10/2016	<0.002	<0.002	<0.002	<0.002	
9/27/2016	<0.002	<0.002	<0.002	<0.002	<0.002
11/15/2016	<0.002	<0.002	<0.002	<0.002	<0.002
1/11/2017					<0.002

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.002	<0.002	<0.002	<0.002	
1/23/2017	<0.002				
2/28/2017					<0.002
3/1/2017	<0.002	<0.002	<0.002	<0.002	
4/20/2017	<0.002			<0.002	<0.002
4/24/2017		<0.002	<0.002		
7/19/2017	<0.002				<0.002
7/20/2017				<0.002	
7/24/2017		<0.002	<0.002		
1/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2018					<0.002
7/12/2018	<0.002	<0.002	<0.002	<0.002	
1/29/2019					<0.002
1/30/2019	<0.002	<0.002	<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
4/1/2020	<0.002	<0.002		<0.002	<0.002
4/2/2020			<0.002		
9/15/2020	<0.002	<0.002	<0.002		<0.002
9/16/2020				<0.002	
3/16/2021	<0.002	<0.002		<0.002	
3/17/2021			<0.002		<0.002

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.002	<0.002	<0.002		
12/9/2015				<0.002	<0.002
12/14/2015	<0.002	<0.002		<0.002	<0.002
12/15/2015			<0.002		
12/28/2015	<0.002	<0.002	<0.002		
12/29/2015				<0.002	<0.002
1/13/2016	<0.002				
1/14/2016		<0.002	<0.002	<0.002	<0.002
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	<0.002	<0.002		
4/19/2016		<0.002	<0.002		
4/20/2016	<0.002				
4/21/2016				<0.002	<0.002
6/15/2016	<0.002				
6/16/2016		0.00022 (J)	<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			
9/27/2016	<0.002			<0.002	<0.002
9/28/2016		<0.002	<0.002		
11/15/2016	<0.002		<0.002	<0.002	<0.002
11/16/2016		<0.002			
1/11/2017	<0.002	<0.002			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			<0.002		
3/1/2017	<0.002	<0.002	<0.002	<0.002	<0.002
4/20/2017	<0.002				
4/24/2017					<0.002
4/25/2017		<0.002	<0.002	<0.002	
7/19/2017	<0.002				
7/25/2017		<0.002	<0.002	<0.002	<0.002
1/11/2018	<0.002				<0.002
1/12/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002		<0.002	<0.002	
1/30/2019		<0.002			<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002		<0.002	<0.002
9/16/2020			<0.002		
3/16/2021	<0.002		<0.002	<0.002	
3/17/2021		<0.002			<0.002

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004	<0.002	<0.002	<0.002
9/11/2004	<0.002	<0.002	<0.002
9/26/2004	<0.002	<0.002	<0.002
10/13/2004	<0.002	<0.002	<0.002
7/11/2005	<0.002	<0.002	<0.002
12/7/2005	<0.002	<0.002	<0.002
6/22/2006	<0.002	<0.002	<0.002
11/28/2006	<0.002	<0.002	<0.002
7/6/2007	<0.002	<0.002	<0.002
12/13/2007	<0.002	<0.002	<0.002
6/20/2008	<0.002	<0.002	<0.002
12/7/2008	<0.002	<0.002	<0.002
7/9/2009	<0.002	<0.002	<0.002
12/29/2009		<0.002	<0.002
12/30/2009	<0.002		
6/22/2010	<0.002	<0.002	<0.002
1/4/2011	<0.002	<0.002	
1/5/2011			<0.002
7/9/2011		<0.002	<0.002
7/10/2011	<0.002		
1/21/2012	<0.002	<0.002	<0.002
7/11/2012	<0.002	<0.002	<0.002
1/19/2013		<0.002	<0.002
1/20/2013	<0.002		
7/18/2013		<0.002	<0.002
7/19/2013	<0.002		
1/15/2014		<0.002	<0.002
1/16/2014	<0.002		
7/10/2014	<0.002 (D)	<0.002 (D)	<0.002 (D)
1/15/2015		<0.002	
1/16/2015	<0.002		<0.002
6/19/2015		<0.002	
6/20/2015	<0.002		<0.002
1/14/2016	<0.002	<0.002	<0.002
4/19/2016			<0.002
4/20/2016	<0.002	<0.002	
6/14/2016	<0.002	<0.002	
6/15/2016			<0.002
6/16/2016	<0.002		
8/9/2016		<0.002	
8/10/2016	<0.002		<0.002
8/11/2016	<0.002		
9/27/2016	<0.002	<0.002	<0.002
9/28/2016	<0.002		
11/14/2016	<0.002		
11/15/2016		<0.002	<0.002
11/16/2016	<0.002		
1/10/2017		<0.002	
1/11/2017		<0.002	
1/13/2017			<0.002
1/17/2017	<0.002		
1/19/2017		<0.002	

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		<0.002	<0.002
2/28/2017		<0.002	<0.002
3/1/2017			<0.002
3/2/2017	<0.002		
4/20/2017		<0.002	<0.002
4/24/2017			<0.002
4/25/2017	<0.002		
7/13/2017	<0.002		
7/18/2017		<0.002	<0.002
7/24/2017			<0.002
7/25/2017	<0.002		
1/10/2018		<0.002	<0.002
1/12/2018	<0.002		<0.002
7/11/2018		<0.002	<0.002
7/12/2018	<0.002		<0.002
1/29/2019		<0.002	<0.002
1/30/2019	<0.002		<0.002
3/26/2019		<0.002	<0.002
3/27/2019	<0.002		<0.002
9/10/2019		<0.002	<0.002
9/11/2019	<0.002		<0.002
3/31/2020		<0.002	<0.002
4/1/2020	<0.002		<0.002
9/15/2020	<0.002		<0.002
9/16/2020		<0.002	<0.002
3/17/2021	<0.002	<0.002	<0.002

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.0089 (o)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	0.00061 (J)

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.001		
4/19/2017				<0.001	0.00069 (J)
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	0.0011
9/10/2019	0.00076 (J)	0.00043 (J)	0.00036 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		<0.001	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		0.00117 (J)	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		0.0013 (J)	<0.001	<0.001
6/16/2016		0.0004 (J)			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	0.0013	<0.001	
9/27/2016	<0.001	<0.001	0.0011 (J)	<0.001	<0.001
11/15/2016	<0.001	<0.001	0.001 (J)	<0.001	<0.001
1/11/2017					<0.001



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.001	0.00077 (J)	0.0016	0.00062 (J)	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	0.00092 (J)	<0.001	
4/20/2017	<0.001			<0.001	<0.001
4/24/2017		<0.001	0.0011 (J)		
7/19/2017	<0.001				0.00056 (J)
7/20/2017				0.00053 (J)	
7/24/2017		<0.001	0.00086 (J)		
1/11/2018	<0.001	0.00046 (J)	0.0012 (J)	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	0.001 (J)	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	0.0015 (J)	<0.001	
3/26/2019					0.00075
3/27/2019	<0.001	0.0013	0.0013	0.0011	
9/11/2019	<0.001	0.00082 (J)	0.0017	0.00032 (J)	0.00033 (J)
4/1/2020	<0.001	0.00055 (J)		<0.001	<0.001
4/2/2020			0.0014		
9/15/2020	<0.001	0.00041 (J)	0.0011		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	0.00069 (J)		<0.001	
3/17/2021			0.0014		<0.001

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	0.0022 (J)
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	0.002 (J)
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
4/19/2016		0.00112 (J)	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	0.00015 (J)				
6/16/2016		0.0011 (J)	0.00026 (J)	0.00014 (J)	0.00046 (J)
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		0.001 (J)			
9/27/2016	<0.001			<0.001	0.00084 (J)
9/28/2016		0.00062 (J)	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		0.00046 (J)			
1/11/2017	<0.001	0.00093 (J)			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			0.00067 (J)		
3/1/2017	<0.001	0.0006 (J)	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		0.0011 (J)	<0.001	0.00046 (J)	
7/19/2017	0.00047 (J)				
7/25/2017		0.001 (J)	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		0.00095 (J)	<0.001	<0.001	
7/11/2018	<0.001	0.0007 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		<0.001			<0.001
3/27/2019	0.00097	0.0019	<0.001	<0.001	0.00074
9/11/2019	0.00038 (J)	0.0012	0.00057 (J)	0.00066 (J)	0.00064 (J)
4/1/2020	<0.001	0.00067	<0.001	<0.001	<0.001
9/15/2020	<0.001	0.00076 (J)		<0.001	<0.001
9/16/2020			<0.001		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		0.00072 (J)			<0.001

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
7/10/2011		<0.001	
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		<0.001	<0.001
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
4/19/2016			<0.001
4/20/2016		<0.001	<0.001
6/14/2016		0.00016 (J)	5E-05 (J)
6/15/2016			<0.001
6/16/2016	0.00043 (J)		
8/9/2016		<0.001	
8/10/2016	0.0021		<0.001
8/11/2016		0.00096 (J)	
9/27/2016		0.0026	<0.001
9/28/2016	0.0011 (J)		
11/14/2016		0.0017	
11/15/2016		<0.001	<0.001
11/16/2016	0.0011 (J)		
1/10/2017		0.0021	
1/11/2017		<0.001	
1/13/2017			0.00055 (J)
1/17/2017	0.00064 (J)		
1/19/2017		<0.001	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.0027
2/28/2017		0.0027	<0.001
3/1/2017			<0.001
3/2/2017	<0.001		
4/20/2017		0.0014	<0.001
4/24/2017			<0.001
4/25/2017	0.0007 (J)		
7/13/2017	<0.001		
7/18/2017		0.0012 (J)	<0.001
7/24/2017			<0.001
7/25/2017	<0.001		
1/10/2018		0.00068 (J)	<0.001
1/12/2018	<0.001		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	<0.001		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	<0.001		<0.001
3/26/2019		0.0005	<0.001
3/27/2019	0.00079		0.00073
9/10/2019		0.00051 (J)	0.00035 (J)
9/11/2019	0.00051 (J)		0.00044 (J)
3/31/2020		<0.001	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				0.018	0.025
9/11/2004				0.019	0.015
9/26/2004				0.02	0.017
10/13/2004				0.017	0.017
7/11/2005				0.012	0.012
12/7/2005				0.014	0.012
6/22/2006				0.018	0.016
11/28/2006				0.015	0.017
7/6/2007				0.014	0.1 (O)
12/13/2007				0.014	0.01
6/20/2008				0.018	0.026
12/7/2008				0.013	0.097 (O)
7/9/2009				0.019	0.01
12/28/2009				0.012	0.0091
6/22/2010				0.02	0.011
1/4/2011				0.02	
1/5/2011					0.21 (O)
7/9/2011				0.028	0.035
1/20/2012					0.021
1/21/2012				0.026	
7/11/2012				0.038	0.009
1/19/2013					0.01
1/20/2013				0.025	
7/18/2013					0.014
7/19/2013				0.018	
1/15/2014				0.026	0.016
7/11/2014				0.029	0.016
1/15/2015					0.014
1/16/2015				0.021	
6/19/2015					0.013
6/20/2015				0.031	
12/7/2015	0.015	0.018	0.027		
12/14/2015			0.028		
12/15/2015	0.015	0.017			
12/28/2015			0.029		
12/29/2015	0.016	0.018			
1/13/2016	0.017	0.018	0.028		
1/16/2016				0.031	0.021
1/25/2016	0.017	0.018	0.027		
4/19/2016				0.0305	0.0217
4/20/2016	0.0144	0.0143	0.0259		
6/14/2016	0.015	0.012		0.03	0.024
6/15/2016			0.024		
8/9/2016	0.013	0.011	0.023	0.032	0.023
9/26/2016				0.031	
9/27/2016	0.015	0.01	0.021		0.016
11/14/2016					0.014
11/15/2016	0.015	0.012	0.023	0.033	
1/10/2017				0.031	0.015
1/11/2017		0.011	0.021		
1/12/2017	0.012				
2/28/2017	0.016	0.011		0.033	0.017

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			0.022		
4/19/2017				0.032	0.013
4/20/2017	0.015	0.011	0.022		
7/17/2017				0.033	
7/18/2017	0.015				0.012
7/19/2017		0.012	0.024		
1/10/2018	0.015			0.034	0.016
1/11/2018		0.012	0.022		
7/11/2018	0.015	0.012	0.023	0.035	0.015
1/29/2019	0.019	0.013	0.026	0.034	0.017
3/26/2019	0.016	0.012	0.023		
3/27/2019				0.03	0.014
9/10/2019	0.03	0.016	0.039		
9/11/2019				0.034	0.015
3/31/2020	0.015				
4/1/2020		0.013	0.022	0.037	0.014
9/15/2020	0.014	0.012	0.024	0.036	0.015
3/16/2021	0.018	0.013	0.025	0.035	0.015

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	0.02	0.036	0.018	0.014	
9/11/2004	0.021	0.036	0.022	0.014	
9/26/2004	0.019	0.035	0.022	0.014	
10/13/2004		0.035	0.017	0.013	
7/11/2005	0.017	0.017	0.015	0.011	
12/7/2005	0.018	0.017	0.012	0.012	
6/22/2006	0.018	0.015	0.012	0.012	
11/28/2006	0.026	0.032	0.013	0.011	
7/6/2007	0.014	0.03	0.012	0.014	
12/13/2007	0.013	0.039	0.013	0.011	
6/20/2008	0.019	0.038	0.026	0.011	
12/7/2008	0.019	0.034	0.093 (O)	0.01	
7/9/2009	0.029				
7/10/2009		0.032	0.013	0.011	
12/28/2009	0.039			0.011	
12/29/2009		0.03	0.012		
6/22/2010	0.032	0.024	0.014	0.011	
1/4/2011	0.024	0.017		0.013	
1/5/2011			0.011		
7/9/2011	0.034		0.012	0.015	
7/10/2011		0.03			
1/20/2012				0.013	
1/21/2012	0.022	0.022	0.017		
7/11/2012	0.023	0.025	0.015	0.015	
1/19/2013			0.013	0.014	
1/20/2013	0.027	0.029			
7/18/2013				0.013	
7/19/2013	0.037	0.02	0.012		
1/15/2014	0.032		0.012	0.013	
1/16/2014		0.022			
7/10/2014		0.018			
7/11/2014	0.034		0.012	0.016	
1/15/2015				0.012	
1/16/2015	0.032	0.019	0.011		
6/19/2015				0.015	
6/20/2015	0.037	0.021	0.013		
12/7/2015					0.027
12/15/2015					0.028
12/28/2015					0.026
1/13/2016					0.026
1/14/2016			0.016		
1/16/2016	0.051	0.019		0.013	
1/25/2016					0.027
4/20/2016	0.0554		0.0113	0.0114	
4/21/2016		0.0178			0.0262
6/15/2016	0.046		0.013	0.0095 (J)	0.024
6/16/2016		0.022			
8/9/2016					0.023
8/10/2016	0.042	0.015	0.01	0.0094	
9/27/2016	0.042	0.014	0.01	0.011	0.023
11/15/2016	0.042	0.015	0.011	0.0096	0.023
1/11/2017					0.022

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.046	0.015	0.01	0.01	
1/23/2017	0.023				
2/28/2017					0.023
3/1/2017	0.048	0.017	0.011	0.011	
4/20/2017	0.046			0.01	0.024
4/24/2017		0.014	0.01		
7/19/2017	0.045				0.025
7/20/2017				0.011	
7/24/2017		0.015	0.0089		
1/11/2018	0.046	0.013	0.01	0.01	0.023
7/11/2018					0.025
7/12/2018	0.045	0.024	0.016	0.011	
1/29/2019					0.027
1/30/2019	0.05	0.023	0.014 (J)	0.011 (J)	
3/26/2019					0.028
3/27/2019	0.045	0.019	0.013	0.0099	
9/11/2019	0.038	0.021	0.011	0.01	0.023
4/1/2020	0.041	0.035		0.0097 (J)	0.026
4/2/2020			0.011		
9/15/2020	0.038	0.023	0.015		0.023
9/16/2020				0.011	
3/16/2021	0.039	0.019		0.01	
3/17/2021			0.016		0.028



# Time Series

Constituent: Barium (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.021	0.053	0.057		
12/9/2015				0.039	0.024
12/14/2015	0.021	0.049		0.045	0.027
12/15/2015			0.052		
12/28/2015	0.02	0.048	0.041		
12/29/2015				0.045	0.027
1/13/2016	0.019				
1/14/2016		0.048	0.038	0.034	0.025
1/25/2016				0.038	0.023
1/26/2016	0.019	0.044	0.034		
4/19/2016		0.0308	0.023		
4/20/2016	0.0188				
4/21/2016				0.0325	0.0165
6/15/2016	0.017				
6/16/2016		0.029	0.017	0.027	0.018
8/9/2016	0.018				
8/10/2016			0.013	0.025	0.014
8/11/2016		0.023			
9/27/2016	0.016			0.023	0.018
9/28/2016		0.024	0.013		
11/15/2016	0.017		0.013	0.022	0.015
11/16/2016		0.022			
1/11/2017	0.017	0.017			
1/12/2017					0.014
1/13/2017				0.021	
1/16/2017			0.014		
3/1/2017	0.017	0.02	0.017	0.021	0.015
4/20/2017	0.016				
4/24/2017					0.015
4/25/2017		0.02	0.015	0.02	
7/19/2017	0.017				
7/25/2017		0.017	0.012	0.02	0.015
1/11/2018	0.017				0.016
1/12/2018		0.015	0.014	0.021	
7/11/2018	0.017	0.013	0.018	0.021	0.017
1/29/2019	0.02		0.016	0.017	
1/30/2019		0.02			0.017
3/27/2019	0.017	0.014	0.013	0.018	0.016
9/11/2019	0.021	0.018	0.015	0.021	0.019
4/1/2020	0.019	0.013	0.013	0.016	0.018
9/15/2020	0.018	0.014		0.021	0.021
9/16/2020			0.012		
3/16/2021	0.017		0.0099 (J)	0.016	
3/17/2021		0.013			0.019

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/27/2021 11:41 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0096	0.016	0.029
9/11/2004		0.024	0.02	0.031
9/26/2004		0.027	0.016	0.03
10/13/2004		0.022	0.014	0.024
7/11/2005		0.029	0.014	0.022
12/7/2005		0.023	0.014	0.032
6/22/2006		0.026	0.019	0.026
11/28/2006		0.039	0.016	0.02
7/6/2007		0.037	0.018	0.018
12/13/2007		0.029	0.015	0.017
6/20/2008		0.037	0.018	0.018
12/7/2008		0.025	0.016	0.016
7/9/2009		0.028	0.019	0.019
12/29/2009			0.02	0.02
12/30/2009		0.017		
6/22/2010		0.032	0.027	0.022
1/4/2011		0.02	0.025	
1/5/2011				0.021
7/9/2011			0.022	0.021
7/10/2011		0.032		
1/21/2012		0.026	0.024	0.021
7/11/2012		0.023	0.024	0.021
1/19/2013			0.026	0.024
1/20/2013		0.011		
7/18/2013			0.024	0.024
7/19/2013		0.018		
1/15/2014			0.026	0.022
1/16/2014		0.015		
7/10/2014		0.025	0.036	0.023
1/15/2015			0.035	
1/16/2015		0.022		0.015
6/19/2015			0.066	
6/20/2015		0.015		0.024
1/14/2016		0.016	0.059	0.026
4/19/2016				0.0274
4/20/2016		0.0234	0.0553	
6/14/2016		0.019	0.035	
6/15/2016				0.024
6/16/2016	0.057			
8/9/2016			0.035	
8/10/2016	0.072			0.031
8/11/2016		0.024		
9/27/2016		0.035	0.038	0.029
9/28/2016	0.076			
11/14/2016		0.034		
11/15/2016			0.039	0.029
11/16/2016	0.057			
1/10/2017		0.021		
1/11/2017			0.037	
1/13/2017				0.025
1/17/2017	0.049			
1/19/2017			0.079	

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.42 (o)
2/28/2017		0.021	0.042
3/1/2017			0.03
3/2/2017	0.067		
4/20/2017		0.019	0.04
4/24/2017			0.024
4/25/2017	0.049		
7/13/2017	0.04		
7/18/2017		0.018	0.04
7/24/2017			0.026
7/25/2017	0.038		
1/10/2018		0.021	0.048
1/12/2018	0.037		0.027
7/11/2018		0.029	0.044
7/12/2018	0.037		0.031
1/29/2019		0.025	0.05
1/30/2019	0.034		0.032
3/26/2019		0.023	0.046
3/27/2019	0.027		0.023
9/10/2019		0.026	0.044
9/11/2019	0.023		0.029
3/31/2020		0.017	0.044
4/1/2020	0.024		0.021
9/15/2020	0.024		0.041
9/16/2020		0.016	0.033
3/17/2021	0.024	0.014	0.04

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					0.0018
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				<0.0025	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				0.00011 (J)	<0.0025
7/11/2014				0.0001 (J)	<0.0025
1/15/2015					<0.0025
1/16/2015				<0.0025	
6/19/2015					<0.0025
6/20/2015				<0.0025	
12/7/2015	<0.0025	<0.0025	<0.0025		
12/14/2015			<0.0025		
12/15/2015	<0.0025	<0.0025			
12/28/2015			<0.0025		
12/29/2015		<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025		
1/16/2016				<0.0025	<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	7.1E-05 (J)	4.4E-05 (J)		6.5E-05 (J)	3.2E-05 (J)
6/15/2016			0.00011 (J)		
8/9/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025		<0.0025
11/14/2016					<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/10/2017				<0.0025	<0.0025
1/11/2017		<0.0025	<0.0025		
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025		<0.0025	<0.0025

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.0025		
4/19/2017				<0.0025	<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025		
7/17/2017				<0.0025	
7/18/2017	<0.0025				<0.0025
7/19/2017		<0.0025	<0.0025		
1/10/2018	<0.0025			<0.0025	<0.0025
1/11/2018		<0.0025	<0.0025		
7/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025	6.3E-05 (J)	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				<0.0025	<0.0025
9/10/2019	0.0008 (J)	0.00025 (J)	0.00036 (J)		
9/11/2019				<0.0025	<0.0025
3/31/2020	<0.0025				
4/1/2020		<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	<0.0025	<0.0025	<0.0025	0.00024 (J)	<0.0025
3/16/2021	0.0002 (J)	<0.0025	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*]GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	<0.0025		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	<0.0025		
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2013			<0.0025	<0.0025	
1/20/2013	<0.0025	<0.0025			
7/18/2013				<0.0025	
7/19/2013	<0.0025	<0.0025	<0.0025		
1/15/2014	0.00016 (J)		<0.0025	0.00017 (J)	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	0.00018 (J)		<0.0025	0.00024 (J)	
1/15/2015				0.00015 (J)	
1/16/2015	0.00016 (J)	<0.0025	<0.0025		
6/19/2015				0.00016 (J)	
6/20/2015	0.00017 (J)	0.00013 (J)	<0.0025		
12/7/2015				<0.0025	
12/15/2015				<0.0025	
12/28/2015				<0.0025	
1/13/2016				<0.0025	
1/14/2016			<0.0025		
1/16/2016	8E-05 (J)	<0.0025		0.00014 (J)	
1/25/2016					<0.0025
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	0.00012 (J)		<0.0025	0.00014 (J)	3.8E-05 (J)
6/16/2016		8.5E-05 (J)			
8/9/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/11/2017					<0.0025

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	
1/23/2017	<0.0025				
2/28/2017					<0.0025
3/1/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/20/2017	<0.0025			<0.0025	<0.0025
4/24/2017		<0.0025	<0.0025		
7/19/2017	<0.0025				<0.0025
7/20/2017				<0.0025	
7/24/2017		<0.0025	<0.0025		
1/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/11/2018					<0.0025
7/12/2018	<0.0025	<0.0025	<0.0025	<0.0025	
1/29/2019					<0.0025
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2019	0.00021 (J)	<0.0025	<0.0025	0.00022 (J)	<0.0025
4/1/2020	<0.0025	<0.0025		<0.0025	<0.0025
4/2/2020			0.00023 (J)		
9/15/2020	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2020				<0.0025	
3/16/2021	0.00022 (J)	0.00033 (J)		0.00037 (J)	
3/17/2021			0.00048 (J)		<0.0025

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.00046 (J)	<0.0025	0.00018 (J)		
12/9/2015				0.00026 (J)	<0.0025
12/14/2015	0.00052 (J)	<0.0025		0.00032 (J)	<0.0025
12/15/2015			0.00014 (J)		
12/28/2015	0.00057 (J)	<0.0025	9E-05 (J)		
12/29/2015				0.00043 (J)	<0.0025
1/13/2016	0.00056 (J)				
1/14/2016		<0.0025	0.0001 (J)	0.00032 (J)	<0.0025
1/25/2016				0.00038 (J)	<0.0025
1/26/2016	0.00057 (J)	<0.0025	0.00011 (J)		
4/19/2016		<0.0025	<0.0025		
4/20/2016	<0.003 (o)				
4/21/2016				<0.0025	<0.0025
6/15/2016	0.00056 (J)				
6/16/2016		<0.0025	0.00011 (J)	0.00032 (J)	<0.0025
8/9/2016	0.00054 (J)				
8/10/2016			<0.0025	<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	0.00056 (J)			<0.0025	0.00064 (J)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00047 (J)		<0.0025	<0.0025	<0.0025
11/16/2016		<0.0025			
1/11/2017	0.00066 (J)	<0.0025			
1/12/2017					<0.0025
1/13/2017				<0.0025	
1/16/2017			<0.0025		
3/1/2017	0.00066 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2017	0.00055 (J)				
4/24/2017					<0.0025
4/25/2017		<0.0025	<0.0025	<0.0025	
7/19/2017	0.00061 (J)				
7/25/2017		<0.0025	<0.0025	<0.0025	<0.0025
1/11/2018	0.00064 (J)				<0.0025
1/12/2018		<0.0025	<0.0025	<0.0025	
7/11/2018	0.00065 (J)	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	0.00062 (J)		0.00023 (J)	0.00016 (J)	
1/30/2019		<0.0025			<0.0025
3/27/2019	0.00062	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.001	0.00026 (J)	0.00058 (J)	0.00052 (J)	0.00054 (J)
4/1/2020	0.00058 (J)	<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	0.00063 (J)	<0.0025		0.00025 (J)	<0.0025
9/16/2020			0.00022 (J)		
3/16/2021	0.00062 (J)		0.00024 (J)	0.00022 (J)	
3/17/2021		<0.0025			<0.0025



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025
7/11/2005		<0.0025	0.0011
12/7/2005		<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025
12/29/2009		<0.0025	<0.0025
12/30/2009		<0.0025	
6/22/2010		<0.0025	<0.0025
1/4/2011		<0.0025	
1/5/2011			<0.0025
7/9/2011		<0.0025	<0.0025
7/10/2011		<0.0025	
1/21/2012		<0.0025	<0.0025
7/11/2012		<0.0025	<0.0025
1/19/2013		<0.0025	<0.0025
1/20/2013		<0.0025	
7/18/2013		<0.0025	<0.0025
7/19/2013		<0.0025	
1/15/2014		<0.0025	<0.0025
1/16/2014		<0.0025	
7/10/2014		0.0001 (J)	<0.0025
1/15/2015		<0.0025	
1/16/2015		<0.0025	<0.0025
6/19/2015		0.00013 (J)	
6/20/2015		<0.0025	<0.0025
1/14/2016		<0.0025	<0.0025
4/19/2016			<0.0025
4/20/2016		<0.0025	<0.0025
6/14/2016		8.7E-05 (J)	5.4E-05 (J)
6/15/2016			7.7E-05 (J)
6/16/2016	<0.0025		
8/9/2016		<0.0025	
8/10/2016	<0.0025		<0.0025
8/11/2016		<0.0025	
9/27/2016		<0.0025	<0.0025
9/28/2016	<0.0025		
11/14/2016		<0.0025	
11/15/2016		<0.0025	<0.0025
11/16/2016	<0.0025		
1/10/2017		<0.0025	
1/11/2017		<0.0025	
1/13/2017			<0.0025
1/17/2017	<0.0025		
1/19/2017		<0.0025	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		<0.0025	<0.0025
2/28/2017		<0.0025	<0.0025
3/1/2017			<0.0025
3/2/2017	<0.0025		
4/20/2017		<0.0025	<0.0025
4/24/2017			<0.0025
4/25/2017	<0.0025		
7/13/2017	<0.0025		
7/18/2017		<0.0025	<0.0025
7/24/2017			<0.0025
7/25/2017	<0.0025		
1/10/2018		<0.0025	<0.0025
1/12/2018	<0.0025		<0.0025
7/11/2018		<0.0025	<0.0025
7/12/2018	<0.0025		<0.0025
1/29/2019		0.00011 (J)	<0.0025
1/30/2019	<0.0025		<0.0025
3/26/2019		<0.0025	<0.0025
3/27/2019	<0.0025		<0.0025
9/10/2019		0.0006 (J)	<0.0025
9/11/2019	0.00026 (J)		0.00021 (J)
3/31/2020		<0.0025	<0.0025
4/1/2020	<0.0025		<0.0025
9/15/2020	<0.0025		<0.0025
9/16/2020		<0.0025	<0.0025
3/17/2021	0.00018 (J)	<0.0025	<0.0025
			0.00024 (J)

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<0.08	<0.08
4/20/2016	<0.08	<0.08	<0.08		
6/14/2016	0.0086 (J)	0.0098 (J)		0.012 (J)	0.0077 (J)
6/15/2016			0.0085 (J)		
8/9/2016	<0.08	<0.08	<0.08	<0.08	<0.08
9/26/2016				<0.08	
9/27/2016	<0.08	<0.08	<0.08		<0.08
11/14/2016					<0.08
11/15/2016	<0.08	<0.08	<0.08	<0.08	
1/10/2017				<0.08	<0.08
1/11/2017		<0.08	<0.08		
1/12/2017	<0.08				
2/28/2017	<0.08	<0.08		0.022 (J)	<0.08
3/1/2017			<0.08		
4/19/2017				<0.08	<0.08
4/20/2017	<0.08	<0.08	<0.08		
10/10/2017				<0.08	
10/11/2017	<0.08	<0.08	<0.08		<0.08
1/10/2018	<0.08			<0.08	<0.08
1/11/2018		<0.08	<0.08		
7/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08
1/29/2019	<0.08	<0.08	<0.08	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08		
3/27/2019				<0.08	<0.08
9/10/2019	0.061 (J)	<0.08	<0.08		
9/11/2019				<0.08	<0.08
3/31/2020	<0.08				
4/1/2020		<0.08	<0.08	0.042 (J)	<0.08
9/15/2020	<0.08	<0.08	<0.08	<0.08	0.061 (J)
3/16/2021	<0.08	<0.08	<0.08	<0.08	<0.08

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<0.08		<0.08	<0.08	
4/21/2016		<0.08			<0.08
6/15/2016	0.017 (J)		0.011 (J)	0.01 (J)	0.0095 (J)
6/16/2016		0.017 (J)			
8/9/2016					<0.08
8/10/2016	<0.08	<0.08	<0.08	<0.08	
9/27/2016	<0.08	<0.08	<0.08	<0.08	<0.08
11/15/2016	<0.08	0.021 (J)	<0.08	<0.08	<0.08
1/11/2017					<0.08
1/12/2017	<0.08	0.041 (J)	<0.08	<0.08	
2/28/2017					<0.08
3/1/2017	<0.08	0.052	<0.08	<0.08	
4/20/2017	<0.08			<0.08	<0.08
4/24/2017		0.064	<0.08		
10/11/2017	<0.08		<0.08		<0.08
10/12/2017		0.06		<0.08	
12/12/2017		0.086			
1/11/2018	<0.08	0.06	<0.08	<0.08	<0.08
7/11/2018					<0.08
7/12/2018	<0.08	0.054	<0.08	<0.08	
1/29/2019					<0.08
1/30/2019	<0.08	0.055	<0.08	<0.08	
3/26/2019					<0.08
3/27/2019	<0.08	0.05	<0.08	<0.08	
9/11/2019	<0.08	0.067 (J)	<0.08	<0.08	<0.08
4/1/2020	<0.08	0.068 (J)		<0.08	<0.08
4/2/2020			0.066 (J)		
9/15/2020	<0.08	0.062 (J)	<0.08		<0.08
9/16/2020				<0.08	
3/16/2021	<0.08	0.045 (J)		<0.08	
3/17/2021			<0.08		<0.08

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		<0.08	<0.08		
4/20/2016	<0.08				
4/21/2016				<0.08	<0.08
6/15/2016	0.0095 (J)				
6/16/2016		0.011 (J)	0.0069 (J)	0.012 (J)	0.012 (J)
8/9/2016	<0.08				
8/10/2016			<0.08	<0.08	<0.08
8/11/2016		<0.08			
9/27/2016	<0.08			<0.08	<0.08
9/28/2016		<0.08	<0.08		
11/15/2016	<0.08		<0.08	<0.08	<0.08
11/16/2016		<0.08			
1/11/2017	<0.08	<0.08			
1/12/2017					<0.08
1/13/2017				<0.08	
1/16/2017			<0.08		
3/1/2017	<0.08	<0.08	<0.08	<0.08	<0.08
4/20/2017	<0.08				
4/24/2017					<0.08
4/25/2017		<0.08	<0.08	<0.08	
10/11/2017	<0.08				
10/12/2017		<0.08	<0.08	<0.08	<0.08
1/11/2018	<0.08				<0.08
1/12/2018		<0.08	<0.08	<0.08	
7/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08
1/29/2019	<0.08		<0.08	<0.08	
1/30/2019		<0.08			<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/11/2019	<0.08	<0.08	<0.08	0.042 (J)	0.055 (J)
4/1/2020	<0.08	<0.08	<0.08	<0.08	<0.08
9/15/2020	<0.08	<0.08		<0.08	<0.08
9/16/2020			0.046 (J)		
3/16/2021	<0.08		<0.08	<0.08	
3/17/2021		<0.08			<0.08

# Time Series

Constituent: Boron (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			<0.08
4/20/2016		<0.08	<0.08
6/14/2016		0.01 (J)	0.011 (J)
6/15/2016			0.018 (J)
6/16/2016	0.017 (J)		
8/9/2016		<0.08	
8/10/2016	<0.08		<0.08
8/11/2016		<0.08	
9/27/2016		<0.08	<0.08
9/28/2016	<0.08		
11/14/2016		<0.08	
11/15/2016			<0.08
11/16/2016	<0.08		
1/10/2017		<0.08	
1/11/2017			<0.08
1/13/2017			<0.08
1/17/2017	<0.08		
2/28/2017		<0.08	<0.08
3/1/2017			<0.08
3/2/2017	<0.08		
4/20/2017		<0.08	<0.08
4/24/2017			<0.08
4/25/2017	<0.08		
7/13/2017	<0.08		
10/10/2017		<0.08	
10/11/2017			<0.08
10/12/2017	<0.08		<0.08
1/10/2018		<0.08	<0.08
1/12/2018	<0.08		<0.08
7/11/2018		<0.08	<0.08
7/12/2018	<0.08		<0.08
1/29/2019		<0.08	<0.08
1/30/2019	<0.08		<0.08
3/26/2019		<0.08	<0.08
3/27/2019	<0.08		<0.08
9/10/2019		0.052 (J)	<0.08
9/11/2019	0.04 (J)		<0.08
3/31/2020		<0.08	<0.08
4/1/2020	<0.08		<0.08
9/15/2020	<0.08		0.047 (J)
9/16/2020		0.056 (J)	0.042 (J)
3/17/2021	<0.08	<0.08	<0.08

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					<0.0025
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				<0.0025	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				<0.0025	<0.0025
7/11/2014				<0.0025	<0.0025
1/15/2015					<0.0025
1/16/2015				<0.0025	
6/19/2015					<0.0025
6/20/2015				<0.0025	
12/7/2015	<0.0025	<0.0025	<0.0025		
12/14/2015			<0.0025		
12/15/2015	<0.0025	<0.0025			
12/28/2015			<0.0025		
12/29/2015	<0.0025	<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025		
1/16/2016				<0.0025	<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	0.001	6.2E-05 (J)		<0.0025	<0.0025
6/15/2016			<0.0025		
8/9/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025		<0.0025
11/14/2016					<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/10/2017				<0.0025	<0.0025
1/11/2017		<0.0025	<0.0025		
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025		<0.0025	<0.0025

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.0025		
4/19/2017				<0.0025	<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025		
7/17/2017				<0.0025	
7/18/2017	<0.0025				<0.0025
7/19/2017		<0.0025	<0.0025		
1/10/2018	<0.0025			<0.0025	<0.0025
1/11/2018		<0.0025	<0.0025		
7/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				<0.0025	<0.0025
9/10/2019	0.00035 (J)	<0.0025	0.00015 (J)		
9/11/2019				<0.0025	<0.0025
3/31/2020	<0.0025				
4/1/2020		<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/16/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	<0.0025		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	<0.0025		
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2013			<0.0025	<0.0025	
1/20/2013	<0.0025	<0.0025			
7/18/2013				<0.0025	
7/19/2013	<0.0025	<0.0025	<0.0025		
1/15/2014	<0.0025		<0.0025	<0.0025	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	<0.0025		<0.0025	<0.0025	
1/15/2015				<0.0025	
1/16/2015	<0.0025	<0.0025	<0.0025		
6/19/2015				<0.0025	
6/20/2015	<0.0025	<0.0025	<0.0025		
12/7/2015					<0.0025
12/15/2015					<0.0025
12/28/2015					<0.0025
1/13/2016					<0.0025
1/14/2016			<0.0025		
1/16/2016	<0.0025	<0.0025		<0.0025	
1/25/2016					<0.0025
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	<0.0025		<0.0025	<0.0025	<0.0025
6/16/2016		<0.0025			
8/9/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/11/2017					<0.0025

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	
1/23/2017	<0.0025				
2/28/2017					<0.0025
3/1/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/20/2017	<0.0025			<0.0025	<0.0025
4/24/2017		<0.0025	<0.0025		
7/19/2017	<0.0025				<0.0025
7/20/2017				<0.0025	
7/24/2017		<0.0025	<0.0025		
1/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/11/2018					<0.0025
7/12/2018	<0.0025	<0.0025	<0.0025	<0.0025	
1/29/2019					<0.0025
1/30/2019	<0.0025	<0.0025	<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
4/1/2020	<0.0025	<0.0025		<0.0025	<0.0025
4/2/2020			<0.0025		
9/15/2020	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2020				<0.0025	
3/16/2021	<0.0025	<0.0025		<0.0025	
3/17/2021			<0.0025		<0.0025

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.00049 (J)	<0.0025	<0.0025		
12/9/2015				<0.0025	<0.0025
12/14/2015	0.00053 (J)	<0.0025		0.00031 (J)	<0.0025
12/15/2015			<0.0025		
12/28/2015	0.00061 (J)	<0.0025	<0.0025		
12/29/2015				0.00075 (J)	<0.0025
1/13/2016	0.00063 (J)				
1/14/2016		<0.0025	<0.0025	0.00039 (J)	<0.0025
1/25/2016				0.00078 (J)	<0.0025
1/26/2016	0.00072 (J)	<0.0025	<0.0025		
4/19/2016		<0.0025	0.00017 (J)		
4/20/2016	0.000633 (J)				
4/21/2016				0.00052 (J)	<0.0025
6/15/2016	0.00055 (J)				
6/16/2016		8.5E-05 (J)	0.00018 (J)	0.00044 (J)	0.00012 (J)
8/9/2016	0.00046 (J)				
8/10/2016			<0.0025	<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	0.00071 (J)			<0.0025	0.00062 (J)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00056 (J)		<0.0025	<0.0025	<0.0025
11/16/2016		<0.0025			
1/11/2017	0.0007 (J)	<0.0025			
1/12/2017					<0.0025
1/13/2017				0.00036 (J)	
1/16/2017			<0.0025		
3/1/2017	0.00063 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2017	0.00055 (J)				
4/24/2017					<0.0025
4/25/2017		<0.0025	<0.0025	<0.0025	
7/19/2017	0.00072 (J)				
7/25/2017		<0.0025	<0.0025	<0.0025	<0.0025
1/11/2018	0.00062 (J)				<0.0025
1/12/2018		<0.0025	<0.0025	<0.0025	
7/11/2018	0.0004 (J)	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	0.00062 (J)		0.0002 (J)	0.00016 (J)	
1/30/2019		<0.0025			0.00014 (J)
3/27/2019	0.00041	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.00064 (J)	<0.0025	0.00031 (J)	0.00029 (J)	0.00029 (J)
4/1/2020	0.00048 (J)	<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	0.00046 (J)	<0.0025		<0.0025	<0.0025
9/16/2020			<0.0025		
3/16/2021	0.00057 (J)		<0.0025	<0.0025	
3/17/2021		<0.0025			<0.0025

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025
7/11/2005		<0.0025	<0.0025
12/7/2005		<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025
12/29/2009		<0.0025	<0.0025
12/30/2009		<0.0025	
6/22/2010		<0.0025	<0.0025
1/4/2011		<0.0025	
1/5/2011			<0.0025
7/9/2011		<0.0025	<0.0025
7/10/2011		<0.0025	
1/21/2012		<0.0025	<0.0025
7/11/2012		<0.0025	<0.0025
1/19/2013		<0.0025	<0.0025
1/20/2013		<0.0025	
7/18/2013		<0.0025	<0.0025
7/19/2013		<0.0025	
1/15/2014		<0.0025	<0.0025
1/16/2014		<0.0025	
7/10/2014		<0.0025	<0.0025
1/15/2015		<0.0025	
1/16/2015		<0.0025	<0.0025
6/19/2015		<0.0025	
6/20/2015		<0.0025	<0.0025
1/14/2016		<0.0025	<0.0025
4/19/2016			<0.0025
4/20/2016		0.000111 (J)	<0.0025
6/14/2016		0.00013 (J)	<0.0025
6/15/2016			<0.0025
6/16/2016	<0.0025		
8/9/2016		<0.0025	
8/10/2016	<0.0025		<0.0025
8/11/2016		<0.0025	
9/27/2016		<0.0025	<0.0025
9/28/2016	<0.0025		
11/14/2016		<0.0025	
11/15/2016		<0.0025	<0.0025
11/16/2016	<0.0025		
1/10/2017		<0.0025	
1/11/2017		<0.0025	
1/13/2017			<0.0025
1/17/2017	<0.0025		
1/19/2017		<0.0025	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		<0.0025	<0.0025
2/28/2017		<0.0025	<0.0025
3/1/2017			<0.0025
3/2/2017	<0.0025		
4/20/2017		<0.0025	<0.0025
4/24/2017			<0.0025
4/25/2017	<0.0025		
7/13/2017	<0.0025		
7/18/2017		<0.0025	<0.0025
7/24/2017			<0.0025
7/25/2017	<0.0025		
1/10/2018		<0.0025	<0.0025
1/12/2018	<0.0025		<0.0025
7/11/2018		<0.0025	<0.0025
7/12/2018	<0.0025		<0.0025
1/29/2019		<0.0025	<0.0025
1/30/2019	0.00015 (J)		<0.0025
3/26/2019		<0.0025	<0.0025
3/27/2019	<0.0025		<0.0025
9/10/2019		0.00019 (J)	<0.0025
9/11/2019	0.00018 (J)		<0.0025
3/31/2020		<0.0025	<0.0025
4/1/2020	<0.0025		<0.0025
9/15/2020	<0.0025		<0.0025
9/16/2020		<0.0025	<0.0025
3/17/2021	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				0.485 (J)	1.13
4/20/2016	0.389 (J)	0.686	0.472 (J)		
6/14/2016	0.37 (J)	0.62		0.72	1
6/15/2016			0.42 (J)		
8/9/2016	0.14 (J)	0.39	0.19	0.24 (J)	0.71
9/26/2016				0.48	
9/27/2016	0.33	0.52	0.39		0.77
11/14/2016					0.75
11/15/2016	0.28	0.5	0.39	0.54	
1/10/2017				0.62	0.73
1/11/2017		0.47	0.36		
1/12/2017	0.37				
2/28/2017	0.26	0.47		0.91	0.76
3/1/2017			0.38		
4/19/2017				0.75	0.69
4/20/2017	0.27	0.5	0.41		
10/10/2017				0.54	
10/11/2017	0.3	0.49	0.4		0.73
1/10/2018	0.27			0.52	0.88
1/11/2018		0.51	0.43		
7/11/2018	0.32	0.47	0.45	0.5	0.81
1/29/2019	0.33	0.51	0.41	0.53	0.85
3/26/2019	0.3	0.42	0.37		
3/27/2019				0.37	0.73
9/10/2019	0.37 (J)	0.47 (J)	0.41 (J)		
9/11/2019				0.43 (J)	0.76
3/31/2020	0.42 (J)				
4/1/2020		0.49 (J)	0.43 (J)	0.47 (J)	0.72
9/15/2020	0.32 (J)	0.6	0.42 (J)	0.42 (J)	0.84
3/16/2021	0.4 (J)	0.51	0.48 (J)	0.4 (J)	0.75

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	3.22		8.94	0.69	
4/21/2016		13.9			0.686
6/15/2016	3		10.6	0.69	0.61
6/16/2016		18.9			
8/9/2016					0.21 (J)
8/10/2016	2.1	13	7.6	0.45	
9/27/2016	2.3	14	8.7	0.61	0.4
11/15/2016	2.4	13	8.4	0.61	0.35
1/11/2017					0.34
1/12/2017	2.5	14	8.1	0.6	
2/28/2017					0.37
3/1/2017	2.7	15	8.9	0.61	
4/20/2017	2.6			0.65	0.43
4/24/2017		14	8.8		
10/11/2017	2.4		10		0.41
10/12/2017		16		0.76	
12/12/2017		23			
12/13/2017			11		
1/11/2018	2.4	15	9.3	0.78	0.41
7/11/2018					0.53
7/12/2018	1.8	27	13	0.67	
1/29/2019					0.91
1/30/2019	2.5	26	11	0.68 (J)	
3/26/2019					0.58
3/27/2019	2.4	22	13	0.62	
9/11/2019	1.4	26	9.3	0.62	0.42 (J)
4/1/2020	1.9	21		0.7	2.3
4/2/2020			8.5		
9/15/2020	1.3	27	13		0.38 (J)
9/16/2020				0.64	
3/16/2021	1.6	18		0.62	
3/17/2021			14		5.5

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		26	10.3		
4/20/2016	2.48				
4/21/2016				2.29	2.78
6/15/2016	2.2				
6/16/2016		33.2	10.4	2.4	2.9
8/9/2016	1.8				
8/10/2016			6.7	1.4	0.99
8/11/2016		18			
9/27/2016	1.9			1.4	1.3
9/28/2016		17	6.9		
11/15/2016	2.1		7.5	1.3	1.1
11/16/2016		17			
1/11/2017	2	15			
1/12/2017					0.93
1/13/2017				1.3	
1/16/2017			8		
3/1/2017	2.1	16	8.5	1.4	1
4/20/2017	2				
4/24/2017					1.1
4/25/2017		17	8.2	1.4	
10/11/2017	2.1				
10/12/2017		14	9.5	1.7	1.1
12/12/2017			9.1		
12/13/2017		12			
1/11/2018	2.1				1
1/12/2018		15	9.5	1.7	
7/11/2018	2.1	12	10	1.7	1.1
1/29/2019	2.2		9.2	1.8	
1/30/2019		14			1 (J)
3/27/2019	2	11	9.2	1.5	1.1
9/11/2019	2	13	8.2	1.5	1
4/1/2020	2.1	11	8.7	1.8	1.1
9/15/2020	2	10		1.5	1.1
9/16/2020			7.6		
3/16/2021	2		7	1.4	
3/17/2021		9.1			1.1



# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5*GWB-5]...	GWC-9
4/19/2016			0.431 (J)
4/20/2016		1.12	4.39
6/14/2016		1.1	2.4
6/15/2016			0.27 (J)
6/16/2016	15.6		
8/9/2016		2	
8/10/2016	10		0.13 (J)
8/11/2016		1.9	
9/27/2016		3.4	2.9
9/28/2016	8.5		0.21 (J)
11/14/2016		3.1	
11/15/2016			2.5
11/16/2016	8.4		0.27
1/10/2017		1.5	
1/11/2017			2.5
1/13/2017			0.41
1/17/2017	3		
2/28/2017		1.1	2.7
3/1/2017			0.25
3/2/2017	3.3		
4/20/2017		0.98	2.8
4/24/2017			0.34
4/25/2017	2.5		
7/13/2017	2.1		
10/10/2017		0.8	
10/11/2017			3.3
10/12/2017	1.5		0.21 (J)
1/10/2018		0.82	3.3
1/12/2018	1.4		0.4
7/11/2018		1	3
7/12/2018	1.2		0.49
1/29/2019		0.83	3.3
1/30/2019	1.1 (J)		0.38 (J)
3/26/2019		0.53	2.8
3/27/2019	1.4		0.28
9/10/2019		0.64	2.3
9/11/2019	1.4		0.44 (J)
3/31/2020		0.8	2.9
4/1/2020	1.4		0.2 (J)
9/15/2020	1.3		2.2
9/16/2020		0.43 (J)	0.45 (J)
3/17/2021	0.99	0.33 (J)	2.4

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				5.01	9.4
4/20/2016	3.49	4.55	3.92		
6/14/2016	3.4	4.3		5	8.3
6/15/2016			3.8		
8/9/2016	3.7	4.5	4	5.1	8.6
9/26/2016				5.1	
9/27/2016	3.8	4.4	3.9		6.3
11/14/2016					6.1
11/15/2016	3.8	4.5	4	5.2	
1/10/2017				4.9	6.1
1/11/2017		4.3	3.7		
1/12/2017	3.5				
2/28/2017	3.6	4		4.7	6.2
3/1/2017			3.5		
4/19/2017				4.4	5
4/20/2017	3.4	4	3.6		
10/10/2017				4.7	
10/11/2017	3.4	4	3.5		4.1
1/10/2018	3.4			4.6	4.2
1/11/2018		3.9	3.4		
7/11/2018	3.4	4.2	3.7	5	4.3
1/29/2019	3.6	4	3.8	5	4
3/26/2019	3.5	4.1	3.6		
3/27/2019				4.5	3.5
9/10/2019	3.3	4	3.7		
9/11/2019				4.8	3.5
3/31/2020	3.7				
4/1/2020		4.2	3.8	4.9	3.7
9/15/2020	3.5	4.3	3.7	4.9	3.4
3/16/2021	4	4.1	4.1	4.9	3.6

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	6.68		4.9	3.61	
4/21/2016		6.41			3.99
6/15/2016	7		4.6	3.3	3.5
6/16/2016		6			
8/9/2016					4
8/10/2016	7	6.8	5.1	3.8	
9/27/2016	6.4	6.1	4.9	3.7	3.9
11/15/2016	6.6	6.7	5	3.9	4
1/11/2017					3.8
1/12/2017	7.3	6.5	4.7	3.6	
2/28/2017					3.5
3/1/2017	7.5	6.3	4.4	3.4	
4/20/2017	6.8			3.5	3.3
4/24/2017		6.1	4.4		
10/11/2017	7		4.5		3.5
10/12/2017		6		3.5	
1/11/2018	7.5	5.9	4.3	3.4	3.4
7/11/2018					3.8
7/12/2018	7	5.1	4.3	3.7	
1/29/2019					3.7
1/30/2019	6.8	5.6	4.6	3.7	
3/26/2019					3.8
3/27/2019	6.8	5.3	4	3.3	
9/11/2019	6	5.4	4.4	3.5	3.7
4/1/2020	5.9	6.9		3.7	3.8
4/2/2020			4.6		
9/15/2020	6.1	6.2	4.1		3.6
9/16/2020				3.5	
3/16/2021	5.8	7.2		3.8	
3/17/2021			4.6		4

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		5.03	6.1		
4/20/2016	4.25				
4/21/2016				11.6	6.08
6/15/2016	4.1				
6/16/2016		4.7	5.7	10	5.8
8/9/2016	4.5				
8/10/2016			6.2	10	6.5
8/11/2016		5.3			
9/27/2016	4.4			8.9	6.4
9/28/2016		5.1	6.9		
11/15/2016	4.5		7.8	8.5	6.4
11/16/2016		5.2			
1/11/2017	4.2	5			
1/12/2017					6.3
1/13/2017				8.3	
1/16/2017			8.6		
3/1/2017	3.9	4.6	8.3	7.9	5.9
4/20/2017	4				
4/24/2017					5.9
4/25/2017		4.6	8.4	8.2	
10/11/2017	4.1				
10/12/2017		4.6	8.7	9.1	6.1
1/11/2018	4.1				5.8
1/12/2018		4.5	9	9	
7/11/2018	4.4	4.9	9.1	9.9	6.4
9/13/2018				8.9	
1/29/2019	4.5		8.2	8.8	
1/30/2019		4.8			6.7
3/27/2019	4.1	4.3	7.5	8.9	6.3
9/11/2019	4.3	4.5	7.7	8.7	6.7
4/1/2020	4.6	4.7	7.3	8.6	6.5
9/15/2020	4.3	4.4		8.7	6.5
9/16/2020			6.5		
3/16/2021	4.9		6.5	8	
3/17/2021		4.7			6.7

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			14.4
4/20/2016		2.93	3.69
6/14/2016		2.9	3.5
6/15/2016			12
6/16/2016	5.1		
8/9/2016		3.7	
8/10/2016	4.4		13
8/11/2016		3.6	
9/27/2016		3.4	3.6
9/28/2016	4		12
11/14/2016		4.2	
11/15/2016			3.7
11/16/2016	4.1		11
1/10/2017		3.6	
1/11/2017			3.5
1/13/2017			11
1/17/2017	4.3		
2/28/2017		3.3	3.3
3/1/2017			11
3/2/2017	4		
4/20/2017		3.5	3.3
4/24/2017			9.3
4/25/2017	4.1		
7/13/2017	4.2		
10/10/2017		3.9	
10/11/2017			3.2
10/12/2017	4.3		9.8
12/12/2017			10
1/10/2018		3.3	3.2
1/12/2018	4.3		9
7/11/2018		3.2	3.5
7/12/2018	4.9		9.4
9/13/2018			9.1
1/29/2019		3.4	3.6
1/30/2019	7.4		9.1
3/26/2019		3.7	3.6
3/27/2019	4.2		10
6/17/2019			9.4
9/10/2019		3.6	3.5
9/11/2019	4.6		9.3
3/31/2020		4.9	4.1
4/1/2020	4.9		9.7
9/15/2020	5		18
9/16/2020		3.5	8.6
3/17/2021	5.5	4.5	4.2
			9.5

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				<0.002	0.0024
9/26/2004				<0.002	<0.002
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				0.0024	0.0021
11/28/2006				0.0019	0.0023
7/6/2007				0.0021	0.0049
12/13/2007				0.0021	0.0013
6/20/2008				0.0017	0.0025
12/7/2008				0.0018	0.0034
7/9/2009				0.0015	<0.002
12/28/2009				0.002	0.0021
6/22/2010				0.0017	0.0018
1/4/2011				0.002	
1/5/2011					0.077 (O)
7/9/2011				0.0027	0.004
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				0.0061 (O)	<0.002
1/19/2013					0.0013
1/20/2013				0.002	
7/18/2013					0.0022
7/19/2013				0.0021	
1/15/2014				0.0029	0.0019
7/11/2014				0.002	0.0014
1/15/2015					0.0011 (J)
1/16/2015				0.0026	
6/19/2015					0.0012 (J)
6/20/2015				0.002	
12/7/2015	<0.002	<0.002	<0.002		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/16/2016				0.0015	0.0014
1/25/2016	<0.002	<0.002	<0.002		
4/19/2016				<0.002	<0.002
4/20/2016	<0.01 (o)	<0.002	<0.002		
6/14/2016	0.0094 (J)	0.00086 (J)		0.0017 (J)	0.00085 (J)
6/15/2016			0.00072 (J)		
8/9/2016	<0.002	<0.002	<0.002	0.0014 (J)	<0.002
9/26/2016				0.0016 (J)	
9/27/2016	<0.002	<0.002	<0.002		<0.002
11/14/2016					0.0011 (J)
11/15/2016	<0.002	<0.002	0.0011 (J)	0.0015 (J)	
1/10/2017				0.0015 (J)	0.0012 (J)
1/11/2017		<0.002	0.0012 (J)		
1/12/2017	<0.002				
2/28/2017	0.0049	0.0047		0.0044	0.004
3/1/2017			0.0052		

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2017				0.0011 (J)	0.0011 (J)
4/20/2017	0.0011 (J)	<0.002	0.0013 (J)		
7/17/2017				0.0011 (J)	
7/18/2017	<0.002				<0.002
7/19/2017		<0.002	0.0015 (J)		
1/10/2018	<0.002			0.0014 (J)	0.0012 (J)
1/11/2018		<0.002	0.0013 (J)		
7/11/2018	<0.002	<0.002	0.0012 (J)	0.0011 (J)	0.0011 (J)
1/29/2019	0.0037 (J)	<0.002	<0.002	<0.002	<0.002
3/26/2019	0.0014	<0.002	0.0015		
3/27/2019				0.0016	0.0014
9/10/2019	0.0052	0.004	0.004		
9/11/2019				0.004	0.0034
3/31/2020	0.0019 (J)				
4/1/2020		<0.002	0.024	0.0017 (J)	<0.002
9/15/2020	<0.002	<0.002	0.0015 (J)	0.0015 (J)	<0.002
3/16/2021	<0.002	<0.002	0.0017 (J)	0.0015 (J)	0.0015 (J)

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	0.0033	<0.002	
9/11/2004	<0.002	0.0027	0.0038	<0.002	
9/26/2004	<0.002	<0.002	0.0031	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	0.0036	0.0039	<0.002	
12/7/2005	0.0021	0.0042	0.0053	<0.002	
6/22/2006	0.002	0.0045	0.0069	0.002	
11/28/2006	0.0024	0.0017	0.0056	0.0015	
7/6/2007	0.0034	<0.002	0.0063	0.0021	
12/13/2007	0.0029	<0.002	0.0058	0.0025	
6/20/2008	0.002	<0.002	0.013	0.0017	
12/7/2008	0.072 (Q)	<0.002	0.0048	0.0016	
2/6/2009	0.0035				
7/9/2009	0.0017				
7/10/2009		0.0021	0.0086	0.0017	
12/28/2009	<0.002			0.0018	
12/29/2009		0.0023	0.0077		
6/22/2010	<0.002	0.0051	0.0046	0.0018	
1/4/2011	0.0023	0.0026		0.0039	
1/5/2011			0.0053		
7/9/2011	0.005		0.007	0.0041	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	0.0073		
7/11/2012	0.0023	0.0018	0.01	0.0052	
1/19/2013			0.0058	0.0025	
1/20/2013	0.003	0.0014			
7/18/2013				0.0035	
7/19/2013	<0.002	0.0032	0.005		
1/15/2014	0.002		0.0081	0.0082	
1/16/2014		0.0058			
7/10/2014		0.0034			
7/11/2014	0.0012 (J)		0.0087	0.0048	
1/15/2015				0.0022	
1/16/2015	0.0011 (J)	0.0024	0.0061		
6/19/2015				0.0024	
6/20/2015	0.0028	0.0072	0.005		
12/7/2015					<0.002
12/15/2015					<0.002
12/28/2015					<0.002
1/14/2016			0.0045		
1/16/2016	0.0013	0.0076		0.002	
1/25/2016					<0.002
4/20/2016	<0.002		0.00856 (J)	<0.002	
4/21/2016		0.00617 (J)			<0.002
6/15/2016	0.0011 (J)		0.0061 (J)	0.0016 (J)	0.0008 (J)
6/16/2016		0.007 (J)			
8/9/2016					<0.002
8/10/2016	0.0015 (J)	0.0056	0.0052	0.0016 (J)	
9/27/2016	0.0018 (J)	0.0057	0.0051	0.0019 (J)	<0.002
11/15/2016	0.0019 (J)	0.0062	0.005	0.0017 (J)	<0.002
1/11/2017					<0.002



# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.0012 (J)	0.0061	0.0051	0.0017 (J)	
1/23/2017	<0.002				
2/28/2017					0.0051
3/1/2017	0.0049	0.01	0.0088	0.0055	
4/20/2017	<0.002			0.0016 (J)	0.0012 (J)
4/24/2017		0.0053	0.0049		
7/19/2017	0.0017 (J)				0.0013 (J)
7/20/2017				0.0017 (J)	
7/24/2017		0.0055	0.0049		
1/11/2018	<0.002	0.0055	0.0044	0.0016 (J)	0.0011 (J)
7/11/2018					<0.002
7/12/2018	<0.002	0.0017 (J)	0.0023 (J)	0.0015 (J)	
1/29/2019					<0.002
1/30/2019	<0.002	0.0071 (J)	0.006 (J)	0.0039 (J)	
3/26/2019					0.0016
3/27/2019	<0.002	0.0035	0.0031	0.0019	
9/11/2019	0.0035	0.004	0.0071	0.0036	0.0038
4/1/2020	<0.002	0.0084		0.0019 (J)	0.0015 (J)
4/2/2020			0.0055		
9/15/2020	<0.002	0.0018 (J)	0.0028		<0.002
9/16/2020				0.0016 (J)	
3/16/2021	<0.002	0.0054		0.0019 (J)	
3/17/2021			0.0031		<0.002

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.002	0.0012 (J)	0.0026		
12/9/2015				<0.002	<0.002
12/14/2015	<0.002	0.0018		<0.002	<0.002
12/15/2015			0.0017		
12/28/2015	<0.002	0.0017	0.0016		
12/29/2015				<0.002	<0.002
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	0.0013	0.0016		
4/19/2016		0.00277 (J)	0.002		
4/20/2016	<0.002				
4/21/2016				<0.002	<0.002
6/15/2016	0.0018 (J)				
6/16/2016		0.0021 (J)	0.0016 (J)	0.0008 (J)	0.00031 (J)
8/9/2016	0.002 (J)				
8/10/2016			0.0016 (J)	<0.002	<0.002
8/11/2016		0.0023 (J)			
9/27/2016	0.0021 (J)			<0.002	0.35 (o)
9/28/2016		0.0022 (J)	<0.002		
11/15/2016	0.002 (J)		<0.002	<0.002	<0.002
11/16/2016		0.0019 (J)			
1/11/2017	0.0025	0.0025			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			0.0013 (J)		
3/1/2017	0.0067	0.0065	0.0056	0.005	0.0044
4/20/2017	0.0024 (J)				
4/24/2017					<0.002
4/25/2017		0.0026	0.0019 (J)	<0.002	
7/19/2017	0.0025				
7/25/2017		0.0023 (J)	0.0013 (J)	<0.002	<0.002
1/11/2018	0.0026				<0.002
1/12/2018		0.002 (J)	0.0017 (J)	<0.002	
7/11/2018	0.0025	0.0022 (J)	0.0011 (J)	<0.002	<0.002
1/29/2019	0.0041 (J)		<0.002	<0.002	
1/30/2019		0.0049 (J)			<0.002
3/27/2019	0.0028	0.0025	0.0014	<0.002	<0.002
9/11/2019	0.0059	0.0049	0.0043	0.0034	0.0025
4/1/2020	0.0032	0.0025	0.0018 (J)	<0.002	<0.002
9/15/2020	0.0027	0.0025		<0.002	<0.002
9/16/2020			0.0015 (J)		
3/16/2021	0.0031		0.0017 (J)	<0.002	
3/17/2021		0.0027			<0.002

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0022	0.22 (O) <0.002
9/11/2004		<0.002	<0.002 <0.002
9/26/2004		<0.002	<0.002 <0.002
10/13/2004		<0.002	<0.002 <0.002
7/11/2005		<0.002	0.0023 <0.002
12/7/2005		<0.002	<0.002 <0.002
6/22/2006		<0.002	<0.002 <0.002
11/28/2006		<0.002	<0.002 <0.002
7/6/2007		<0.002	<0.002 0.0017
12/13/2007		<0.002	<0.002 0.0021
6/20/2008		<0.002	<0.002 0.0021
12/7/2008		<0.002	<0.002 0.0018
7/9/2009		<0.002	<0.002 0.0024
12/29/2009			0.004 0.0021
12/30/2009		0.0078	
6/22/2010		<0.002	<0.002 <0.002
1/4/2011		0.0037	0.0027
1/5/2011			0.0034
7/9/2011			<0.002 0.0018
7/10/2011		<0.002	
1/21/2012		<0.002	<0.002 <0.002
7/11/2012		0.0096	0.0038 0.0038
1/19/2013			0.002 0.0065 (o)
1/20/2013		0.0052	
7/18/2013			0.0023 0.0029
7/19/2013		0.002	
1/15/2014			0.0012 (J) <0.002
1/16/2014		0.0061	
7/10/2014		<0.002	0.0012 (J) <0.002
1/15/2015			<0.002
1/16/2015		0.002	<0.002
6/19/2015			0.0037
6/20/2015		0.0011 (J)	<0.002
1/14/2016		0.0011 (J)	<0.002
4/19/2016			<0.002
4/20/2016		<0.002	<0.002
6/14/2016		0.0013 (J)	0.0011 (J)
6/15/2016			0.00021
6/16/2016	0.00023 (J)		
8/9/2016			<0.002
8/10/2016	<0.002		<0.002
8/11/2016		<0.002	
9/27/2016		<0.002	<0.002 <0.002
9/28/2016	<0.002		
11/14/2016		<0.002	
11/15/2016			<0.002 <0.002
11/16/2016	<0.002		
1/10/2017		<0.002	
1/11/2017			<0.002
1/13/2017			0.0012 (J)
1/17/2017	<0.002		
1/19/2017		0.002 (J)	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		<0.002	
2/28/2017		0.0048	0.0054
3/1/2017			0.0043
3/2/2017	0.0017 (J)		
4/20/2017		<0.002	0.0013 (J)
4/24/2017			<0.002
4/25/2017	<0.002		
7/13/2017	<0.002		
7/18/2017		<0.002	<0.002
7/24/2017			<0.002
7/25/2017	<0.002		
1/10/2018		<0.002	<0.002
1/12/2018	<0.002		<0.002
7/11/2018		<0.002	<0.002
7/12/2018	<0.002		<0.002
1/29/2019		<0.002	<0.002
1/30/2019	<0.002		<0.002
3/26/2019		<0.002	<0.002
3/27/2019	<0.002		<0.002
9/10/2019		0.0031	0.0041
9/11/2019	0.004		0.0025
3/31/2020		<0.002	<0.002
4/1/2020	0.0022		<0.002
9/15/2020	0.0023		<0.002
9/16/2020		<0.002	<0.002
3/17/2021	0.0027	<0.002	<0.002

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					0.0066 (o)
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				0.0017	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				0.0011 (J)	<0.0025
7/11/2014				0.0012 (J)	<0.0025
1/15/2015					<0.0025
1/16/2015				0.00083 (J)	
6/19/2015					<0.0025
6/20/2015				0.0013	
12/7/2015	0.0012 (J)	0.001 (J)	0.0012 (J)		
12/14/2015			0.001 (J)		
12/15/2015	0.00099 (J)	0.00078 (J)			
12/28/2015			0.0012 (J)		
12/29/2015	0.0012 (J)	0.00094 (J)			
1/13/2016	0.0012 (J)	0.001 (J)	0.001 (J)		
1/16/2016				0.0012 (J)	<0.0025
1/25/2016	0.00095 (J)	0.00085 (J)	0.00089 (J)		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	0.00072 (J)	0.00048 (J)		0.001 (J)	0.00044 (J)
6/15/2016			0.00063 (J)		
8/9/2016	0.00041 (J)	0.00045 (J)	0.00055 (J)	0.0012 (J)	0.00042 (J)
9/26/2016				0.0012 (J)	
9/27/2016	0.00058 (J)	0.00046 (J)	0.00059 (J)		0.00042 (J)
11/14/2016					<0.0025
11/15/2016	0.00048 (J)	<0.0025	0.0005 (J)	0.0013 (J)	
1/10/2017				0.0011 (J)	<0.0025
1/11/2017		<0.0025	0.00044 (J)		
1/12/2017	0.0014 (J)				
2/28/2017	0.00075 (J)	0.00051 (J)		0.0014 (J)	0.00048 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			0.00066 (J)		
4/19/2017				0.0012 (J)	<0.0025
4/20/2017	0.0005 (J)	<0.0025	0.00045 (J)		
7/17/2017				0.0013 (J)	
7/18/2017	0.00051 (J)				<0.0025
7/19/2017		<0.0025	0.00047 (J)		
1/10/2018	0.00049 (J)			0.0013 (J)	<0.0025
1/11/2018		<0.0025	0.00043 (J)		
7/11/2018	<0.0025	<0.0025	0.00043 (J)	0.0013 (J)	<0.0025
1/29/2019	0.00043 (J)	0.00029 (J)	0.00044 (J)	0.001 (J)	0.00035 (J)
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				0.0011	<0.0025
9/10/2019	0.00064	0.00042 (J)	0.0005		
9/11/2019				0.0015	0.00039 (J)
3/31/2020	0.00034 (J)				
4/1/2020		0.00033 (J)	0.00036 (J)	0.0013 (J)	0.00024 (J)
9/15/2020	<0.0025	<0.0025	<0.0025	0.00099 (J)	<0.0025
3/16/2021	0.0005 (J)	0.00035 (J)	0.00047 (J)	0.0013 (J)	0.00033 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	0.0071		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		0.0037	0.0039	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	0.0062		
7/11/2012	0.0013	<0.0025	0.007	0.012	
1/19/2013			<0.0025	<0.0025	
1/20/2013	0.0013	<0.0025			
7/18/2013				<0.0025	
7/19/2013	0.0015	<0.0025	<0.0025		
1/15/2014	0.0017		0.0028	0.005	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	0.0018		<0.0025	0.00079 (J)	
1/15/2015				0.00069 (J)	
1/16/2015	0.0019	<0.0025	0.0048		
6/19/2015				0.0007 (J)	
6/20/2015	0.002	0.0006 (J)	<0.0025		
12/7/2015					0.0011 (J)
12/15/2015					0.0011 (J)
12/28/2015					0.0016
1/13/2016					0.0016
1/14/2016			<0.0025		
1/16/2016	0.0015	<0.0025		0.00061 (J)	
1/25/2016					0.0014
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	0.0015 (J)		0.00011 (J)	0.00051 (J)	0.00047 (J)
6/16/2016		1E-05 (J)			
8/9/2016					<0.0025
8/10/2016	0.0016 (J)	<0.0025	<0.0025	0.00052 (J)	
9/27/2016	0.0016 (J)	<0.0025	<0.0025	0.00077 (J)	0.00045 (J)
11/15/2016	0.0015 (J)	<0.0025	<0.0025	0.00055 (J)	0.00048 (J)
1/11/2017					0.00046 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.0016 (J)	<0.0025	<0.0025	0.0005 (J)	
1/23/2017	<0.0025				
2/28/2017					0.00061 (J)
3/1/2017	0.0021 (J)	<0.0025	<0.0025	0.00079 (J)	
4/20/2017	0.0018 (J)			0.00056 (J)	0.00042 (J)
4/24/2017		<0.0025	<0.0025		
7/19/2017	0.0015 (J)				0.00041 (J)
7/20/2017				0.00051 (J)	
7/24/2017		<0.0025	<0.0025		
1/11/2018	0.0019 (J)	<0.0025	<0.0025	0.0006 (J)	0.00044 (J)
7/11/2018					0.0004 (J)
7/12/2018	0.0018 (J)	<0.0025	<0.0025	0.00056 (J)	
1/29/2019					0.00037 (J)
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	0.0017	<0.0025	<0.0025	0.00051	
9/11/2019	0.002	0.0001 (J)	<0.0025	0.00067	0.00044 (J)
4/1/2020	0.0016 (J)	<0.0025		0.00051 (J)	0.00036 (J)
4/2/2020			<0.0025		
9/15/2020	0.0014 (J)	<0.0025	<0.0025		<0.0025
9/16/2020				0.00023 (J)	
3/16/2021	0.0017 (J)	<0.0025		0.00058 (J)	
3/17/2021			0.00016 (J)		0.0004 (J)



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0018	<0.0025	0.00084 (J)		
12/9/2015				0.0055	0.0013
12/14/2015	0.0016	<0.0025		0.0073	0.0014
12/15/2015			0.00063 (J)		
12/28/2015	0.0015	<0.0025	0.00071 (J)		
12/29/2015				0.0076	0.0018
1/13/2016	0.0013				
1/14/2016		<0.0025	<0.0025	0.0056	0.0018
1/25/2016				0.0061	0.0019
1/26/2016	0.0012 (J)	<0.0025	<0.0025		
4/19/2016		<0.0025	<0.0025		
4/20/2016	<0.0025				
4/21/2016				0.00468 (J)	<0.0025
6/15/2016	0.00073 (J)				
6/16/2016		0.00017 (J)	6.7E-05 (J)	0.0032 (J)	0.0021 (J)
8/9/2016	0.00069 (J)				
8/10/2016			<0.0025	0.0025	0.0015 (J)
8/11/2016		<0.0025			
9/27/2016	0.00081 (J)			0.0023 (J)	0.015 (o)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00071 (J)		<0.0025	0.0019 (J)	0.0017 (J)
11/16/2016		<0.0025			
1/11/2017	0.00062 (J)	<0.0025			
1/12/2017					0.0014 (J)
1/13/2017				0.0017 (J)	
1/16/2017			<0.0025		
3/1/2017	0.00081 (J)	<0.0025	<0.0025	0.0021 (J)	0.0019 (J)
4/20/2017	0.00053 (J)				
4/24/2017					0.0015 (J)
4/25/2017		<0.0025	<0.0025	0.0016 (J)	
7/19/2017	0.00051 (J)				
7/25/2017		<0.0025	<0.0025	0.0016 (J)	0.0014 (J)
1/11/2018	0.00046 (J)				0.0013 (J)
1/12/2018		<0.0025	<0.0025	0.0014 (J)	
7/11/2018	<0.0025	<0.0025	<0.0025	0.0013 (J)	0.0012 (J)
1/29/2019	0.00038 (J)		<0.0025	0.00084 (J)	
1/30/2019		<0.0025			<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	0.0012	0.001
9/11/2019	0.00034 (J)	8.2E-05 (J)	9.9E-05 (J)	0.0014	0.0012
4/1/2020	0.00023 (J)	<0.0025	<0.0025	0.00094 (J)	0.00088 (J)
9/15/2020	<0.0025	<0.0025		0.00097 (J)	0.00088 (J)
9/16/2020			<0.0025		
3/16/2021	0.00027 (J)		<0.0025	0.0009 (J)	
3/17/2021		<0.0025			0.00092 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025
7/11/2005		<0.0025	<0.0025
12/7/2005		<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025
12/29/2009		0.011	<0.0025
12/30/2009		0.013	
6/22/2010		<0.0025	<0.0025
1/4/2011		<0.0025	
1/5/2011			<0.0025
7/9/2011		<0.0025	<0.0025
7/10/2011		<0.0025	
1/21/2012		0.0061	<0.0025
7/11/2012		0.01	0.0072
1/19/2013			<0.0025
1/20/2013		0.0033	0.0055
7/18/2013			<0.0025
7/19/2013		<0.0025	
1/15/2014			0.00075 (J)
1/16/2014		0.0027	0.00052 (J)
7/10/2014		<0.0025	0.0007 (J)
1/15/2015			0.0007 (J)
1/16/2015		0.0077	<0.0025
6/19/2015			0.0011 (J)
6/20/2015		<0.0025	0.00052 (J)
1/14/2016		<0.0025	0.00064 (J)
4/19/2016			<0.0025
4/20/2016		<0.0025	
6/14/2016		0.0004 (J)	0.0006 (J)
6/15/2016			0.00052 (J)
6/16/2016	0.0019 (J)		
8/9/2016			0.00062 (J)
8/10/2016	0.0051		0.0006 (J)
8/11/2016		0.0046	
9/27/2016		0.001 (J)	0.00059 (J)
9/28/2016	0.0058		0.00063 (J)
11/14/2016		<0.0025	
11/15/2016			0.00064 (J)
11/16/2016	0.0063		0.00053 (J)
1/10/2017		0.00044 (J)	
1/11/2017			0.00064 (J)
1/13/2017			0.00052 (J)
1/17/2017	0.0057		
1/19/2017			0.00046 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.009
2/28/2017		0.001 (J)	0.00078 (J)
3/1/2017			0.00084 (J)
3/2/2017	0.0095		
4/20/2017		0.00059 (J)	0.00065 (J)
4/24/2017			0.00055 (J)
4/25/2017	0.0078		
7/13/2017	0.0061		
7/18/2017		0.00079 (J)	0.00069 (J)
7/24/2017			0.00058 (J)
7/25/2017	0.0074		
1/10/2018		0.0018 (J)	0.00068 (J)
1/12/2018	0.0072		0.00054 (J)
7/11/2018		0.0044	0.00071 (J)
7/12/2018	0.0077		0.00072 (J)
1/29/2019		0.0033	0.00064 (J)
1/30/2019	0.0061		<0.0025
3/26/2019		0.0037	0.00064
3/27/2019	0.006		0.00051
9/10/2019		0.0031	0.00074
9/11/2019	0.0059		0.00083
3/31/2020		0.0038	0.00067 (J)
4/1/2020	0.0037		0.00042 (J)
9/15/2020	0.0032		0.0005 (J)
9/16/2020		0.0014 (J)	0.00037 (J)
3/17/2021	0.0035	0.0014 (J)	0.00083 (J) 0.00092 (J)

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				0.003	<0.002
9/26/2004				<0.002	0.0029
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				<0.002	0.0026
11/28/2006				<0.002	<0.002
7/6/2007				<0.002	0.0034
12/13/2007				<0.002	<0.002
6/20/2008				<0.002	<0.002
12/7/2008				<0.002	<0.002
7/9/2009				<0.002	<0.002
12/28/2009				<0.002	<0.002
6/22/2010				<0.002	<0.002
1/4/2011				<0.002	
1/5/2011					0.014 (o)
7/9/2011				<0.002	<0.002
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				<0.002	<0.002
1/19/2013					<0.002
1/20/2013				<0.002	
7/18/2013					<0.002
7/19/2013				<0.002	
1/15/2014				<0.002	<0.002
7/11/2014				<0.002	<0.002
1/15/2015					<0.002
1/16/2015				<0.002	
6/19/2015					<0.002
6/20/2015				<0.002	
12/7/2015	<0.002	<0.002	0.001 (J)		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002		
1/16/2016				<0.002	<0.002
1/25/2016	<0.002	0.0014 (J)	0.00081 (J)		
6/14/2016	<0.002	<0.002		<0.002	<0.002
6/15/2016			<0.002		
1/10/2017				<0.002	<0.002
1/11/2017		<0.002	<0.002		
1/12/2017	<0.002				
7/17/2017				<0.002	
7/18/2017	<0.002				<0.002
7/19/2017		<0.002	<0.002		
1/10/2018	<0.002			<0.002	<0.002
1/11/2018		<0.002	<0.002		
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002		

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.002	<0.002
9/10/2019	0.00066 (J)	0.00076 (J)	<0.002		
9/11/2019				<0.002	0.00092 (J)
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	<0.002	0.00095 (J)
3/16/2021	<0.002	<0.002	<0.002	<0.002	<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	<0.002	<0.002	
9/11/2004	<0.002	<0.002	<0.002	<0.002	
9/26/2004	<0.002	<0.002	<0.002	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	<0.002	<0.002	<0.002	
12/7/2005	<0.002	<0.002	<0.002	<0.002	
6/22/2006	<0.002	<0.002	<0.002	<0.002	
11/28/2006	<0.002	<0.002	0.0027	<0.002	
7/6/2007	<0.002	<0.002	<0.002	<0.002	
12/13/2007	<0.002	<0.002	<0.002	<0.002	
6/20/2008	<0.002	<0.002	<0.002	<0.002	
12/7/2008	<0.002	<0.002	<0.002	<0.002	
7/9/2009	<0.002				
7/10/2009		<0.002	<0.002	<0.002	
12/28/2009	<0.002			<0.002	
12/29/2009		<0.002	<0.002		
6/22/2010	<0.002	<0.002	<0.002	<0.002	
1/4/2011	<0.002	<0.002		<0.002	
1/5/2011			<0.002		
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	<0.002		
7/11/2012	<0.002	<0.002	<0.002	<0.002	
1/19/2013			<0.002	<0.002	
1/20/2013	<0.002	<0.002			
7/18/2013				<0.002	
7/19/2013	<0.002	<0.002	<0.002		
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			
7/10/2014		<0.002			
7/11/2014	<0.002		0.0014 (J)	<0.002	
1/15/2015				<0.002	
1/16/2015	<0.002	<0.002	<0.002		
6/19/2015				<0.002	
6/20/2015	<0.002	<0.002	<0.002		
12/7/2015					0.00084 (J)
12/15/2015					<0.002
12/28/2015					<0.002
1/13/2016					<0.002
1/14/2016			<0.002		
1/16/2016	<0.002	<0.002		<0.002	
1/25/2016					<0.002
6/15/2016	<0.002		<0.002	<0.002	<0.002
6/16/2016		<0.002			
1/11/2017					<0.002
1/12/2017	<0.002	<0.002	<0.002	<0.002	
7/19/2017	<0.002				<0.002
7/20/2017				<0.002	
7/24/2017		<0.002	<0.002		
1/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2018					<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.002	<0.002	<0.002	<0.002	
1/29/2019					<0.002
1/30/2019	<0.002	<0.002	<0.002	<0.002	
3/26/2019					<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	
9/11/2019	0.001 (J)	<0.002	<0.002	0.00069 (J)	<0.002
4/1/2020	<0.002	<0.002		<0.002	<0.002
4/2/2020			0.0013 (J)		
9/15/2020	<0.002	<0.002	<0.002		<0.002
9/16/2020				<0.002	
3/16/2021	<0.002	<0.002		<0.002	
3/17/2021			0.0019 (J)		<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0021 (J)	<0.002	<0.002		
12/9/2015				<0.002	<0.002
12/14/2015	0.0018 (J)	0.00096 (J)		<0.002	<0.002
12/15/2015			<0.002		
12/28/2015	<0.002	<0.002	<0.002		
12/29/2015				<0.002	0.00082 (J)
1/13/2016	<0.002				
1/14/2016		<0.002	<0.002	<0.002	0.0064 (o)
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	<0.002	<0.002		
6/15/2016	<0.002				
6/16/2016		0.00068 (J)	0.00024 (J)	0.00032 (J)	0.00042 (J)
1/11/2017	<0.002	<0.002			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			<0.002		
7/19/2017	<0.002				
7/25/2017		<0.002	<0.002	<0.002	<0.002
1/11/2018	<0.002				<0.002
1/12/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002		<0.002	<0.002	
1/30/2019		0.0021 (J)			<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	0.0012 (J)	0.0011 (J)	0.00085 (J)	0.0012 (J)	0.00066 (J)
4/1/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002		<0.002	<0.002
9/16/2020			<0.002		
3/16/2021	<0.002		<0.002	<0.002	
3/17/2021		0.001 (J)			<0.002



# Time Series

Constituent: Copper (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0023	<0.002
9/11/2004		<0.002	<0.002
9/26/2004		<0.002	0.0021
10/13/2004		<0.002	<0.002
7/11/2005		<0.002	<0.002
12/7/2005		<0.002	<0.002
6/22/2006		<0.002	<0.002
11/28/2006		<0.002	<0.002
7/6/2007		<0.002	<0.002
12/13/2007		<0.002	<0.002
6/20/2008		<0.002	<0.002
12/7/2008		<0.002	<0.002
7/9/2009		<0.002	<0.002
12/29/2009		<0.002	<0.002
12/30/2009		<0.002	
6/22/2010		<0.002	<0.002
1/4/2011		<0.002	
1/5/2011			<0.002
7/9/2011		<0.002	<0.002
7/10/2011		<0.002	
1/21/2012		<0.002	<0.002
7/11/2012		<0.002	<0.002
1/19/2013		<0.002	<0.002
1/20/2013		<0.002	
7/18/2013		<0.002	<0.002
7/19/2013		<0.002	
1/15/2014		<0.002	<0.002
1/16/2014		<0.002	
7/10/2014		<0.002	<0.002
1/15/2015		<0.002	
1/16/2015		<0.002	<0.002
6/19/2015		<0.002	
6/20/2015		<0.002	<0.002
1/14/2016		<0.002	0.00084 (J)
6/14/2016		<0.002	0.0021 (J)
6/15/2016			<0.002
6/16/2016	0.0011 (J)		
1/10/2017		<0.002	
1/11/2017		<0.002	
1/13/2017			<0.002
1/17/2017	<0.002		
7/18/2017		<0.002	
7/24/2017			<0.002
7/25/2017	<0.002		
1/10/2018		<0.002	<0.002
1/12/2018	<0.002		<0.002
7/11/2018		<0.002	<0.002
7/12/2018	<0.002		<0.002
1/29/2019		<0.002	<0.002
1/30/2019	<0.002		0.002 (J)
3/26/2019		0.0021	<0.002
3/27/2019	<0.002		<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.0016 (J)	<0.002
9/11/2019	0.00092 (J)		0.00092 (J)
3/31/2020		0.0051	<0.002
4/1/2020	<0.002		<0.002
9/15/2020	<0.002		<0.002
9/16/2020		0.00079 (J)	<0.002
3/17/2021	<0.002	0.0012 (J)	<0.002

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				0.03 (J)	0.022 (J)
4/20/2016	0.018 (J)	0.021 (J)	0.022 (J)		
6/14/2016	<0.1	<0.1		0.02 (J)	<0.1
6/15/2016			<0.1		
8/9/2016	<0.1	<0.1	<0.1	<0.1	<0.1
9/26/2016				<0.1	
9/27/2016	<0.1	<0.1	<0.1		<0.1
11/14/2016					<0.1
11/15/2016	<0.1	<0.1	<0.1	<0.1	
1/10/2017				<0.1	<0.1
1/11/2017		<0.1	<0.1		
1/12/2017	<0.1				
2/28/2017	<0.1	<0.1		<0.1	<0.1
3/1/2017			<0.1		
4/19/2017				<0.1	<0.1
4/20/2017	<0.1	<0.1	<0.1		
10/10/2017				<0.1	
10/11/2017	<0.1	<0.1	<0.1		<0.1
1/10/2018	<0.1			<0.1	<0.1
1/11/2018		<0.1	<0.1		
7/11/2018	<0.1	<0.1	<0.1	<0.1	<0.1
1/29/2019	<0.1	<0.1	<0.1	<0.1	<0.1
3/26/2019	<0.1	<0.1	<0.1		
3/27/2019				<0.1	<0.1
9/10/2019	0.034 (J)	0.032 (J)	0.035 (J)		
9/11/2019				0.037 (J)	0.033 (J)
3/31/2020	0.046 (J)				
4/1/2020		0.048 (J)	<0.1	<0.1	<0.1
9/15/2020	<0.1	<0.1	<0.1	0.029 (J)	<0.1
3/16/2021	<0.1	<0.1	<0.1	0.033 (J)	<0.1

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	0.04 (J)		0.383	0.026 (J)	
4/21/2016		0.217 (J)			0.019 (J)
6/15/2016	<0.1		0.28 (J)	<0.1	<0.1
6/16/2016		0.13 (J)			
8/9/2016					<0.1
8/10/2016	<0.1	0.21	0.42	<0.1	
9/27/2016	<0.1	0.17 (J)	0.39	<0.1	<0.1
11/15/2016	<0.1	0.22	0.43	<0.1	<0.1
1/11/2017					<0.1
1/12/2017	<0.1	0.12 (J)	0.41	<0.1	
2/28/2017					<0.1
3/1/2017	<0.1	<0.1	<0.1	<0.1	
4/20/2017	<0.1			<0.1	<0.1
4/24/2017		0.18 (J)	0.37		
10/11/2017	<0.1		0.39		<0.1
10/12/2017		0.18 (J)		<0.1	
12/13/2017			0.48		
1/11/2018	<0.1	0.15 (J)	0.31	<0.1	<0.1
7/11/2018					<0.1
7/12/2018	<0.1	0.13 (J)	0.25	<0.1	
1/29/2019					<0.1
1/30/2019	<0.1	0.23 (J)	0.35	<0.1	
3/26/2019					<0.1
3/27/2019	0.029	0.12	0.24	<0.1	
9/11/2019	0.036 (J)	0.1	0.26	0.036 (J)	0.032 (J)
4/1/2020	<0.1	0.26		<0.1	0.05 (J)
4/2/2020			0.26		
9/15/2020	<0.1	0.11	0.21		<0.1
9/16/2020				<0.1	
3/16/2021	<0.1	0.18		<0.1	
3/17/2021			0.28		<0.1

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		0.706	0.122 (J)		
4/20/2016	0.147 (J)				
4/21/2016				0.06 (J)	0.022 (J)
6/15/2016	0.1 (J)				
6/16/2016		0.56	0.08 (J)	<0.1	<0.1
8/9/2016	0.16 (J)				
8/10/2016			0.14 (J)	<0.1	<0.1
8/11/2016		0.74			
9/27/2016	0.14 (J)			<0.1	<0.1
9/28/2016		0.7	0.11 (J)		
11/15/2016	0.16 (J)		0.13 (J)	<0.1	<0.1
11/16/2016		0.71			
1/11/2017	0.16 (J)	0.51			
1/12/2017					<0.1
1/13/2017				0.083 (J)	
1/16/2017			0.11 (J)		
3/1/2017	<0.1	0.61	<0.1	<0.1	<0.1
4/20/2017	0.12 (J)				
4/24/2017					<0.1
4/25/2017		0.65	0.087 (J)	<0.1	
10/11/2017	0.11 (J)				
10/12/2017		0.6	0.087 (J)	<0.1	<0.1
12/13/2017		0.61			
1/11/2018	0.12 (J)				<0.1
1/12/2018		0.55	0.083 (J)	<0.1	
7/11/2018	0.13 (J)	0.59	0.091 (J)	<0.1	<0.1
1/29/2019	0.13 (J)		0.074 (J)	0.031 (J)	
1/30/2019		0.65			<0.1
3/27/2019	0.1	0.49	0.072	0.034	<0.1
9/11/2019	0.099 (J)	0.47	0.08 (J)	0.045 (J)	0.032 (J)
4/1/2020	0.15	0.59	0.11	0.082 (J)	0.04 (J)
9/15/2020	0.099 (J)	0.49		0.032 (J)	<0.1
9/16/2020			0.076 (J)		
3/16/2021	0.13		0.092 (J)	0.04 (J)	
3/17/2021		0.54			<0.1

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5*GWB-5]...	GWC-9
4/19/2016			0.02 (J)
4/20/2016		0.028 (J)	0.032 (J)
6/14/2016		<0.1	<0.1
6/15/2016			<0.1
6/16/2016	0.04 (J)		
8/9/2016		<0.1	
8/10/2016	<0.1		<0.1
8/11/2016		<0.1	
9/27/2016		<0.1	<0.1
9/28/2016	0.097 (J)		
11/14/2016		<0.1	
11/15/2016			<0.1
11/16/2016	0.092 (J)		
1/10/2017		<0.1	
1/11/2017			<0.1
1/13/2017			<0.1
1/17/2017	<0.1		
2/28/2017		<0.1	<0.1
3/1/2017			<0.1
3/2/2017	<0.1		
4/20/2017		<0.1	<0.1
4/24/2017			<0.1
4/25/2017	<0.1		
7/13/2017	<0.1		
10/10/2017		<0.1	
10/11/2017			<0.1
10/12/2017	<0.1		<0.1
1/10/2018		<0.1	<0.1
1/12/2018	<0.1		<0.1
7/11/2018		<0.1	<0.1
7/12/2018	<0.1		<0.1
1/29/2019		<0.1	<0.1
1/30/2019	<0.1		<0.1
3/26/2019		<0.1	0.028
3/27/2019	0.027		<0.1
9/10/2019		0.044 (J)	0.037 (J)
9/11/2019	0.041 (J)		0.034 (J)
3/31/2020		0.043 (J)	0.061 (J)
4/1/2020	0.05 (J)		0.051 (J)
9/15/2020	0.028 (J)		<0.1
9/16/2020		<0.1	<0.1
3/17/2021	<0.1	<0.1	0.026 (J) 0.035 (J)

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.014 (o)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.001		
4/19/2017				<0.001	<0.001
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	<0.001
9/10/2019	0.00058 (J)	0.00013 (J)	0.00013 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	0.00024 (J)	<0.001	<0.001
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001



# Time Series

Constituent: Lead (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		<0.001	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		<0.001	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		0.0002 (J)	<0.001	<0.001
6/16/2016		<0.001			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001	<0.001	
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/11/2017					<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.001	<0.001	<0.001	<0.001	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	
4/20/2017	<0.001			<0.001	<0.001
4/24/2017		<0.001	0.00037 (J)		
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<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
4/1/2020	<0.001	<0.001		<0.001	<0.001
4/2/2020			0.00025 (J)		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	<0.001		<0.001	
3/17/2021			0.00031 (J)		<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
4/19/2016		<0.001	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	<0.001				
6/16/2016		0.00015 (J)	<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			
9/27/2016	<0.001			<0.001	0.00079 (J)
9/28/2016		<0.001	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		<0.001			
1/11/2017	<0.001	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
3/1/2017	<0.001	<0.001	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		<0.001	<0.001	<0.001	
7/19/2017	<0.001				
7/25/2017		<0.001	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.00067 (J)			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00017 (J)	<0.001	0.00024 (J)	0.00021 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			<0.001		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		0.00015 (J)			<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001 0.0056 (o)
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
7/10/2011		<0.001	
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		<0.001	<0.001
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
4/19/2016			<0.001
4/20/2016		<0.001	
6/14/2016		<0.001	0.00019 (J)
6/15/2016			<0.001
6/16/2016	<0.001		
8/9/2016		<0.001	
8/10/2016	<0.001		<0.001
8/11/2016		<0.001	
9/27/2016		<0.001	<0.001
9/28/2016	<0.001		
11/14/2016		<0.001	
11/15/2016		<0.001	<0.001
11/16/2016	<0.001		
1/10/2017		<0.001	
1/11/2017		<0.001	
1/13/2017			<0.001
1/17/2017	<0.001		
1/19/2017		0.001 (J)	

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.001
2/28/2017		<0.001	<0.001
3/1/2017			<0.001
3/2/2017	<0.001		
4/20/2017		<0.001	0.00041 (J)
4/24/2017			<0.001
4/25/2017	<0.001		
7/13/2017	<0.001		
7/18/2017		<0.001	<0.001
7/24/2017			<0.001
7/25/2017	<0.001		
1/10/2018		<0.001	<0.001
1/12/2018	<0.001		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	<0.001		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	0.00013 (J)		<0.001
3/26/2019		<0.001	<0.001
3/27/2019	<0.001		<0.001
9/10/2019		0.00051 (J)	0.00074 (J)
9/11/2019	0.00018 (J)		<0.001
3/31/2020		0.00024 (J)	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001

# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<0.0002	<0.0002
4/20/2016	<0.0002	<0.0002	<0.0002		
6/14/2016	<0.0002	<0.0002		<0.0002	<0.0002
6/15/2016			<0.0002		
8/9/2016	0.00012 (J)	0.00012 (J)	0.0001 (J)	0.00011 (J)	0.0001 (J)
9/26/2016				<0.0002	
9/27/2016	<0.0002	<0.0002	<0.0002		<0.0002
11/14/2016					<0.0002
11/15/2016	9.7E-05 (J)	0.00011 (J)	7.2E-05 (J)	<0.0002	
1/10/2017				<0.0002	<0.0002
1/11/2017		<0.0002	<0.0002		
1/12/2017	<0.0002				
2/28/2017	0.00015 (J)	7.5E-05 (J)		0.00014 (J)	0.00016 (J)
3/1/2017			<0.0002		
4/19/2017				<0.0002	<0.0002
4/20/2017	<0.0002	<0.0002	<0.0002		
7/11/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<0.0002		<0.0002	<0.0002	
4/21/2016		<0.0002			<0.0002
6/15/2016	<0.0002		<0.0002	<0.0002	<0.0002
6/16/2016		<0.0002			
8/9/2016					0.00011 (J)
8/10/2016	<0.0002	0.00011 (J)	0.00012 (J)	0.00011 (J)	
9/27/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/15/2016	8.4E-05 (J)	0.0001 (J)	9.3E-05 (J)	0.00014 (J)	9.3E-05 (J)
1/11/2017					<0.0002
1/12/2017	<0.0002	<0.0002	<0.0002	<0.0002	
1/23/2017	<0.0002				
2/28/2017					0.00016 (J)
3/1/2017	<0.0002	<0.0002	<0.0002	<0.0002	
4/20/2017	<0.0002			<0.0002	<0.0002
4/24/2017		<0.0002	<0.0002		
7/11/2018					<0.0002
7/12/2018	<0.0002	<0.0002	<0.0002	<0.0002	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		<0.0002	<0.0002		
4/20/2016	<0.0002				
4/21/2016				<0.0002	<0.0002
6/15/2016	<0.0002				
6/16/2016		<0.0002	<0.0002	<0.0002	<0.0002
8/9/2016	0.00011 (J)				
8/10/2016			0.00011 (J)	0.00011 (J)	0.00011 (J)
8/11/2016		<0.0002			
9/27/2016	<0.0002			<0.0002	<0.0002
9/28/2016		<0.0002	<0.0002		
11/15/2016	<0.0002		7.8E-05 (J)	7.3E-05 (J)	0.00018 (J)
11/16/2016		<0.0002			
1/11/2017	<0.0002	<0.0002			
1/12/2017					<0.0002
1/13/2017				<0.0002	
1/16/2017			<0.0002		
3/1/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/20/2017	<0.0002				
4/24/2017					<0.0002
4/25/2017		<0.0002	<0.0002	<0.0002	
7/11/2018	<0.0002	<0.0002	<0.0002	<0.0002	0.00077



# Time Series

Constituent: Mercury (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			<0.0002
4/20/2016		<0.0002	<0.0002
6/14/2016		<0.0002	<0.0002
6/15/2016			<0.0002
6/16/2016	<0.0002		
8/9/2016		0.0001 (J)	
8/10/2016	0.00013 (J)		0.00011 (J)
8/11/2016		<0.0002	
9/27/2016		<0.0002	<0.0002
9/28/2016	<0.0002		
11/14/2016		<0.0002	
11/15/2016		<0.0002	0.00013 (J)
11/16/2016	<0.0002		
1/10/2017		<0.0002	
1/11/2017		<0.0002	
1/13/2017			<0.0002
1/17/2017	<0.0002		
1/19/2017		<0.0002	
1/24/2017		<0.0002	
2/28/2017		0.00014 (J)	0.00012 (J)
3/1/2017			<0.0002
3/2/2017	<0.0002		
4/20/2017		<0.0002	<0.0002
4/24/2017			<0.0002
4/25/2017	<0.0002		
7/13/2017	<0.0002		
7/11/2018		<0.0002	<0.0002
7/12/2018	<0.0002		<0.0002

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	0.03 (O)
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				0.0043	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.025 (O)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				0.0016 (J)	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	0.00052 (J)		0.0006 (J)	<0.001
6/15/2016			<0.001		
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			0.0026	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	0.00033 (J)	0.0004 (J)	0.0004 (J)	0.00063 (J)	0.00034 (J)
3/26/2019	<0.001	<0.001	<0.001		

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.001	<0.001
9/10/2019	0.0004 (J)	0.00056 (J)	0.00036 (J)		
9/11/2019				0.00091 (J)	0.00045 (J)
3/31/2020	<0.001				
4/1/2020		0.00043 (J)	<0.001	0.00077 (J)	<0.001
9/15/2020	0.00037 (J)	0.00075 (J)	0.00045 (J)	0.00094 (J)	0.00038 (J)
3/16/2021	<0.001	0.00045 (J)	0.00043 (J)	0.00072 (J)	<0.001

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	0.0049	0.0057	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	0.0013 (J)		<0.001	0.0043	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	0.0013 (J)		0.0029	0.0026	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	0.0014 (J)		
6/19/2015				<0.001	
6/20/2015	0.0016 (J)	0.0013 (J)	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
6/15/2016	0.00088 (J)		0.00085 (J)	0.00068 (J)	<0.001
6/16/2016		<0.001			
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					0.00046 (J)
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	0.0013	<0.001	0.00042 (J)	0.001	0.00042 (J)
4/1/2020	0.00099 (J)	<0.001		0.0008 (J)	<0.001
4/2/2020			0.0009 (J)		
9/15/2020	0.0012	0.0013	0.00063 (J)		0.00047 (J)
9/16/2020				0.00088 (J)	
3/16/2021	0.0012	0.00043 (J)		0.00093 (J)	
3/17/2021			0.00077 (J)		0.00047 (J)

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0036	<0.001	0.0022 (J)		
12/9/2015				0.0042	<0.001
12/14/2015	0.0035	0.0019 (J)		0.0067	<0.001
12/15/2015			0.0019 (J)		
12/28/2015	0.0032	0.0018 (J)	0.0017 (J)		
12/29/2015				0.0067	<0.001
1/13/2016	0.0029				
1/14/2016		0.0017 (J)	0.0029	0.0039	<0.001
1/25/2016				0.0049	<0.001
1/26/2016	0.0027	0.0019 (J)	0.0014 (J)		
6/15/2016	0.0018 (J)				
6/16/2016		0.0014 (J)	0.0013 (J)	0.003 (J)	0.0012 (J)
1/11/2017	0.002 (J)	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			0.0018 (J)		
7/19/2017	0.002 (J)				
7/25/2017		<0.001	0.002 (J)	<0.001	<0.001
1/11/2018	0.0019 (J)				<0.001
1/12/2018		<0.001	0.002 (J)	<0.001	
7/11/2018	<0.001	<0.001	0.0018 (J)	<0.001	<0.001
1/29/2019	0.0016 (J)		0.0017 (J)	0.00093 (J)	
1/30/2019		<0.001			<0.001
3/27/2019	0.0018	<0.001	<0.001	<0.001	<0.001
9/11/2019	0.0018	0.0012	0.0018	0.0014	0.00097 (J)
4/1/2020	0.0016	0.00095	0.0014	0.001	0.00067 (J)
9/15/2020	0.0016	0.00092 (J)		0.0011	0.0007 (J)
9/16/2020			0.0012		
3/16/2021	0.0015		0.0012	0.00093 (J)	
3/17/2021		0.0011			0.00068 (J)

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	0.003
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		0.0048	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
7/10/2011		<0.001	
1/21/2012		0.0026	<0.001
7/11/2012		0.0072	0.0033
1/19/2013			0.0026
1/20/2013		0.0025	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		0.0031	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		0.0024 (J)	<0.001
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
6/14/2016		0.0013 (J)	0.00054 (J)
6/15/2016			<0.001
6/16/2016	0.0009 (J)		
1/10/2017		<0.001	
1/11/2017		<0.001	
1/13/2017			<0.001
1/17/2017	<0.001		
7/18/2017		<0.001	<0.001
7/24/2017			<0.001
7/25/2017	0.002 (J)		
1/10/2018		<0.001	<0.001
1/12/2018	0.0023 (J)		<0.001
7/11/2018		0.003	<0.001
7/12/2018	0.0026		<0.001
1/29/2019		0.0021 (J)	<0.001
1/30/2019	<0.001		<0.001
3/26/2019		0.0021	<0.001
3/27/2019	0.0018		<0.001

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.002	0.00043 (J)
9/11/2019	0.0023		0.00065 (J)
3/31/2020		0.0028	<0.001
4/1/2020	0.0013		<0.001
9/15/2020	0.0013		0.00056 (J)
9/16/2020		0.00096 (J)	0.00075 (J)
3/17/2021	0.0014	0.00083 (J)	0.00041 (J) 0.0006 (J)



# Time Series

Constituent: pH (S.U.) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
6/19/2015					5.23
6/20/2015				4.69	
12/14/2015			5.26		
12/15/2015	5.13	5.24			
4/19/2016				4.99	4.92
4/20/2016	5.16	5.41	5.16		
6/14/2016				4.98	4.89
6/15/2016	5.35	5.74	5.04		
8/9/2016	4.89	5.41	5.07	4.72	4.92
9/26/2016				4.74	
9/27/2016	5.02	5.42	5.11		5.25
11/14/2016					4.96
11/15/2016	5.04	5.33	5.11	4.8	
1/10/2017				4.59	4.21
1/11/2017		5.32	5.07		
1/12/2017	5.19				
2/28/2017	4.86	5.32		4.91	4.95
3/1/2017			5.14		
4/19/2017				4.98	5.12
4/20/2017	5.01	5.31	5.05		
7/17/2017				4.61	
7/18/2017	4.88				4.89
7/19/2017		5.19	4.95		
10/17/2017	4.93	5.27	5.17	4.93	4.96
1/10/2018	4.9			4.78	4.93
1/11/2018		5.19	4.97		
7/11/2018	4.99 (D)	5.25 (D)	5.07	4.75 (D)	4.87 (D)
1/29/2019	4.82	5.25	4.83	4.91	4.98
3/26/2019	5.07	5.29	4.95		
3/27/2019				4.69	4.8
9/10/2019	5	5.18	5.12		
9/11/2019				4.77	5.03
3/31/2020	5.1				
4/1/2020		5.26	4.95	4.77	4.92
9/15/2020	5.07	5.83	5.02	4.52	4.72
3/16/2021	4.47	4.76	4.68	4.76	4.91

# Time Series

Constituent: pH (S.U.) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
6/19/2015				5.05	
6/20/2015	4.87	6.28	6.13		
12/15/2015					5.2
4/20/2016	5.43		6.28	5.17	
4/21/2016		6.21			5.18
6/15/2016	5.28		6.55	5.12	5.47
6/16/2016		6.27			
8/9/2016					5.01
8/10/2016	5.15	6.12	6.22	5.12	
9/27/2016	5.19	6.29	6.33	5.19	5.22
11/15/2016	5.2	6.12	6.28	5.14	5.07
1/11/2017					5
1/12/2017	5.27	6.23	6.26	5.13	
2/28/2017					5.1
3/1/2017	5.31	6.15	6.41	5.05	
4/20/2017	5.29			5.15	5.12
4/24/2017		6.8	6.26		
7/19/2017	5.03				4.84
7/20/2017				5.04	
7/24/2017		6.19	6.27		
10/17/2017	5.25	6.11	6.35	5.03	4.95
1/11/2018	5.02	6.32	6.15	5.13	5.01
7/11/2018					5.01
7/12/2018	5.04 (D)	6.7 (D)	6.63 (D)	5.09 (D)	
1/29/2019					5.18
1/30/2019	5.21	6.2	6.09	5.01	
3/26/2019					5.04
3/27/2019	5.15	6.54	6.32	4.93	
9/11/2019	4.8	6.63	6.37	5.04	5.28
4/1/2020	5	6.52		5.05	5.35
4/2/2020			6.38		
9/15/2020	4.76	6.66	6.62		4.92
9/16/2020				4.91	
3/16/2021	4.89	6.48		4.97	
3/17/2021			6.58		5.41

# Time Series

Constituent: pH (S.U.) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/14/2015	5.19	7.1		5.24	5.84
12/15/2015			5.98		
4/19/2016		6.87	5.98		
4/20/2016	5.26				
4/21/2016				4.88	5.43
6/15/2016	5.12				
6/16/2016		6.84	5.85	4.85	5.23
8/9/2016	5.09				
8/10/2016			5.79	4.84	5.11
8/11/2016		6.42			
9/27/2016	5.32			5.32	5.06
9/28/2016		6.57	5.9		
11/15/2016	5.25		5.66	4.97	5.01
11/16/2016		6.51			
1/11/2017	5.23	6.43			
1/12/2017					4.99
1/13/2017				4.97	
1/16/2017			5.65		
3/1/2017	5.25	6.48	5.62		5
4/20/2017	5.36				
4/24/2017					5.8
4/25/2017		6.58	5.59	4.91	
7/19/2017	5.12				
7/25/2017		6.37	5.55	4.89	4.92
10/17/2017	5.23	6.53	5.68	4.97	4.89
1/11/2018	5.28				4.98
1/12/2018		6.47		4.97	
7/11/2018	5.23 (D)	6.18 (D)	5.6 (D)	4.89 (D)	4.96 (D)
1/29/2019	5.35		5.58	4.94	
1/30/2019		5.93			4.65
3/27/2019	5.25	6.11	5.59	4.94	4.96
9/11/2019	5.16	6.3	5.58	4.96	4.99
4/1/2020	5.3	6.15	5.67	5.03	5.04
9/15/2020	5.29	6.13		4.96	4.86
9/16/2020			5.43		
3/16/2021	4.83		5.45	4.78	
3/17/2021		5.99			4.8

# Time Series

Constituent: pH (S.U.) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
6/19/2015		5.95	
6/20/2015		4.92	4.7
4/19/2016			4.98
4/20/2016		4.9	5.85
6/14/2016		4.9	5.53
6/15/2016			5.2
8/9/2016		5.44	
8/10/2016	6.34		4.78
8/11/2016		5.37	
9/27/2016		5.89	5.59
9/28/2016	6.29		4.91
11/14/2016		5.94	
11/15/2016			5.58
11/16/2016	6.18		4.81
1/10/2017		5.44	
1/11/2017			5.56
1/13/2017			5.28
1/17/2017	5.68		
2/28/2017		5.49	5.53
3/1/2017			4.81
3/2/2017	5.75		
4/20/2017		5.51	5.63
4/24/2017			4.99
4/25/2017	5.65		
7/13/2017	5.65		
7/18/2017		5.26	5.51
7/24/2017			4.82
7/25/2017	5.24		
10/17/2017	5.37	5.28	5.62
1/10/2018		5.05	5.59
1/12/2018	5.35		4.83
7/11/2018		4.53	5.49
7/12/2018	5.21 (D)		4.8 (D)
1/29/2019		4.66	5.39
1/30/2019	5.14		4.88
3/26/2019		4.72	5.45
3/27/2019	5.3		4.75
9/10/2019		4.72	5.71
9/11/2019	5.24		4.8
3/31/2020		5.06	5.45
4/1/2020	5.23		4.93
9/15/2020	5.18		5.27
9/16/2020		4.87	4.74
3/17/2021	4.97	4.9	4.8
			4.69

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					<0.001
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.001	<0.001
9/10/2019	<0.001	<0.001	<0.001		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		0.00061 (J)	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
6/15/2016	<0.001		<0.001	<0.001	<0.001
6/16/2016		<0.001			
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<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
4/1/2020	<0.001	<0.001		<0.001	<0.001
4/2/2020			<0.001		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	<0.001		<0.001	
3/17/2021			<0.001		<0.001



# Time Series

Constituent: Silver (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
6/15/2016	<0.001				
6/16/2016		<0.001	<0.001	<0.001	<0.001
1/11/2017	<0.001	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
7/19/2017	<0.001				
7/25/2017		<0.001	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		<0.001			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			<0.001		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		<0.001			<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
7/10/2011		<0.001	
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		<0.001	<0.001
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
6/14/2016		<0.001	
6/15/2016			<0.001
6/16/2016	<0.001		
1/10/2017		<0.001	
1/11/2017		<0.001	
1/13/2017			<0.001
1/17/2017	<0.001		
7/18/2017		<0.001	
7/24/2017			<0.001
7/25/2017	<0.001		
1/10/2018		<0.001	<0.001
1/12/2018	<0.001		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	<0.001		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	<0.001		<0.001
3/26/2019		<0.001	<0.001
3/27/2019	<0.001		<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		<0.001	<0.001
9/11/2019	<0.001		<0.001
3/31/2020		<0.001	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				1.27	1.03
4/20/2016	0.496 (J)	5.85	0.53 (J)		
6/14/2016	0.62 (J)	4.6		1.7	0.88 (J)
6/15/2016			0.67 (J)		
8/9/2016	<1	2.7	<1	<1	<1
9/26/2016				<1	
9/27/2016	<1	2	<1		0.9 (J)
11/14/2016					<1
11/15/2016	<1	1.5	<1	<1	
1/10/2017				0.83 (J)	1.2
1/11/2017		1.4	<1		
1/12/2017	<1				
2/28/2017	<1	1.1		0.99 (J)	1.1
3/1/2017			<1		
4/19/2017				0.97 (J)	<1
4/20/2017	<1	0.82 (J)	<1		
10/10/2017				<1	
10/11/2017	<1	<1	<1		<1
1/10/2018	<1			<1	1.1
1/11/2018		<1	<1		
7/11/2018	<1	<1	<1	<1	<1
1/29/2019	1.2	0.52 (J)	<1	0.64 (J)	<1
3/26/2019	0.63	0.92	0.9		
3/27/2019				<1	0.7
9/10/2019	0.93 (J)	0.83 (J)	0.83 (J)		
9/11/2019				0.76 (J)	1
3/31/2020	1.4				
4/1/2020		0.67 (J)	0.73 (J)	0.95 (J)	1.1
9/15/2020	0.38 (J)	1.1	0.44 (J)	<1	0.47 (J)
3/16/2021	<1	<1	<1	<1	<1

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	1.79		4.37	0.601 (J)	
4/21/2016		1.93			0.503 (J)
6/15/2016	2		5.7	0.8 (J)	0.62 (J)
6/16/2016		2.3			
8/9/2016					<1
8/10/2016	0.96 (J)	2.9	4.5	<1	
9/27/2016	0.75 (J)	3.2	4.4	<1	<1
11/15/2016	0.97 (J)	3.5	4.4	<1	<1
1/11/2017					<1
1/12/2017	1.7	4.2	4.6	<1	
2/28/2017					<1
3/1/2017	2	3.5	4.5	<1	
4/20/2017	1.3			<1	<1
4/24/2017		3.5	4		
10/11/2017	1.3		4.5		<1
10/12/2017		2.7		<1	
1/11/2018	1.6	2.6	3.5	<1	<1
7/11/2018					<1
7/12/2018	1.1	5	5.9	<1	
1/29/2019					0.43 (J)
1/30/2019	2.1	5	4.3	0.65 (J)	
3/26/2019					0.79
3/27/2019	1.6	4.3	5.4	0.67	
9/11/2019	1.3	5.2	3.8	1	1.2
4/1/2020	2	2.2		0.91 (J)	0.49 (J)
4/2/2020			3.4		
9/15/2020	1.6	3.6	5		0.44 (J)
9/16/2020				0.53 (J)	
3/16/2021	1.6	2.4		<1	
3/17/2021			5.6		<1

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		4.84	2.21		
4/20/2016	2.93				
4/21/2016				5.25	1.99
6/15/2016	1.8				
6/16/2016		9 (O)	2.5	3.9	1.6
8/9/2016	1.6				
8/10/2016			2.7	2.8	1.1
8/11/2016		5			
9/27/2016	1.5			2.6	1.1
9/28/2016		5.1	2.5		
11/15/2016	1.3		2.2	1.9	1
11/16/2016		4.9			
1/11/2017	1.1	5.2			
1/12/2017					1.2
1/13/2017				1.8	
1/16/2017			2.1		
3/1/2017	1.3	4.6	1.9	1.7	1.2
4/20/2017	0.77 (J)				
4/24/2017					0.95 (J)
4/25/2017		4.6	1.6	1.3	
10/11/2017	<1				
10/12/2017		4	1.7	1.1	0.72 (J)
12/13/2017		4			
1/11/2018	<1				<1
1/12/2018		4.5	1.5	0.86 (J)	
7/11/2018	<1	5	1.4	0.9 (J)	<1
1/29/2019	<1		1.4	1.3	
1/30/2019		5.8			0.72 (J)
3/27/2019	<1	4.8	1.6	1.7	0.92
9/11/2019	0.85 (J)	4.5	1.8	0.97 (J)	0.94 (J)
4/1/2020	<1	4.1	2.1	1.6	0.81 (J)
9/15/2020	<1	2.7		0.67 (J)	0.56 (J)
9/16/2020			1.6		
3/16/2021	<1		1.9	0.98 (J)	
3/17/2021		3.5			<1

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			3.84
4/20/2016		7.31	0.367 (J)
6/14/2016		8.6	0.48 (J)
6/15/2016			3.8
6/16/2016	9.2 (o)		
8/9/2016		<1	
8/10/2016	3.1		1.6
8/11/2016		3.7	
9/27/2016		4.6	<1
9/28/2016	3.1		0.91 (J)
11/14/2016		7.4	
11/15/2016		<1	<1
11/16/2016	3.2		
1/10/2017		4.7	
1/11/2017		<1	
1/13/2017			<1
1/17/2017	2.6		
2/28/2017		4.1	<1
3/1/2017			1.5
3/2/2017	3.3		
4/20/2017		5.9	<1
4/24/2017			1.2
4/25/2017	2.4		
7/13/2017	2.1		
10/10/2017		7.3	
10/11/2017		<1	
10/12/2017	2.1		2.3
1/10/2018		7.6	<1
1/12/2018	1.9		<1
7/11/2018		14	<1
7/12/2018	2		<1
1/29/2019		8.7	<1
1/30/2019	2.4		0.58 (J)
3/26/2019		11	0.68
3/27/2019	2.8		1.2
9/10/2019		9.8	0.77 (J)
9/11/2019	2.5		0.92 (J)
3/31/2020		6.2	0.76 (J)
4/1/2020	2		4.1
9/15/2020	1.9		<1
9/16/2020		4.1	<1
3/17/2021	1.8	3.5	<1

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	<0.001
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	0.0001 (J)	<0.001			
1/13/2016	6E-05 (J)	7.9E-05 (J)	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	<0.001
3/1/2017			<0.001		
4/19/2017				<0.001	<0.001
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	



# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	<0.001
9/10/2019	0.00057 (J)	0.00021 (J)	0.0002 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		0.00018 (J)	<0.001	0.00017 (J)	<0.001
9/15/2020	<0.001	<0.001	<0.001	0.00029 (J)	0.00017 (J)
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004	<0.001	<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001	<0.001	<0.001	<0.001	
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013		<0.001		<0.001	
7/19/2013	<0.001		<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			6.1E-05 (J)		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		<0.001	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		<0.001	<0.001	<0.001
6/16/2016		<0.001			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001	<0.001	
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	
4/20/2017	<0.001			<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/24/2017		<0.001	<0.001		
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<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	0.0002 (J)	<0.001	0.00017 (J)	<0.001
4/1/2020	<0.001	0.00031 (J)		<0.001	<0.001
4/2/2020			0.00028 (J)		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	0.00037 (J)		0.00022 (J)	
3/17/2021			0.00047 (J)		<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0001 (J)	0.0001 (J)	<0.001		
12/9/2015				0.0001 (J)	<0.001
12/14/2015	9E-05 (J)	0.0001 (J)		9E-05 (J)	<0.001
12/15/2015			<0.001		
12/28/2015	9E-05 (J)	0.0001 (J)	<0.001		
12/29/2015				0.0001 (J)	<0.001
1/13/2016	0.0001 (J)				
1/14/2016		0.000137 (J)	7.9E-05 (J)	0.000118 (J)	<0.001
1/25/2016				0.000102 (J)	<0.001
1/26/2016	9.5E-05 (J)	0.000142 (J)	<0.001		
4/19/2016		<0.001	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	3.8E-05 (J)				
6/16/2016		0.00013 (J)	<0.001	5.2E-05 (J)	2.7E-05 (J)
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		0.00011 (J)			
9/27/2016	<0.001			<0.001	0.00016 (J)
9/28/2016		0.00012 (J)	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		<0.001			
1/11/2017	<0.001	9.5E-05 (J)			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
3/1/2017	<0.001	0.00011 (J)	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		0.00012 (J)	<0.001	<0.001	
7/19/2017	<0.001				
7/25/2017		0.00011 (J)	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		0.00011 (J)	<0.001	<0.001	
7/11/2018	<0.001	9.5E-05 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.00012 (J)			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00018 (J)	0.00019 (J)	0.00034 (J)	0.00041 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			0.00026 (J)		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		0.00016 (J)			<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
4/19/2016			<0.001
4/20/2016		<0.001	
6/14/2016		3.6E-05 (J)	<0.001
6/15/2016			<0.001
6/16/2016	<0.001		
8/9/2016		<0.001	
8/10/2016	<0.001		<0.001
8/11/2016		<0.001	
9/27/2016		<0.001	<0.001
9/28/2016	<0.001		
11/14/2016		<0.001	
11/15/2016		<0.001	<0.001
11/16/2016	<0.001		
1/10/2017		<0.001	
1/11/2017		<0.001	
1/13/2017			<0.001
1/17/2017	<0.001		
1/19/2017		<0.001	
1/24/2017		0.00072	
2/28/2017		<0.001	<0.001
3/1/2017			<0.001
3/2/2017	<0.001		

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/20/2017		<0.001	<0.001
4/24/2017			<0.001
4/25/2017	<0.001		
7/13/2017	<0.001		
7/18/2017		<0.001	<0.001
7/24/2017			<0.001
7/25/2017	9E-05 (J)		
1/10/2018		<0.001	<0.001
1/12/2018	0.00011 (J)		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	0.0001 (J)		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	0.00016 (J)		<0.001
3/26/2019		<0.001	<0.001
3/27/2019	0.00011		<0.001
9/10/2019		0.00033 (J)	<0.001
9/11/2019	0.00034 (J)		0.00023 (J)
3/31/2020		<0.001	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<10	<10
4/20/2016	<10	<10	<10		
6/14/2016	47	65		55	46
6/15/2016			67		
8/9/2016	10	24	4 (J)	6	18
9/26/2016				24	
9/27/2016	16	14	18		30
11/14/2016					26
11/15/2016	4 (J)	18	26	38	
1/10/2017				18	18
1/11/2017		6	<10		
1/12/2017	26				
2/28/2017	6	14		12	22
3/1/2017			6		
4/19/2017				14	14
4/20/2017	<10	<10	<10		
10/10/2017				10	
10/11/2017	32	22	24		30
1/10/2018	10			6	28
1/11/2018		36	6		
7/11/2018	28 (J)	20 (J)	24 (J)	16 (J)	12 (J)
1/29/2019	24	22	26	36	27
3/26/2019	<10	17	27		
3/27/2019				36	35
9/10/2019	21	16	13		
9/11/2019				28	15
3/31/2020	17				
4/1/2020		<10	15	32	20
9/15/2020	17	17	14	22	<10
3/16/2021	23	17	20	24	25

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<10		32	41	
4/21/2016		49			<10
6/15/2016	52		81	27	58
6/16/2016		109			
8/9/2016					6
8/10/2016	10	58	64	6	
9/27/2016	30	100	60	16	16
11/15/2016	32	94	72	22	18
1/11/2017					8
1/12/2017	52	110	84	44	
2/28/2017					4 (J)
3/1/2017	44	110	64	8	
4/20/2017	20			<10	10
4/24/2017		32	46		
10/11/2017	54		88		26
10/12/2017		74		12	
12/12/2017		150			
12/13/2017			68		
1/11/2018	100	150	10	34	56
7/11/2018					<5 (J)
7/12/2018	24 (J)	140 (J)	94 (J)	26 (J)	
1/29/2019					23
1/30/2019	55 (J)	160 (J)	89 (J)	22 (J)	
3/26/2019					17
3/27/2019	26	130	79	24	
9/11/2019	49	130	39	28	15
4/1/2020	39	130		20	21
4/2/2020			63		
9/15/2020	25	140	82		13
9/16/2020				17	
3/16/2021	29	130		19	
3/17/2021			81		29



# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		106	34		
4/20/2016	29				
4/21/2016				28	<10
6/15/2016	85				
6/16/2016		150	34	42	30
8/9/2016	<10				
8/10/2016			32	6	<10
8/11/2016		78			
9/27/2016	6			20	14
9/28/2016		43	13		
11/15/2016	24		64	82	58
11/16/2016		140			
1/11/2017	20	64			
1/12/2017					38
1/13/2017				36	
1/16/2017			12		
3/1/2017	38	88	72	40	32
4/20/2017	6				
4/24/2017					16
4/25/2017		92	62	14	
10/11/2017	48				
10/12/2017		54	38	22	12
1/11/2018	18				20
1/12/2018		110	81	56	
7/11/2018	22 (J)	16 (J)	38 (J)	32 (J)	52 (J)
1/29/2019	37		62	27	
1/30/2019		100 (J)			43 (J)
3/27/2019	38	79	61	57	33
9/11/2019	31	45	49	45	23
4/1/2020	27	73	52	26	21
9/15/2020	26	64		34	24
9/16/2020			60		
3/16/2021	25		65	37	
3/17/2021		59			24

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			49
4/20/2016		<10	<10
6/14/2016		67	62
6/15/2016			84
6/16/2016	78		
8/9/2016		6	
8/10/2016	88		44
8/11/2016		<10	
9/27/2016		28	10
9/28/2016	35		30
11/14/2016		48	
11/15/2016			32
11/16/2016	98		
1/10/2017		22	
1/11/2017			12
1/13/2017			54
1/17/2017	36		
2/28/2017		32	<10
3/1/2017			34
3/2/2017	38		
4/20/2017		20	34
4/24/2017			<10
4/25/2017	28		
7/13/2017	20		
10/10/2017		24	
10/11/2017			40
10/12/2017	24		20
1/10/2018		42	48
1/12/2018	43		48
7/11/2018		<5 (J)	22 (J)
7/12/2018	40		42 (J)
1/29/2019		26	34
1/30/2019	38 (J)		42 (J)
3/26/2019		39	21
3/27/2019	42		34
9/10/2019		36	13
9/11/2019	24		43
3/31/2020		27	28
4/1/2020	25		36
9/15/2020	27		23
9/16/2020		21	<10
3/17/2021	24	36	31
			40

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	0.0031
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	0.005
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.056 (O)
7/9/2011				<0.001	0.0033
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				0.0051	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	0.00055 (J)	0.00033 (J)		0.00044 (J)	0.00027 (J)
6/15/2016			0.00015 (J)		
1/10/2017				0.0014 (J)	0.0015 (J)
1/11/2017		<0.001	0.0015 (J)		
1/12/2017	0.0018 (J)				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	0.0018 (J)	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	0.0019		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				0.0019	0.0047
9/10/2019	0.0027	0.002	0.0019		
9/11/2019				0.0014	0.0012
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	0.0093 (o)	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	0.0025	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	0.0032		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		0.001 (J)	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	0.00098 (J)	0.00089 (J)		
6/19/2015				<0.001	
6/20/2015	0.0017 (J)	0.0019 (J)	0.0017 (J)		
12/7/2015				<0.001	
12/15/2015				<0.001	
12/28/2015				<0.001	
1/13/2016				<0.001	
1/14/2016			0.0017 (J)		
1/16/2016	<0.001	0.0008 (J)		<0.001	
1/25/2016					<0.001
6/15/2016	0.00031 (J)		0.0018 (J)	0.0004 (J)	0.0003 (J)
6/16/2016		0.0011 (J)			
1/11/2017					0.0017 (J)
1/12/2017	0.0031	0.0087	0.01	0.0075	
7/19/2017	<0.001				<0.001
7/20/2017				0.0015 (J)	
7/24/2017		0.0027	0.0015 (J)		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	0.0027 (J)	<0.001	<0.001	
3/26/2019					0.0041
3/27/2019	<0.001	0.0065	0.0016	0.0078	
9/11/2019	0.0013	0.0022	0.0025	0.0011	0.0016
4/1/2020	<0.001	0.0012		<0.001	<0.001
4/2/2020			0.0016		
9/15/2020	<0.001	<0.001	0.001		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	0.0013		<0.001	
3/17/2021			0.0015		<0.001

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	0.0023 (J)	0.0023 (J)		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	0.0028 (J)		<0.001	<0.001
12/15/2015			0.0016 (J)		
12/28/2015	<0.001	0.0024 (J)	0.0013 (J)		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		0.0022 (J)	0.0014 (J)	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	0.0022 (J)	0.0013 (J)		
6/15/2016	0.00047 (J)				
6/16/2016		0.0041 (J)	0.00092 (J)	0.00054 (J)	0.00048 (J)
1/11/2017	<0.001	0.003			
1/12/2017					0.0058
1/13/2017				0.0074	
1/16/2017			0.0067		
7/19/2017	<0.001				
7/25/2017		0.0055	0.0035	0.0034	0.0029
1/11/2018	<0.001				<0.001
1/12/2018		0.0022 (J)	<0.001	<0.001	
7/11/2018	<0.001	0.0016 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.0042 (J)			<0.001
3/27/2019	0.004	0.0074	<0.001	0.0031	0.0049
9/11/2019	0.0018	0.0037	0.0023	0.0018	0.0015
4/1/2020	<0.001	0.0024	<0.001	<0.001	<0.001
9/15/2020	<0.001	0.0022		<0.001	<0.001
9/16/2020			<0.001		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		0.0026			<0.001

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		0.0033	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011			<0.001
7/10/2011		<0.001	
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		<0.001	<0.001
6/19/2015			0.0035 (J)
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
6/14/2016		0.00028 (J)	0.00047 (J)
6/15/2016			0.00019 (J)
6/16/2016	0.00063 (J)		
1/10/2017		0.0014 (J)	
1/11/2017			0.0016 (J)
1/13/2017			0.0091
1/17/2017	0.0026		
7/18/2017		<0.001	<0.001
7/24/2017			0.0027
7/25/2017	0.003		
1/10/2018		<0.001	<0.001
1/12/2018	<0.001		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	<0.001		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	<0.001		<0.001
3/26/2019		0.0027	0.0015
3/27/2019	0.0055		0.006



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.0018	0.0018
9/11/2019	0.0015		0.0015
3/31/2020		<0.001	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				0.014	<0.005
9/11/2004				<0.005	<0.005
9/26/2004				<0.005	<0.005
10/13/2004				<0.005	<0.005
7/11/2005				<0.005	<0.005
12/7/2005				<0.005	<0.005
6/22/2006				0.0041	0.0042
11/28/2006				0.0033	0.0048
7/6/2007				0.0036	0.045
12/13/2007				<0.005	0.005
6/20/2008				0.0045	0.012
12/7/2008				0.0031	0.042
7/9/2009				0.004	0.0038
12/28/2009				0.0027	<0.005
6/22/2010				0.0028	<0.005
1/4/2011				0.0027	
1/5/2011					0.057 (O)
7/9/2011				0.0051	0.0085
1/20/2012					0.0057
1/21/2012				0.004	
7/11/2012				0.0075	<0.005
1/19/2013					<0.005
1/20/2013				0.0034	
7/18/2013					0.0028
7/19/2013				<0.005	
1/15/2014				0.0049	0.0047
7/11/2014				0.0038	0.0025
1/15/2015					0.002 (J)
1/16/2015				0.0032	
6/19/2015					0.0019 (J)
6/20/2015				0.0042	
12/7/2015	0.0034	0.0044	0.0048		
12/14/2015			0.0038		
12/15/2015	0.003	0.0031			
12/28/2015			0.0042		
12/29/2015	0.0028	0.0028			
1/13/2016	0.0025	0.0028	0.0036		
1/16/2016				0.0042	0.0033
1/25/2016	0.0022 (J)	0.0034	0.0033		
6/14/2016	0.0042 (J)	0.0036 (J)		0.0043 (J)	0.0028 (J)
6/15/2016			0.0032 (J)		
1/10/2017				0.0084 (J)	0.0079 (J)
1/11/2017		0.013 (J)	<0.005		
1/12/2017	<0.005				
7/17/2017				<0.005	
7/18/2017	<0.005				<0.005
7/19/2017		<0.005	<0.005		
1/10/2018	<0.005			<0.005	<0.005
1/11/2018		<0.005	<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	<0.005	0.0048 (J)	0.0024 (J)	0.0064 (J)	<0.005
3/26/2019	<0.005	<0.005	<0.005		

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.005	<0.005
9/10/2019	0.0061	0.0069	0.006		
9/11/2019				0.0089	0.012
3/31/2020	<0.005				
4/1/2020		<0.005	<0.005	0.0066	<0.005
9/15/2020	0.0037 (J)	0.024	0.0033 (J)	0.0049 (J)	<0.005
3/16/2021	<0.005	0.007	0.005	0.0045 (J)	0.0035 (J)

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	0.012	<0.005	<0.005	<0.005	
9/11/2004	<0.005	0.01	<0.005	0.01	
9/26/2004	<0.005	<0.005	<0.005	<0.005	
10/13/2004		<0.005	<0.005	<0.005	
7/11/2005	<0.005	<0.005	<0.005	<0.005	
12/7/2005	0.015	<0.005	<0.005	<0.005	
6/22/2006	0.0044	0.0034	0.0025	0.0038	
11/28/2006	0.0034	0.019	0.0026	0.007	
7/6/2007	0.0029	<0.005	0.0025	0.0025	
12/13/2007	<0.005	<0.005	<0.005	0.0032	
6/20/2008	0.0035	0.0039	0.0089	0.0044	
12/7/2008	0.0036	<0.005	0.041 (O)	0.0042	
7/9/2009	0.0032				
7/10/2009		<0.005	<0.005	0.0025	
12/28/2009	0.0032			0.0027	
12/29/2009		<0.005	<0.005		
6/22/2010	0.0032	<0.005	<0.005	<0.005	
1/4/2011	<0.005	<0.005		0.0033	
1/5/2011			<0.005		
7/9/2011	0.0076		<0.005	0.0043	
7/10/2011		0.0026			
1/20/2012				0.0038	
1/21/2012	0.0034	<0.005	0.005		
7/11/2012	0.0028	<0.005	0.0025	0.0035	
1/19/2013			<0.005	0.0028	
1/20/2013	0.0032	<0.005			
7/18/2013				0.0028	
7/19/2013	0.0028	<0.005	<0.005		
1/15/2014	0.0047		0.0034	0.0053	
1/16/2014		0.0031			
7/10/2014		0.0012 (J)			
7/11/2014	0.0041		0.0019 (J)	0.0034	
1/15/2015				0.003	
1/16/2015	0.0035	0.0017 (J)	<0.005		
6/19/2015				0.0035	
6/20/2015	0.0043	0.0036	<0.005		
12/7/2015					0.0052
12/15/2015					0.0046
12/28/2015					0.0042
1/13/2016					0.0038
1/14/2016			0.0022 (J)		
1/16/2016	0.002 (J)	<0.005		0.0023 (J)	
1/25/2016					0.0036
6/15/2016	0.0027 (J)		0.0028 (J)	0.0031 (J)	0.0028 (J)
6/16/2016		<0.005			
1/11/2017					0.014 (J)
1/12/2017	<0.005	<0.005	<0.005	<0.005	
7/19/2017	<0.005				<0.005
7/20/2017				<0.005	
7/24/2017		<0.005	<0.005		
1/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018					<0.005

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.005	<0.005	<0.005	<0.005	
1/29/2019					0.0059 (J)
1/30/2019	0.0031 (J)	<0.005	<0.005	<0.005	
3/26/2019					<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019	0.0088	0.0058	0.005	0.0066	0.0062
4/1/2020	0.0046 (J)	<0.005		<0.005	<0.005
4/2/2020			0.0049 (J)		
9/15/2020	0.0049 (J)	0.0043 (J)	<0.005		0.0033 (J)
9/16/2020				0.0033 (J)	
3/16/2021	0.0047 (J)	<0.005		<0.005	
3/17/2021			0.0032 (J)		0.0063

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0058	0.0017 (J)	0.0035		
12/9/2015				0.0035	0.0016 (J)
12/14/2015	0.006	0.0028		0.0056	0.0015 (J)
12/15/2015			0.0028		
12/28/2015	0.0058	0.0024 (J)	0.0023 (J)		
12/29/2015				0.0084	<0.005
1/13/2016	0.0056				
1/14/2016		0.0036	0.012	0.0048	0.0052
1/25/2016				0.0069	0.0017 (J)
1/26/2016	0.0046	0.0036	0.0034		
6/15/2016	0.0053 (J)				
6/16/2016		0.0052 (J)	0.0026 (J)	0.0048 (J)	0.0097 (J)
1/11/2017	0.018 (J)	0.025			
1/12/2017					<0.005
1/13/2017				<0.005	
1/16/2017			<0.005		
7/19/2017	<0.005				
7/25/2017		<0.005	<0.005	<0.005	<0.005
1/11/2018	<0.005				<0.005
1/12/2018		<0.005	<0.005	<0.005	
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	0.0059 (J)		0.0051 (J)	<0.005	
1/30/2019		0.5			0.0025 (J)
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2019	0.013	0.0058	0.0046 (J)	0.0073	0.0063
4/1/2020	0.005	<0.005	<0.005	<0.005	0.0032 (J)
9/15/2020	0.0052	0.0032 (J)		0.0044 (J)	<0.005
9/16/2020			0.004 (J)		
3/16/2021	0.006		<0.005	<0.005	
3/17/2021		0.0032 (J)			<0.005

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.005	0.017
9/11/2004		<0.005	<0.005
9/26/2004		<0.005	<0.005
10/13/2004		<0.005	<0.005
7/11/2005		<0.005	<0.005
12/7/2005		0.06 (O)	<0.005
6/22/2006		0.0061	0.0033
11/28/2006		0.0064	0.0034
7/6/2007		0.011	0.0037
12/13/2007		0.0061	<0.005
6/20/2008		0.009	0.0042
12/7/2008		0.0071	0.0049
7/9/2009		0.0059	0.0032
12/29/2009			0.0031
12/30/2009		0.0038	
6/22/2010		0.0044	<0.005
1/4/2011		0.0038	0.0029
1/5/2011			<0.005
7/9/2011			0.0038
7/10/2011		0.005	
1/21/2012		0.0074	0.0057
7/11/2012		0.0047	0.0032
1/19/2013			0.0032
1/20/2013		<0.005	
7/18/2013			0.0027
7/19/2013		0.0032	
1/15/2014			0.0059
1/16/2014		0.019	
7/10/2014		0.0038	0.0064
1/15/2015			0.0024 (J)
1/16/2015		0.0045	
6/19/2015			0.0057
6/20/2015		0.0023 (J)	<0.005
1/14/2016		0.0024 (J)	0.0022 (J)
6/14/2016		0.0053 (J)	0.0028 (J)
6/15/2016			0.0037 (J)
6/16/2016	0.0098 (J)		
1/10/2017		<0.005	
1/11/2017			0.013 (J)
1/13/2017			<0.005
1/17/2017	<0.005		
7/18/2017		<0.005	<0.005
7/24/2017			<0.005
7/25/2017	0.0069 (J)		
1/10/2018		<0.005	<0.005
1/12/2018	<0.005		<0.005
7/11/2018		0.0098 (J)	<0.005
7/12/2018	<0.005		<0.005
1/29/2019		0.0064 (J)	0.0027 (J)
1/30/2019	0.0049 (J)		0.051
3/26/2019		0.01	<0.005
3/27/2019	<0.005		<0.005

# Time Series

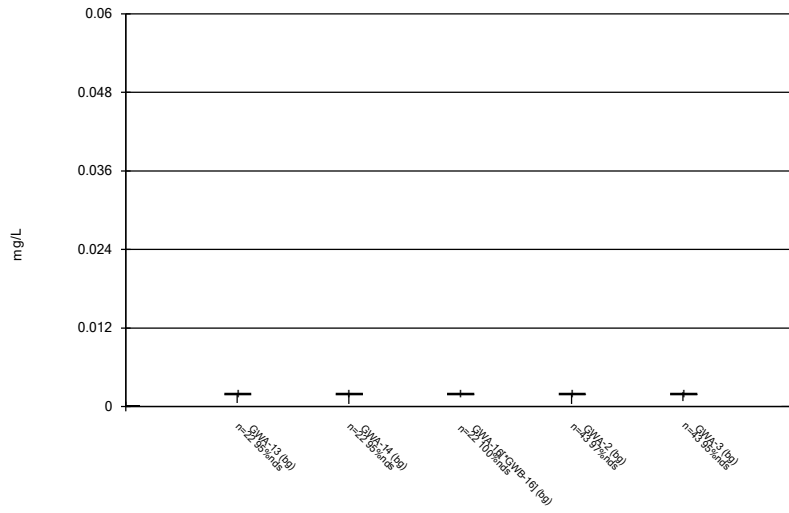
Constituent: Zinc (mg/L) Analysis Run 4/27/2021 11:42 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.012	0.022
9/11/2019	0.0086		0.0058
3/31/2020		0.013	<0.005
4/1/2020	0.0033 (J)		<0.005
9/15/2020	0.004 (J)		0.0049 (J)
9/16/2020		0.011	0.0035 (J)
3/17/2021	0.0033 (J)	0.0039 (J)	0.0041 (J) <0.005



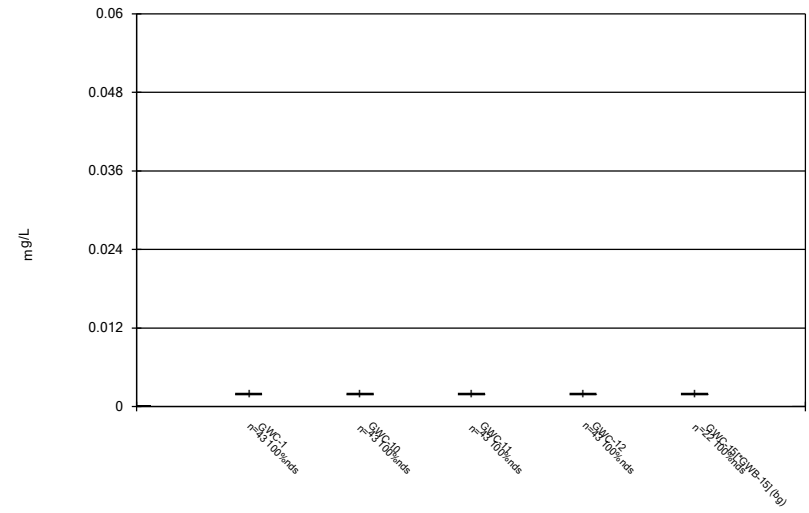
FIGURE B.

Box & Whiskers Plot



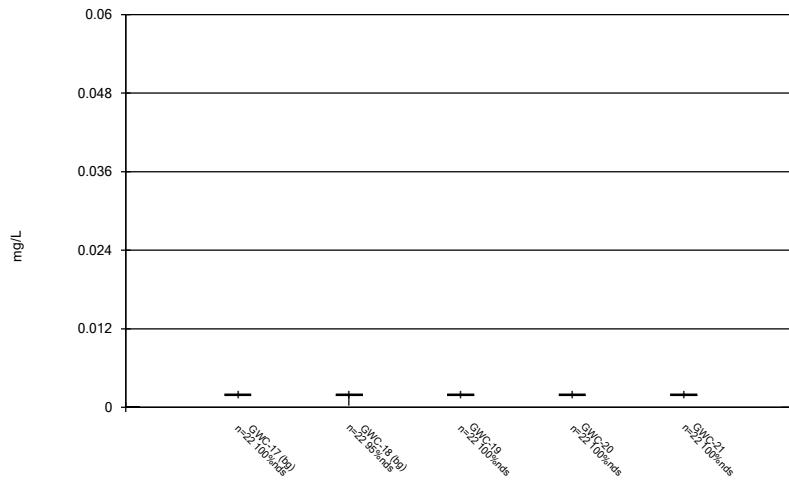
Constituent: Antimony Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



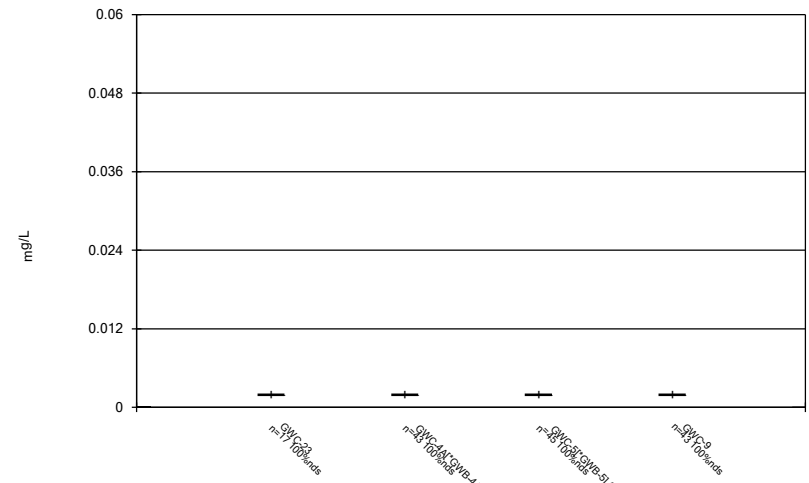
Constituent: Antimony Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



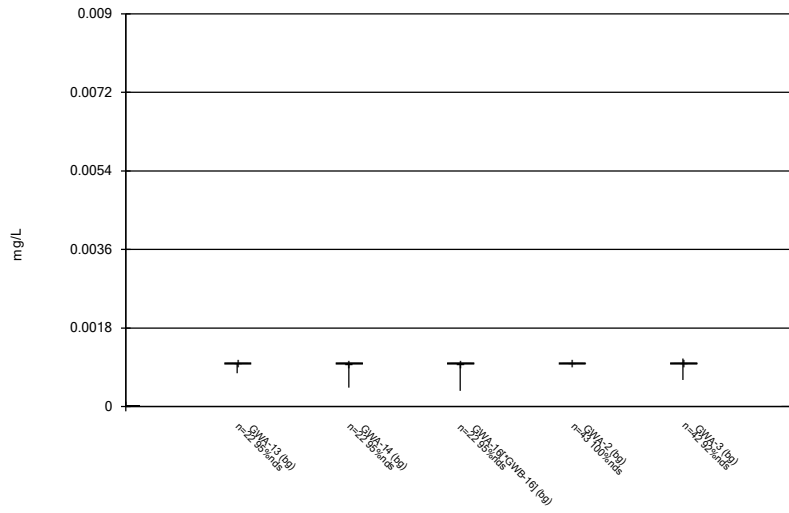
Constituent: Antimony Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



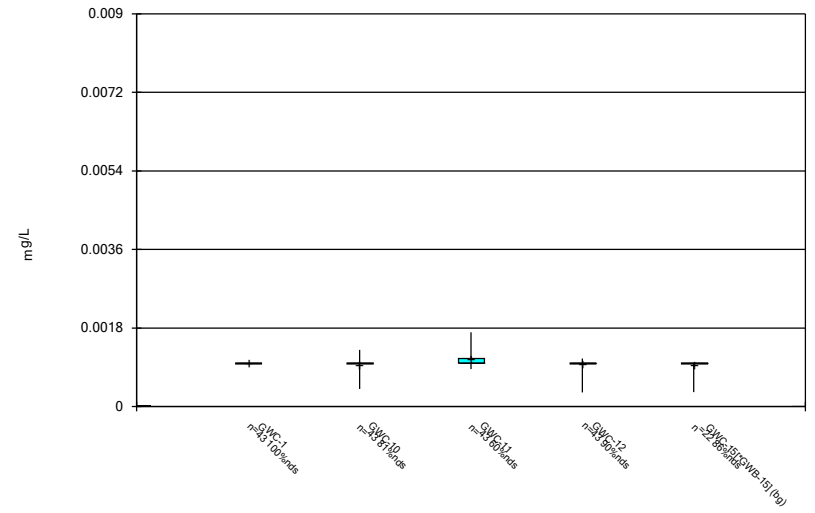
Constituent: Antimony Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



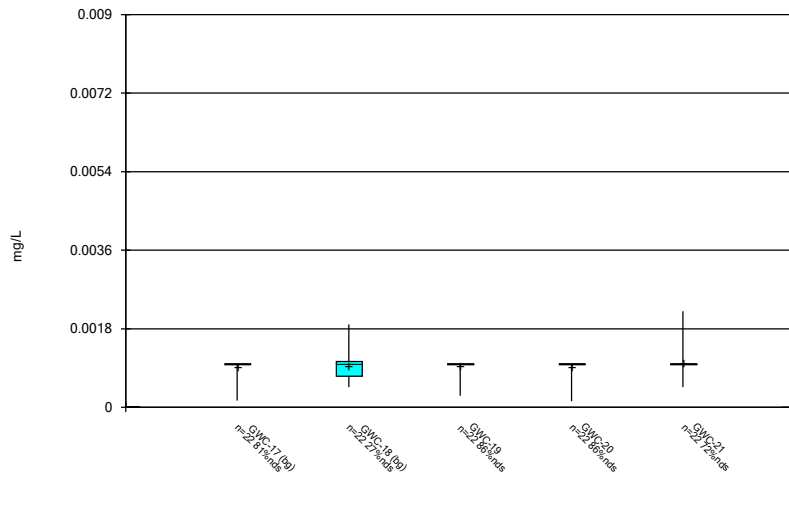
Constituent: Arsenic Analysis Run 4/27/2021 11:51 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



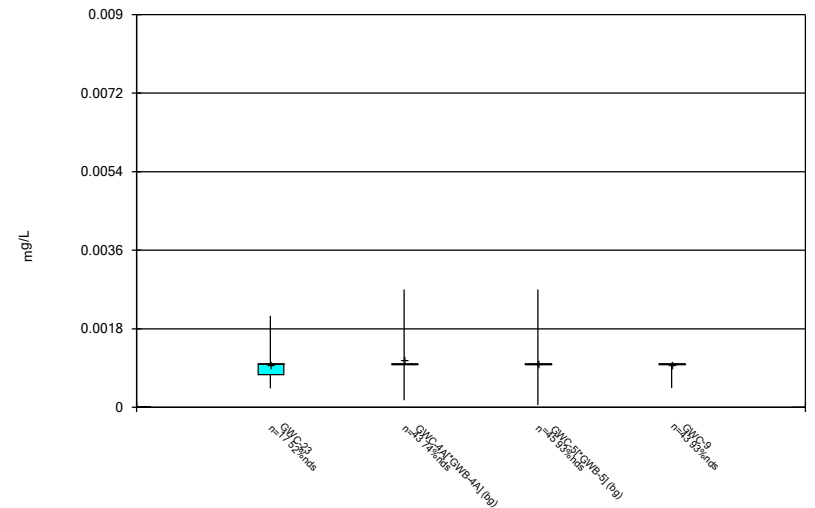
Constituent: Arsenic Analysis Run 4/27/2021 11:51 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



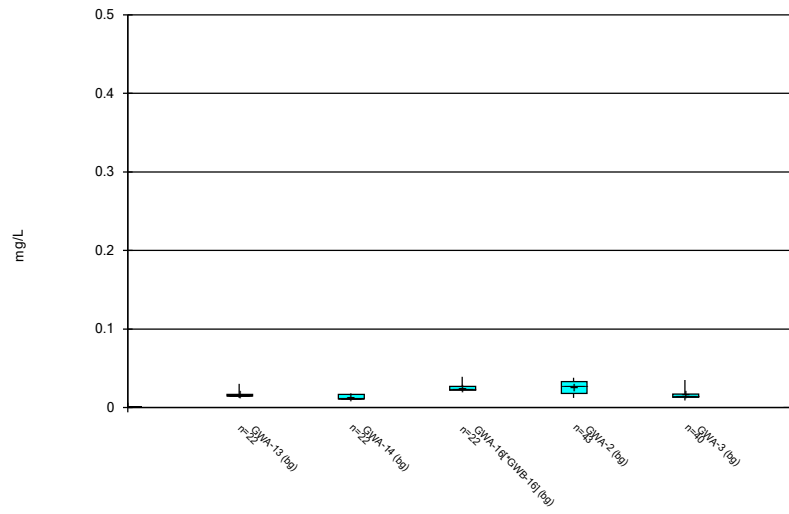
Constituent: Arsenic Analysis Run 4/27/2021 11:51 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



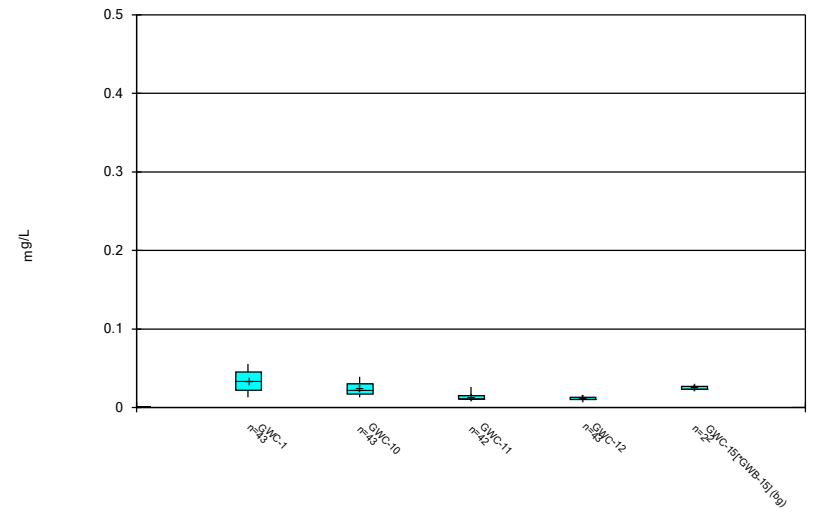
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



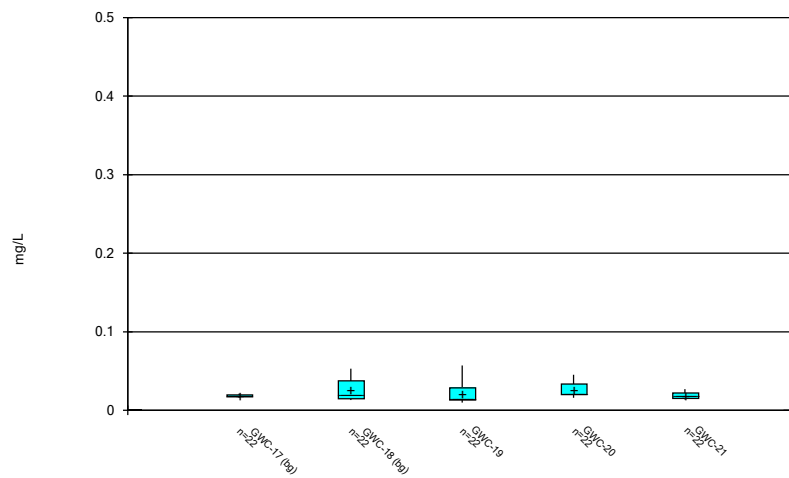
Constituent: Barium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



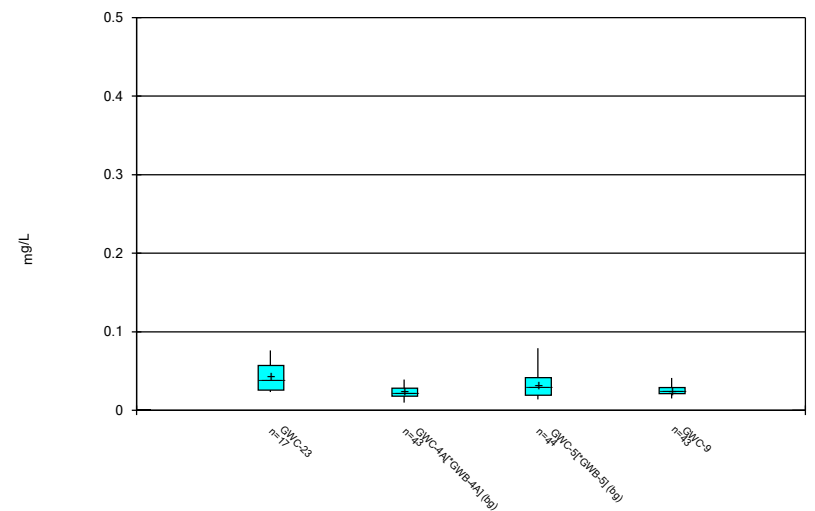
Constituent: Barium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



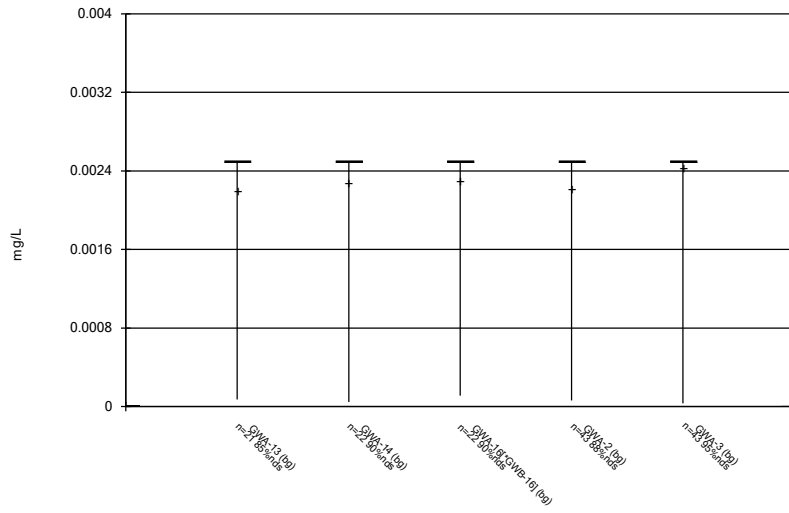
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



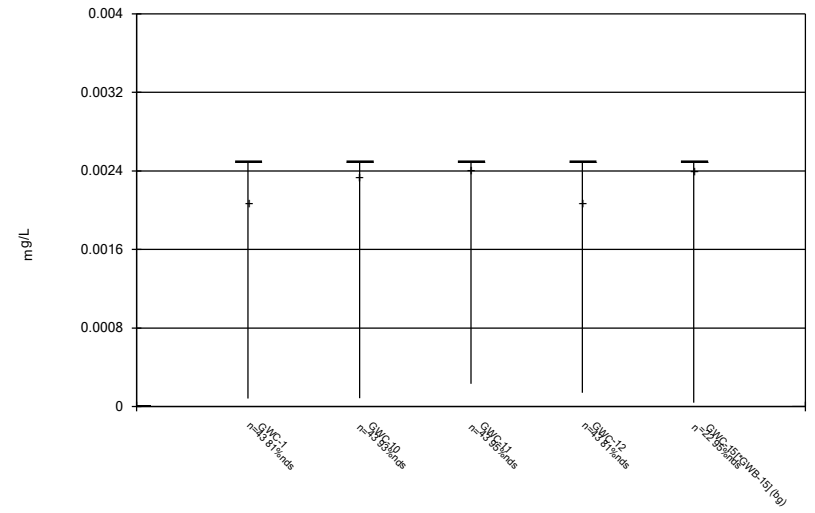
Constituent: Barium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



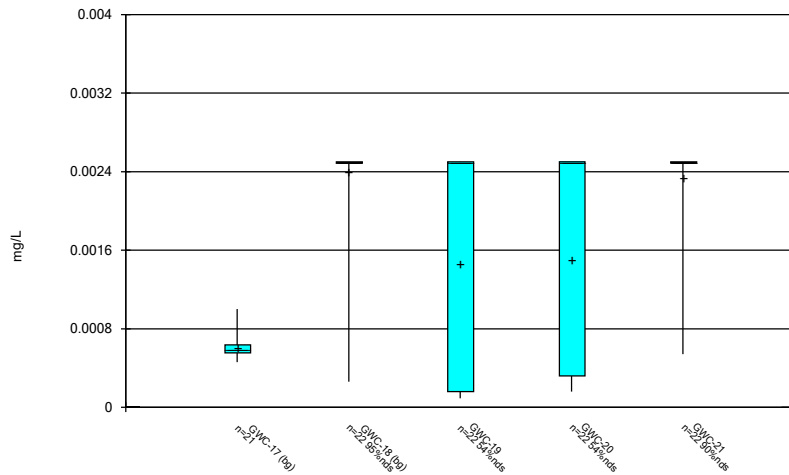
Constituent: Beryllium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



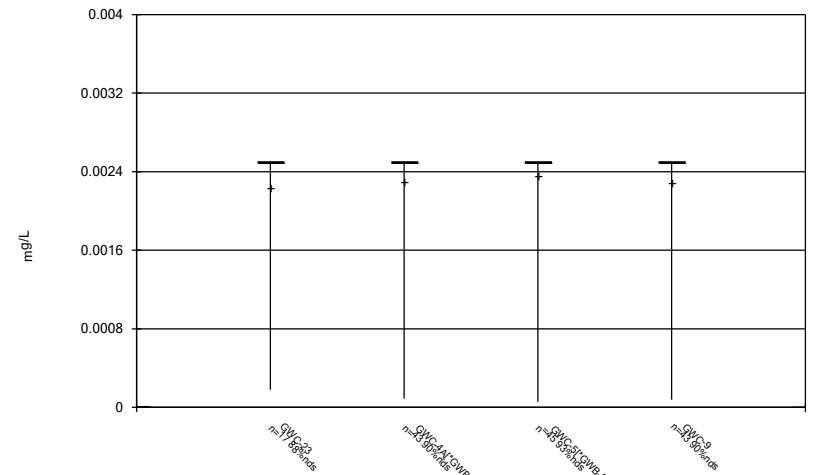
Constituent: Beryllium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



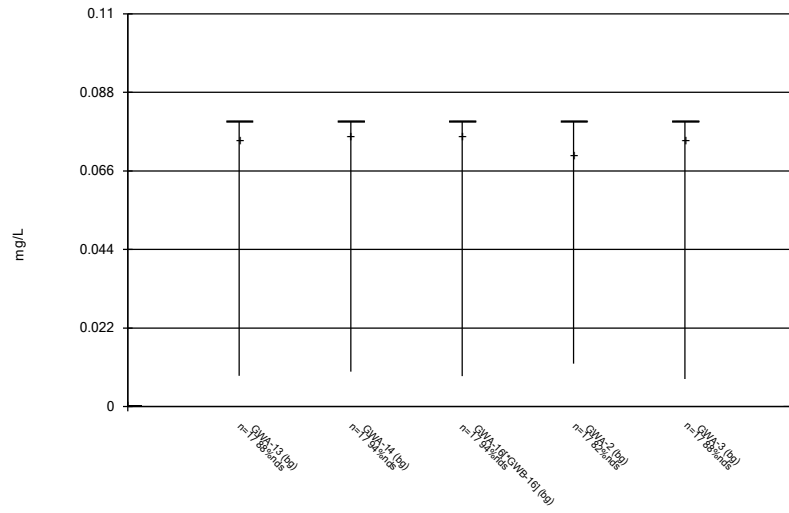
Constituent: Beryllium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



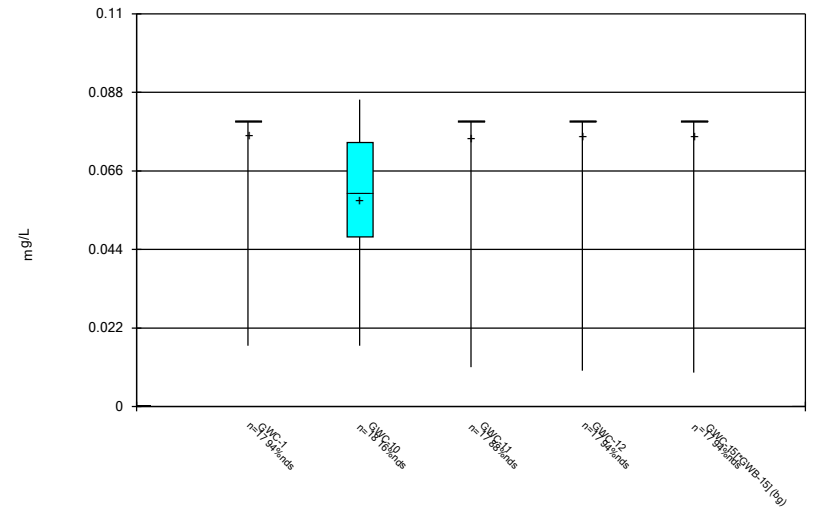
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



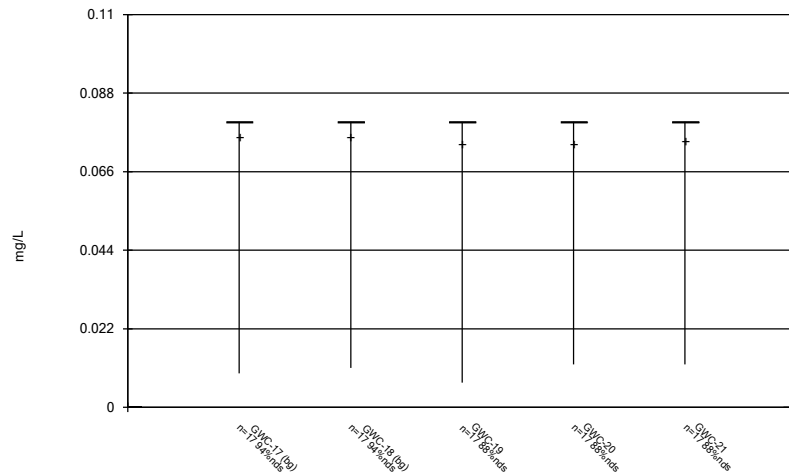
Constituent: Boron Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



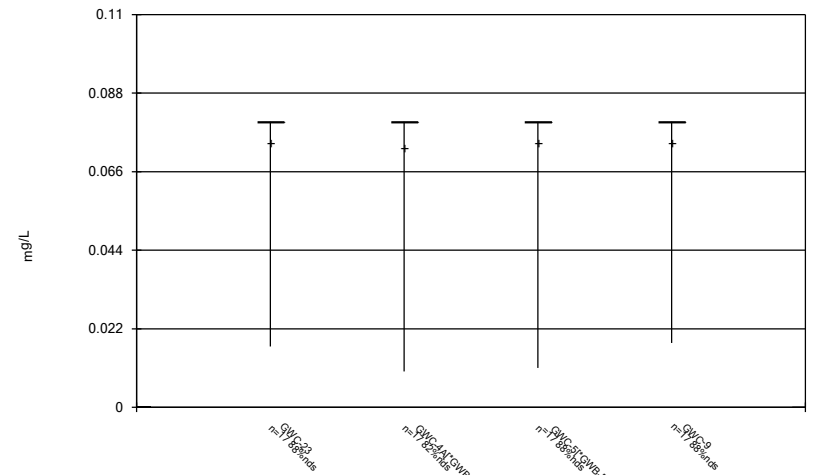
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



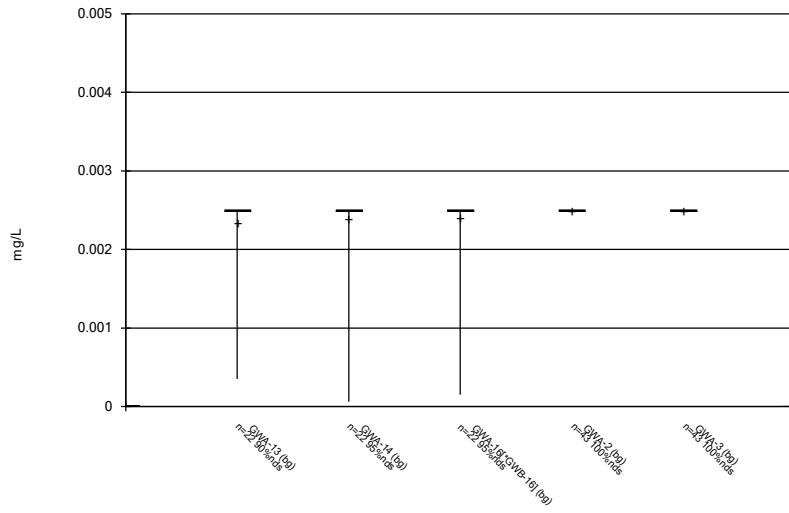
Constituent: Boron Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



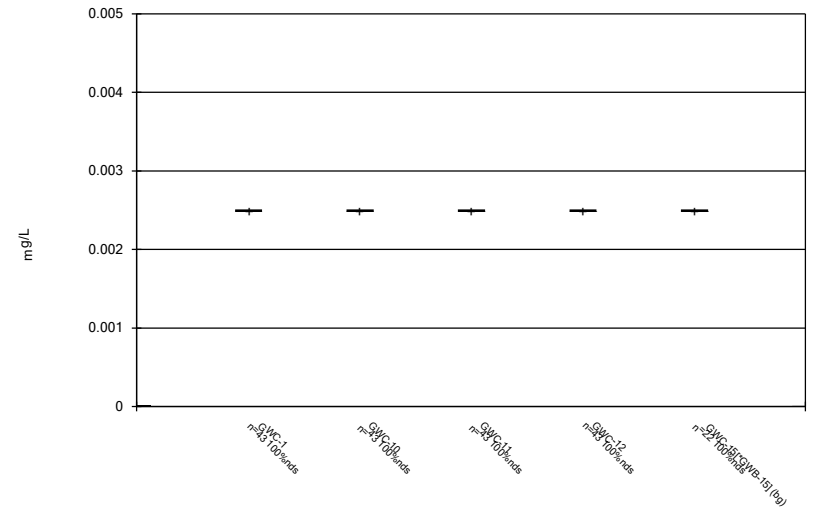
Constituent: Boron Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



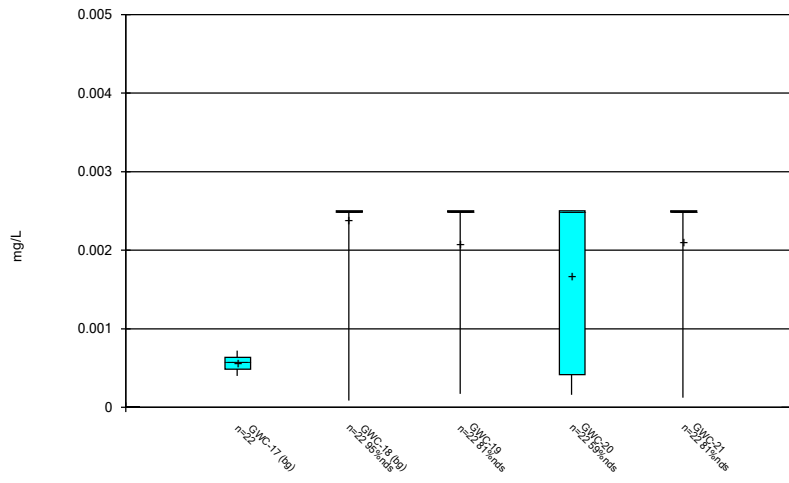
Constituent: Cadmium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



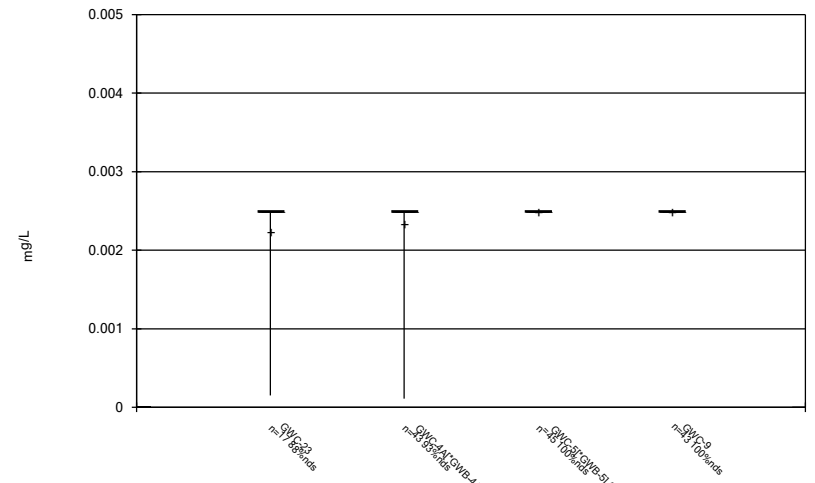
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



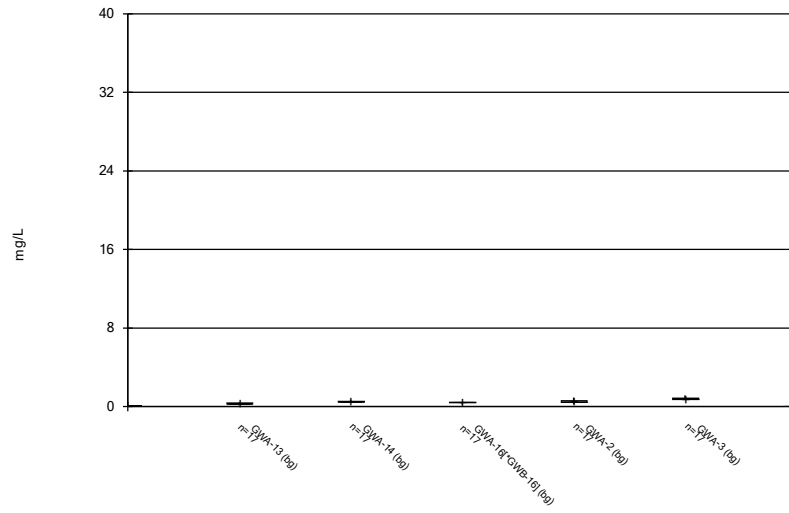
Constituent: Cadmium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



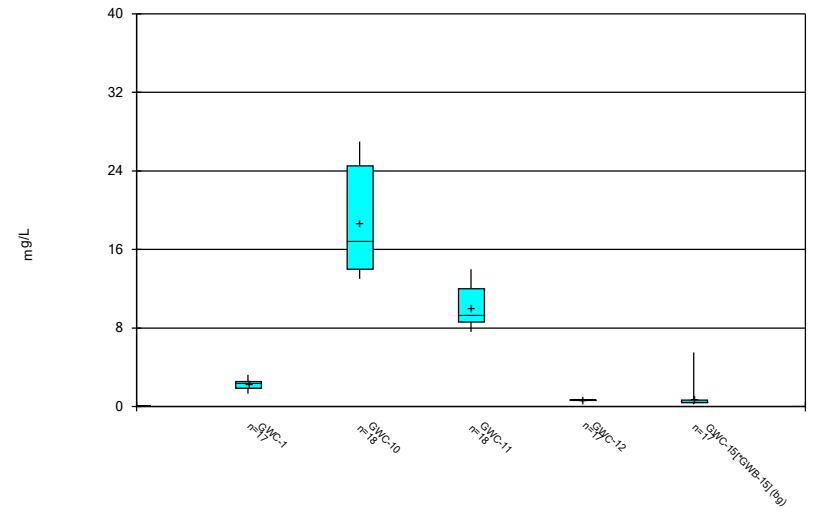
Constituent: Cadmium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



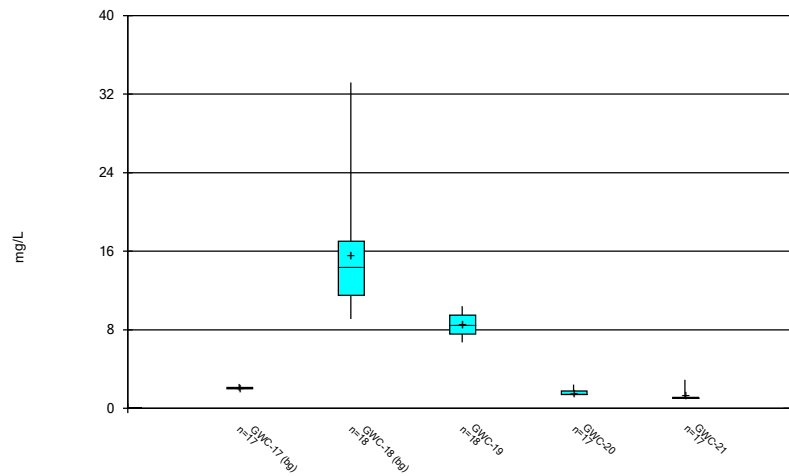
Constituent: Calcium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



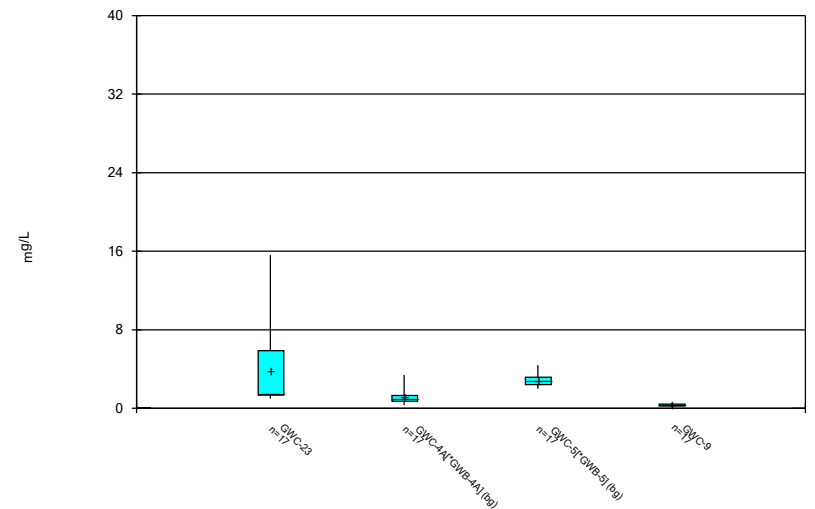
Constituent: Calcium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Calcium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

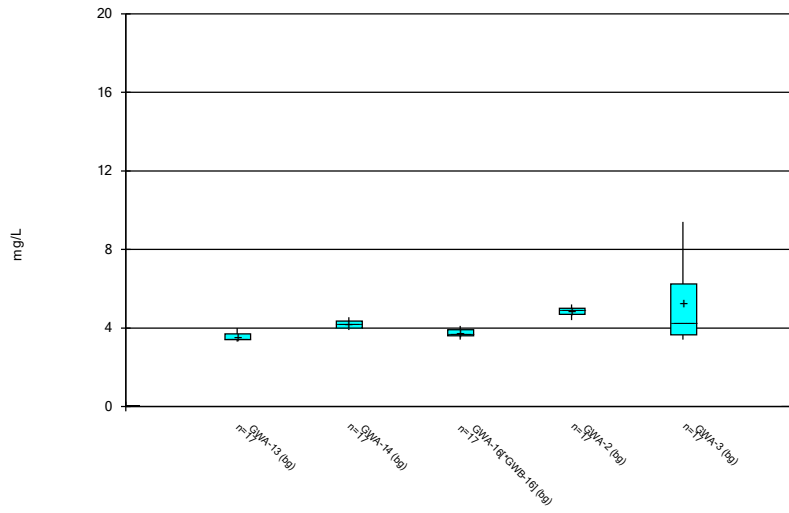
Box & Whiskers Plot



Constituent: Calcium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

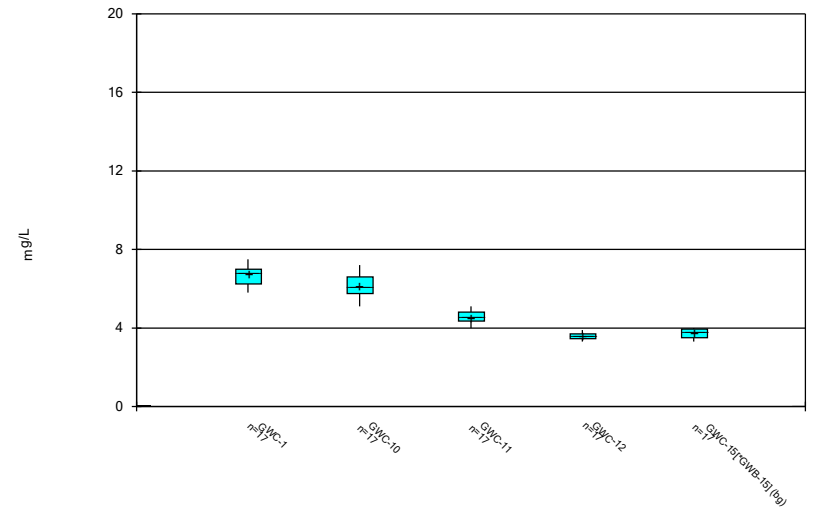


Box & Whiskers Plot



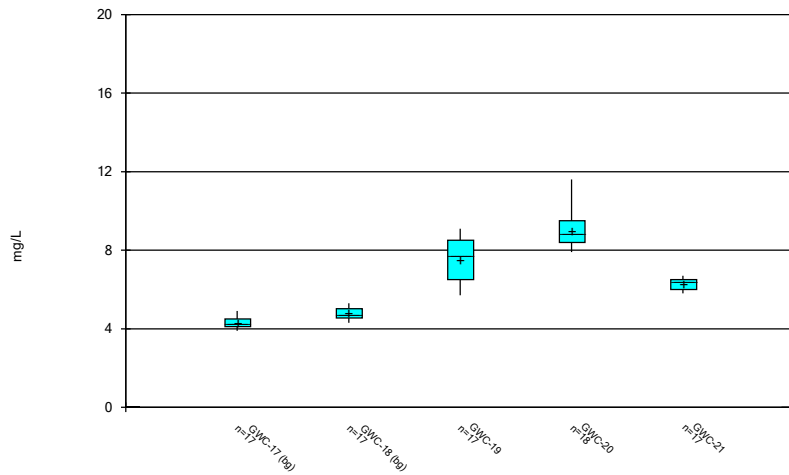
Constituent: Chloride Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



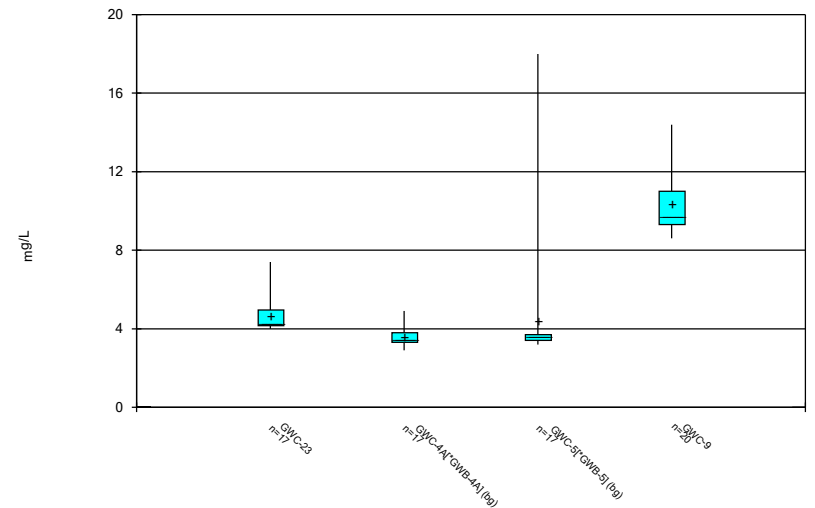
Constituent: Chloride Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



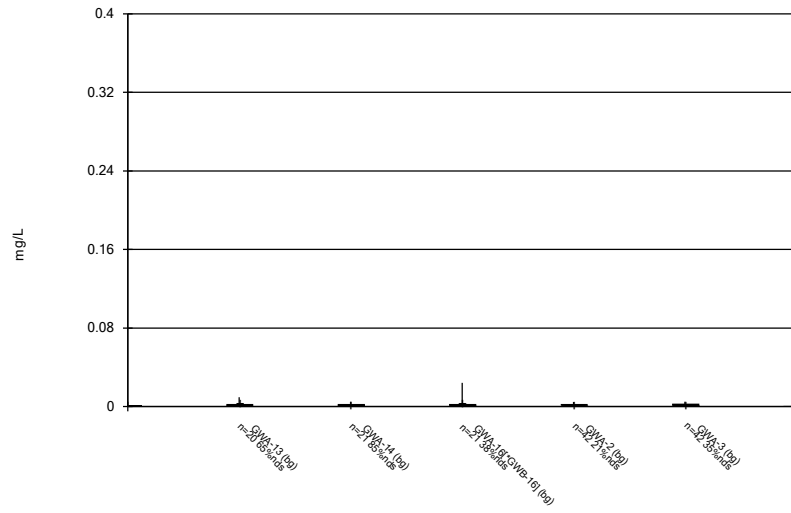
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



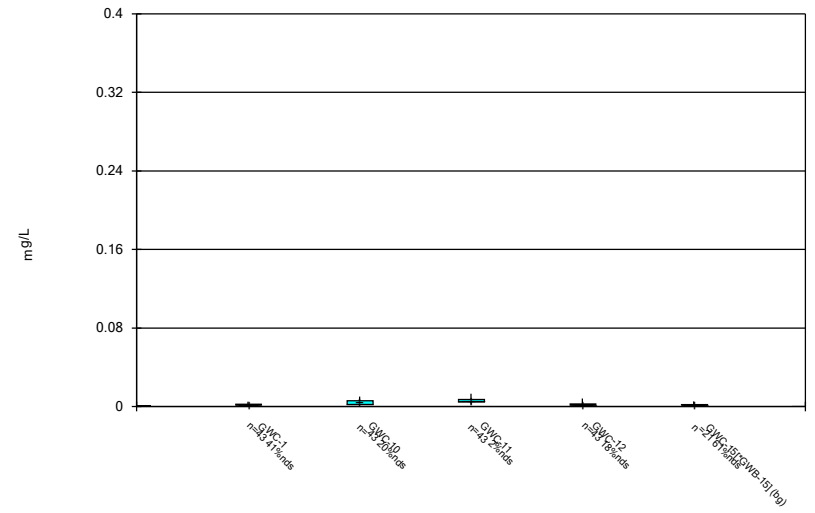
Constituent: Chloride Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



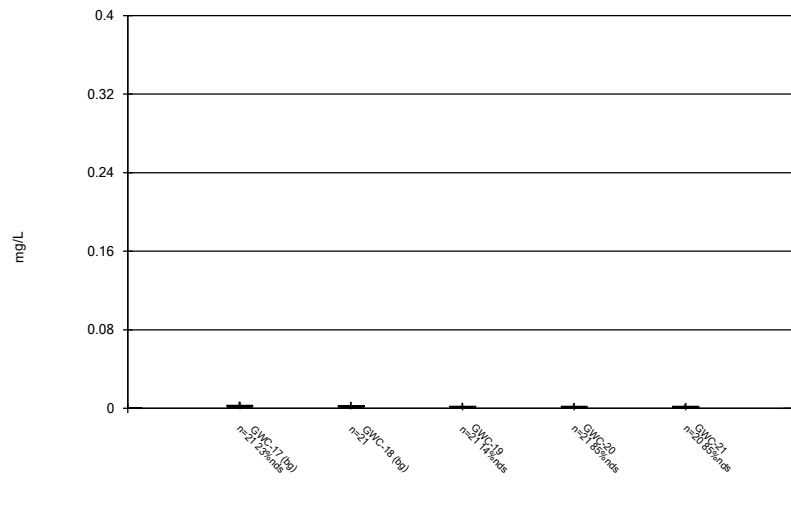
Constituent: Chromium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



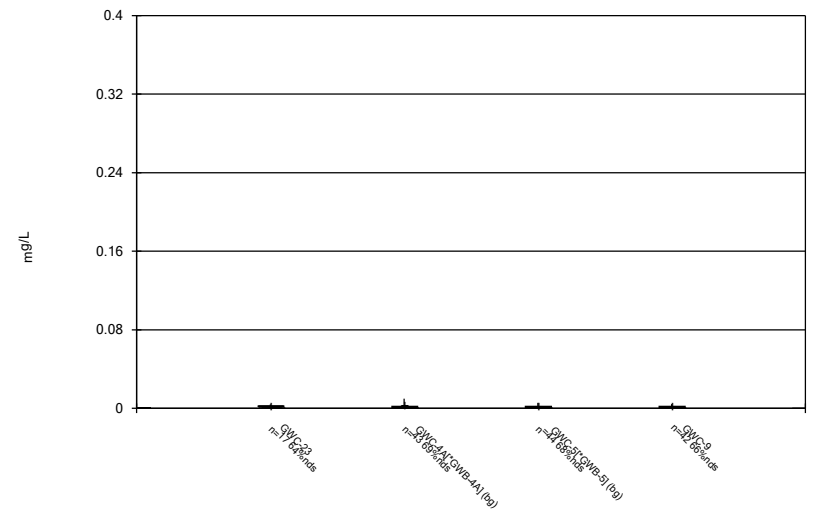
Constituent: Chromium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



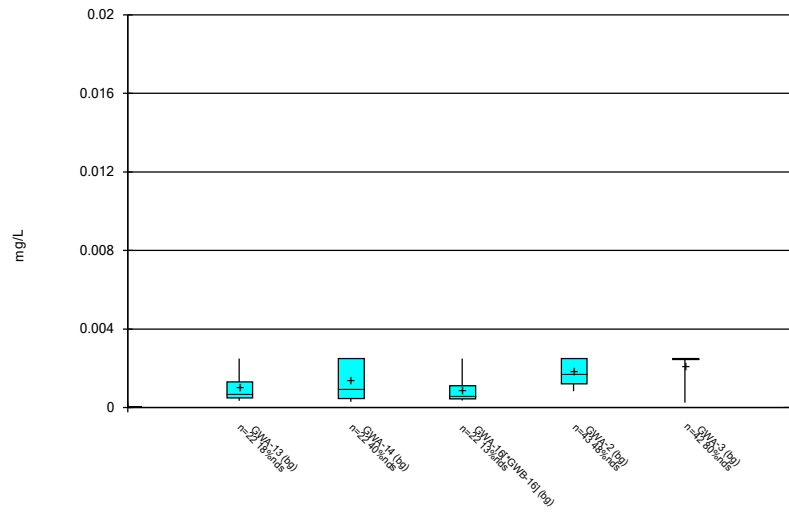
Constituent: Chromium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



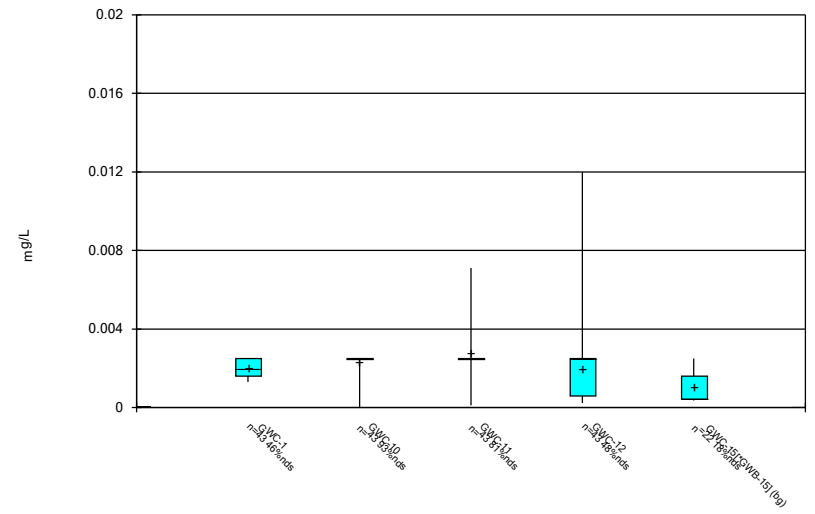
Constituent: Chromium Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



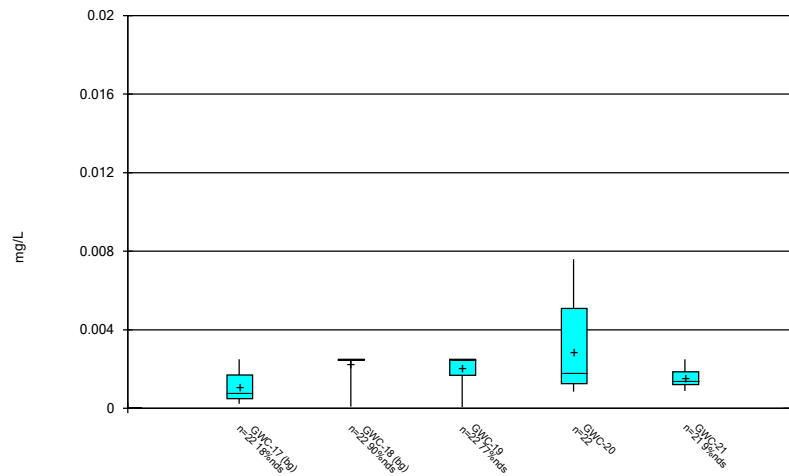
Constituent: Cobalt Analysis Run 4/27/2021 11:51 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



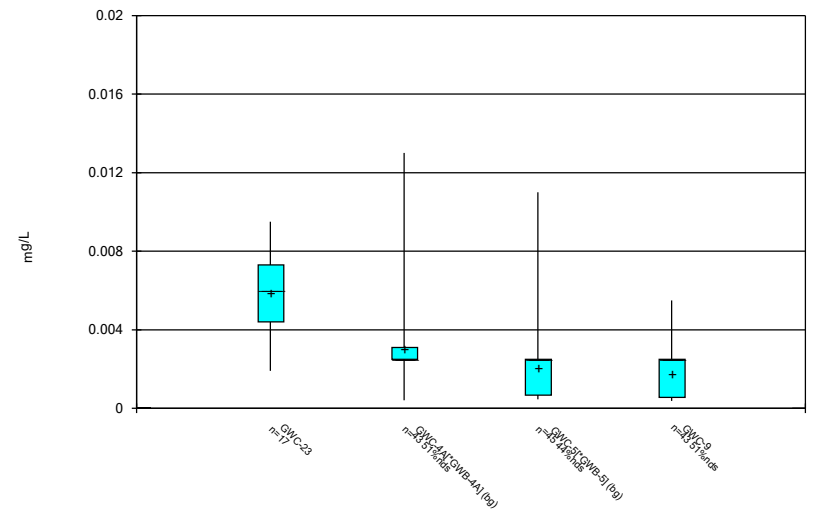
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



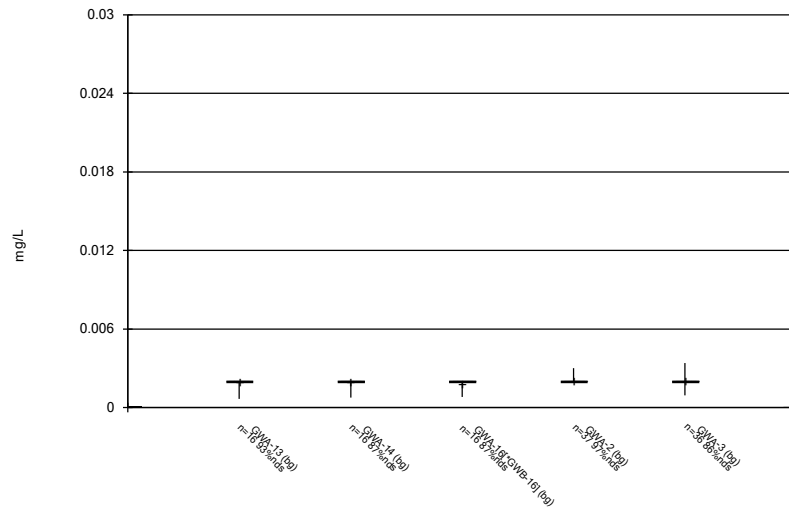
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



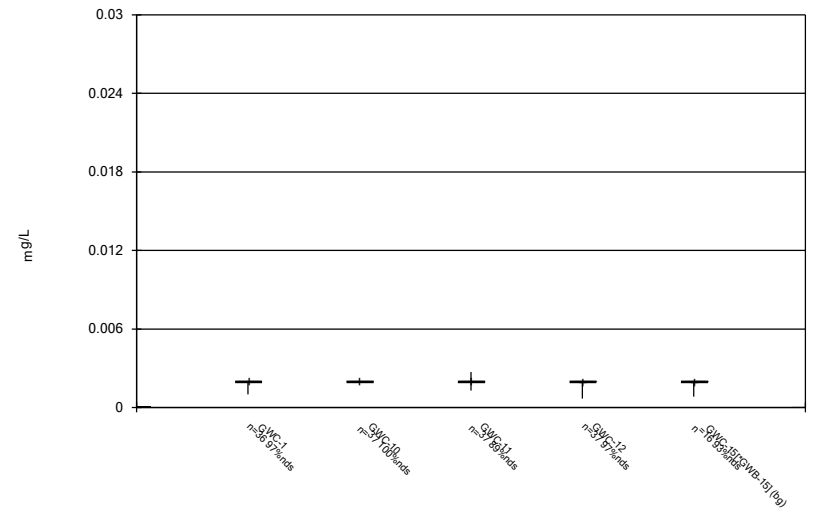
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



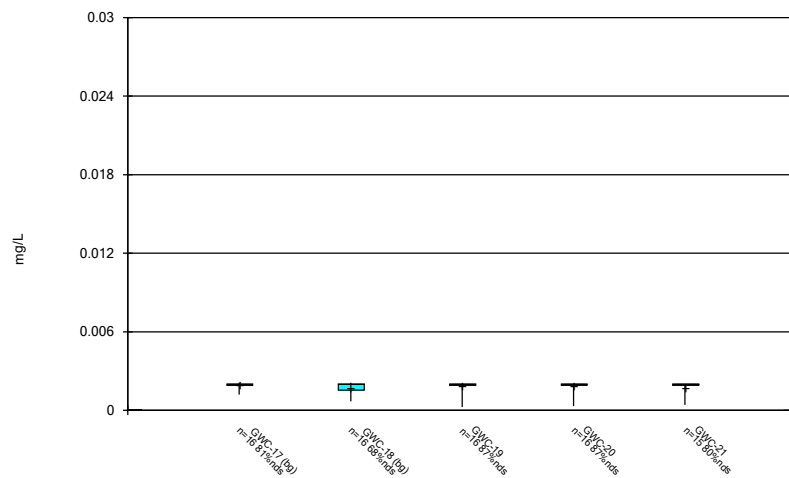
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Box & Whiskers Plot



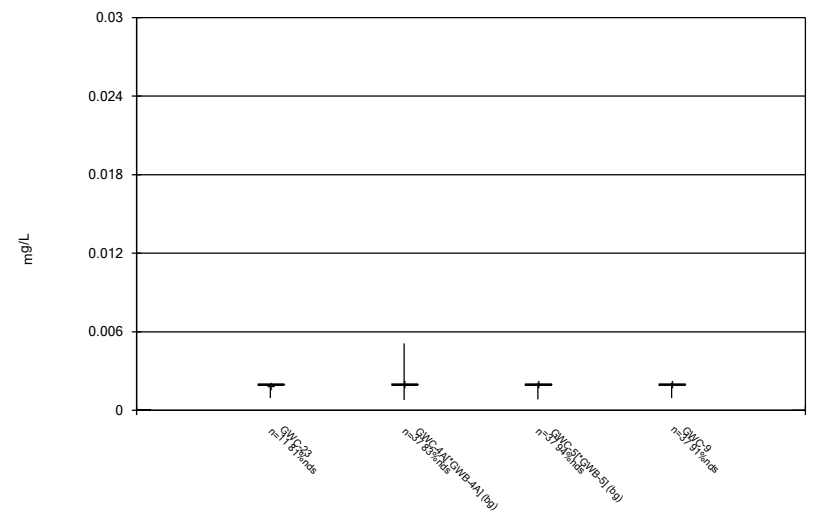
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



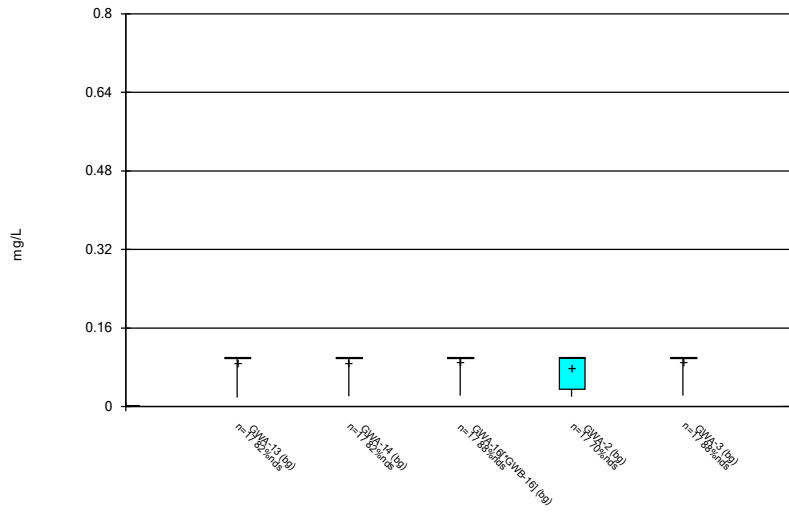
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



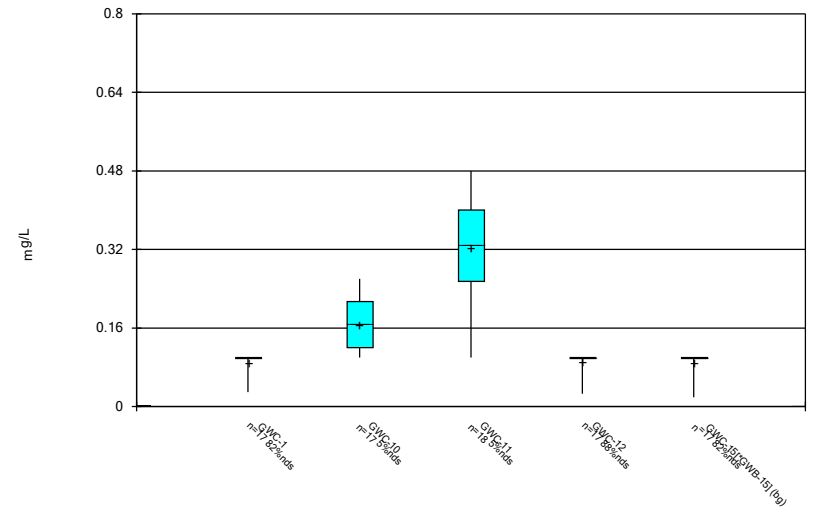
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



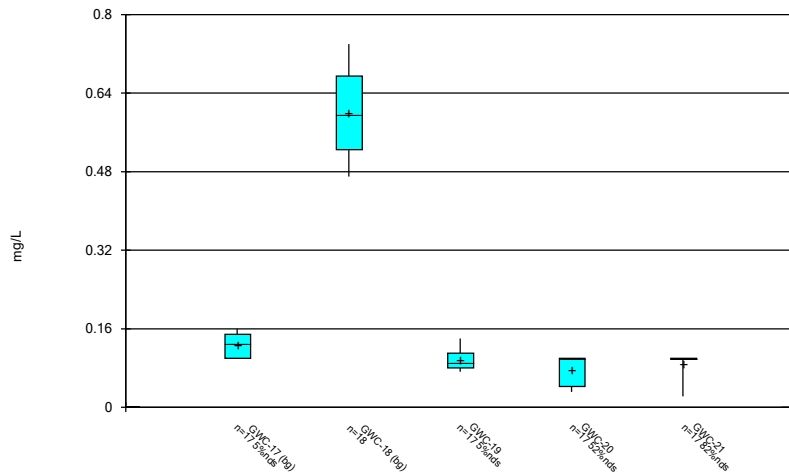
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Box & Whiskers Plot



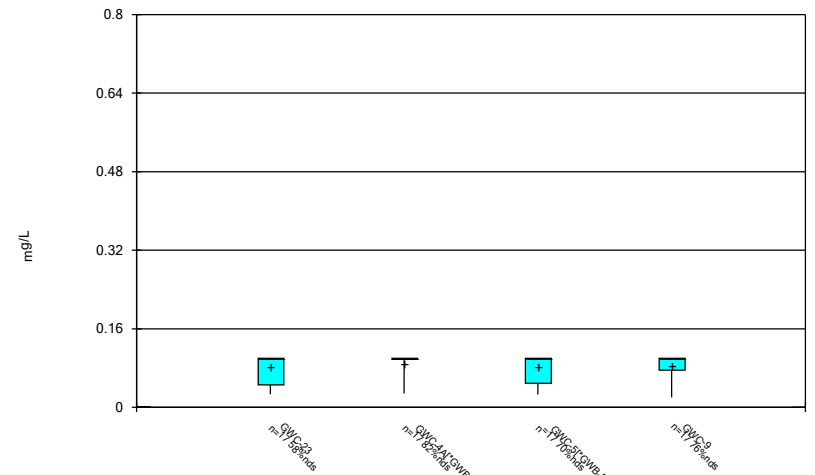
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



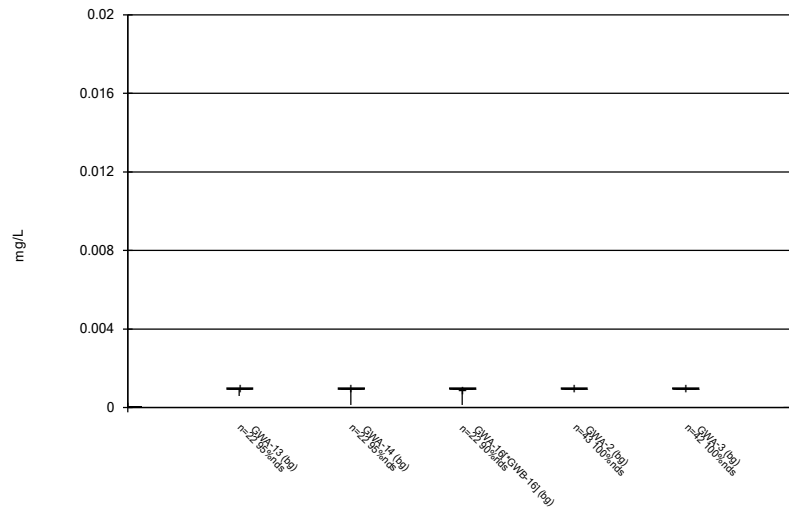
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Box & Whiskers Plot



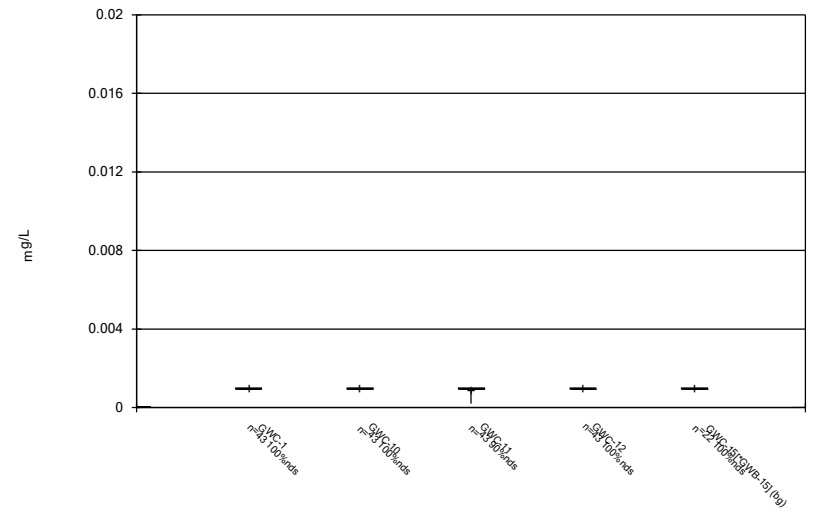
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Box & Whiskers Plot



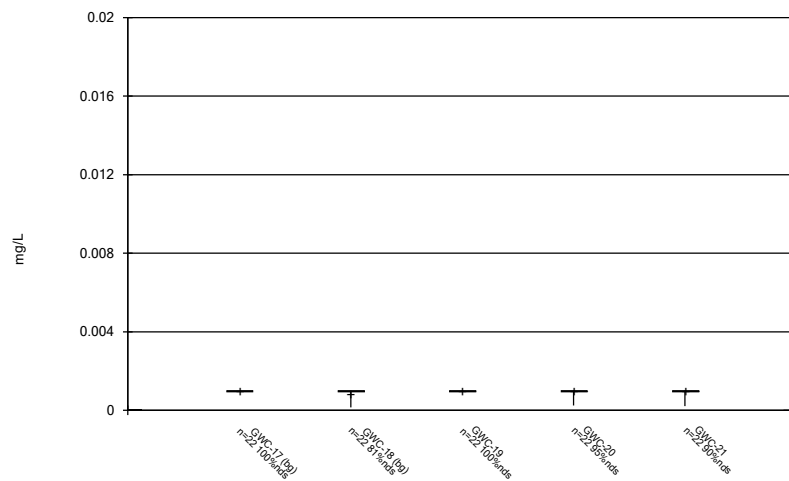
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



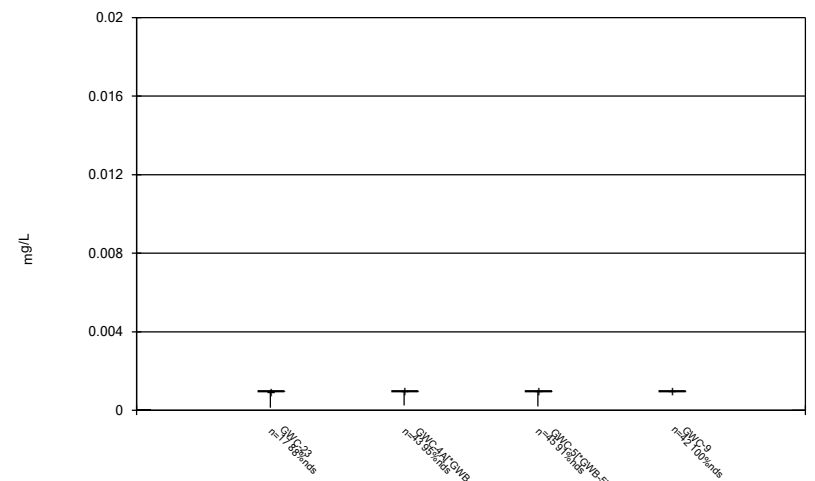
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



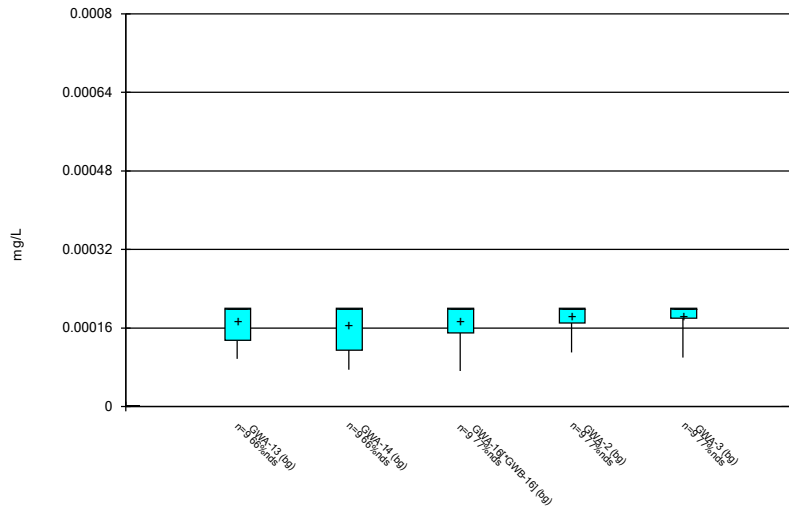
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



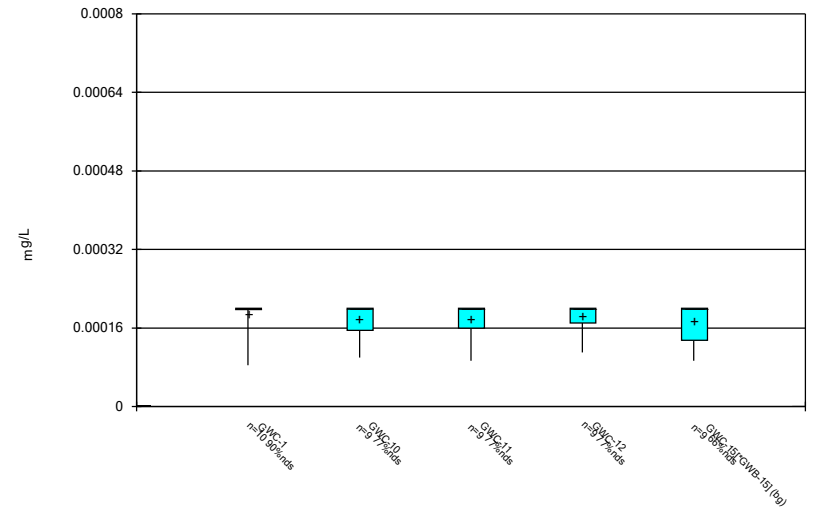
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



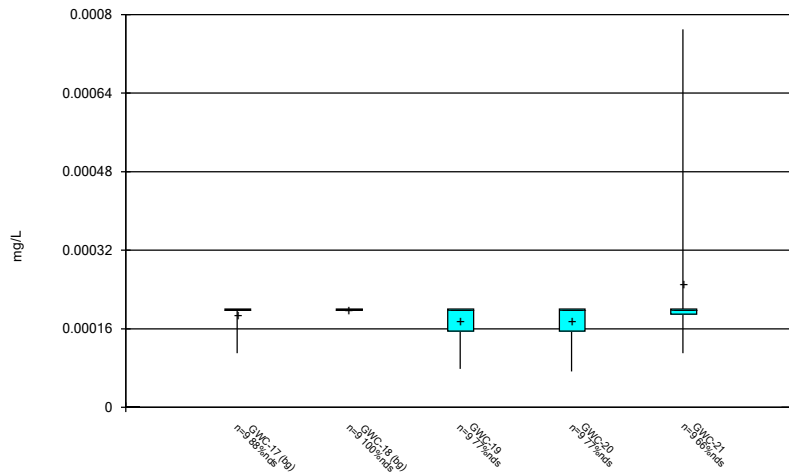
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



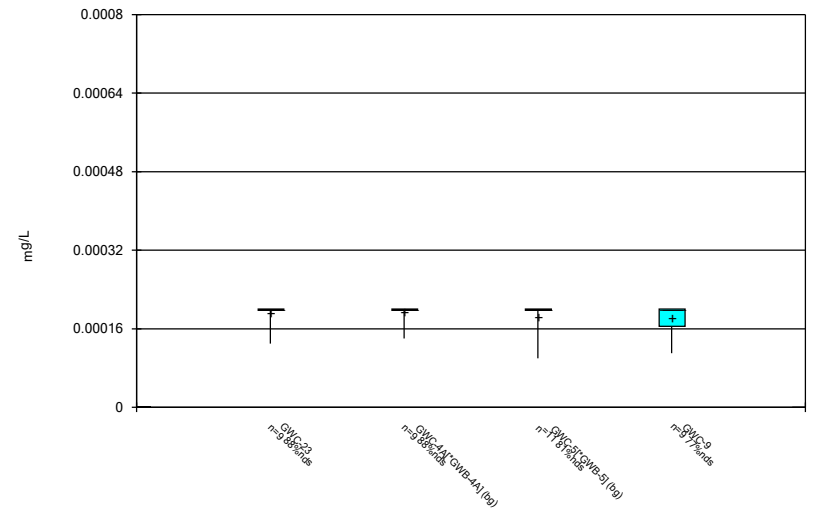
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



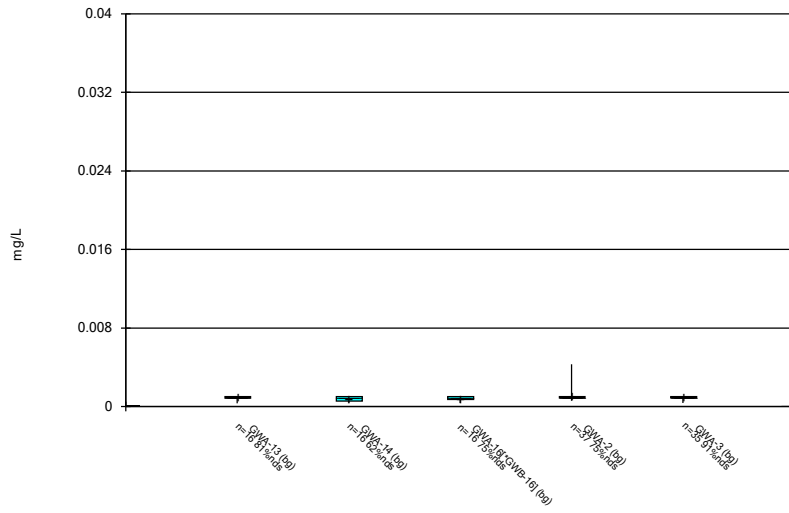
Constituent: Mercury Analysis Run 4/27/2021 11:52 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



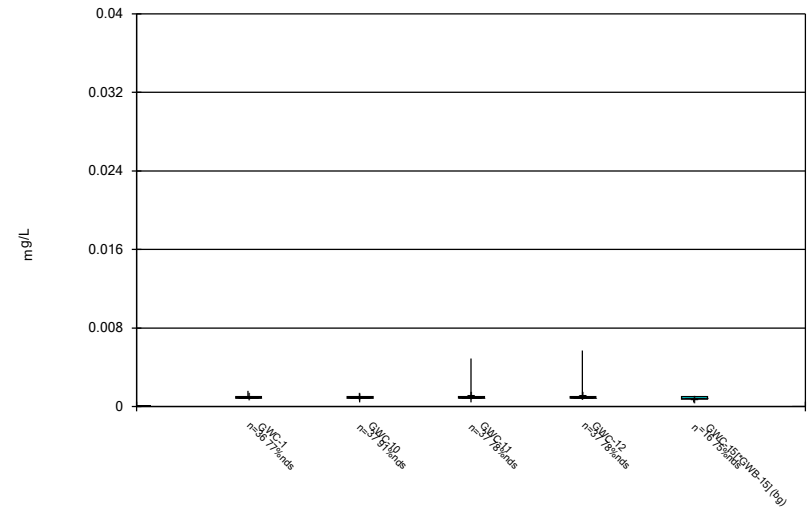
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



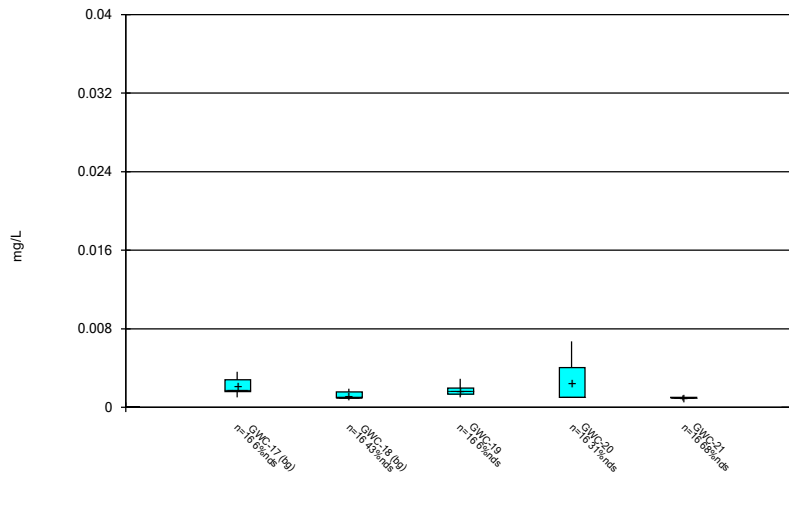
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



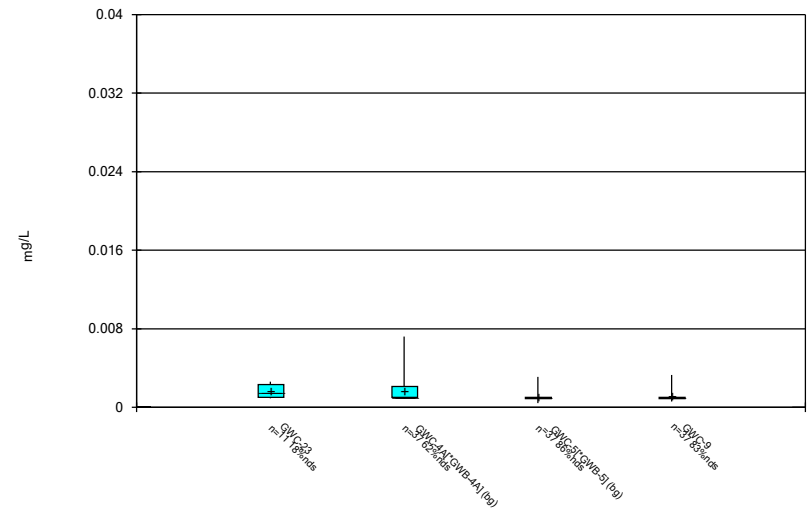
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Nickel Analysis Run 4/27/2021 11:52 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

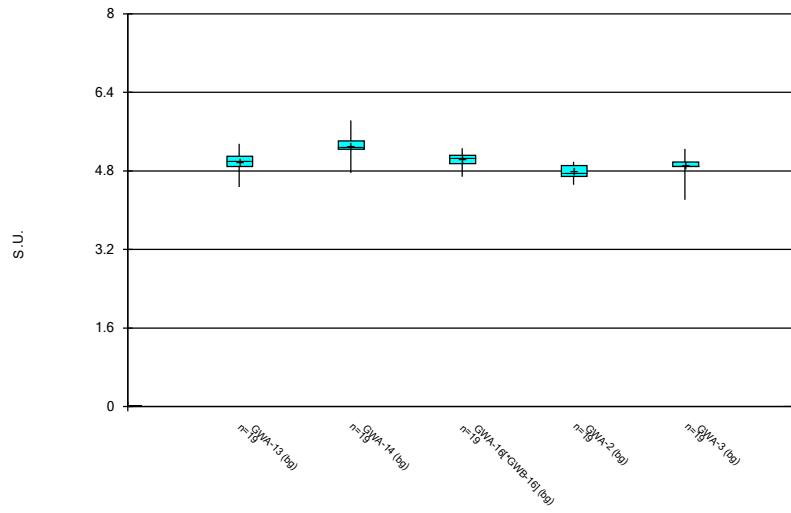
Box & Whiskers Plot



Constituent: Nickel Analysis Run 4/27/2021 11:52 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

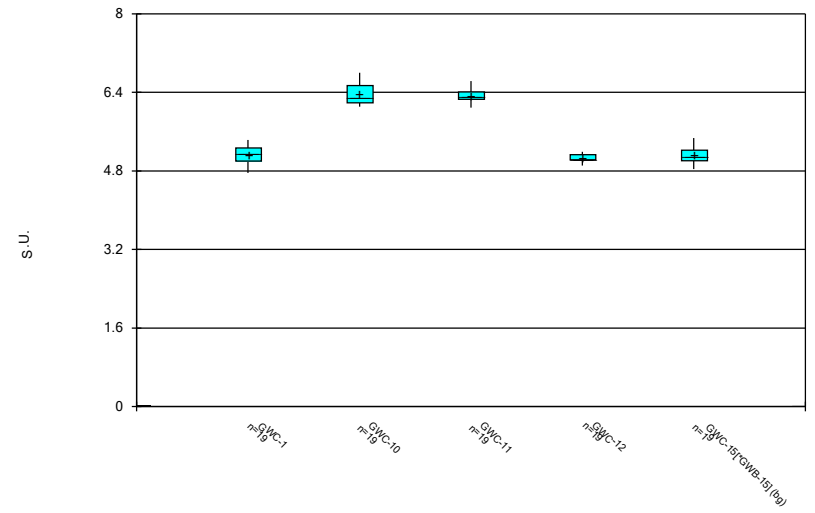


Box & Whiskers Plot



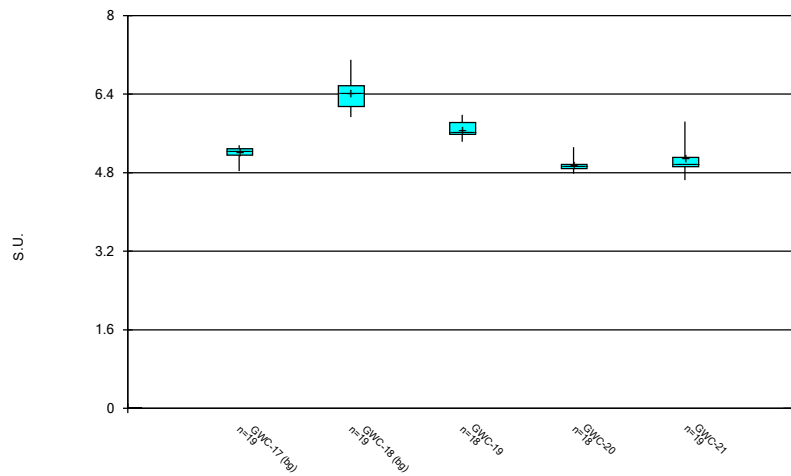
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



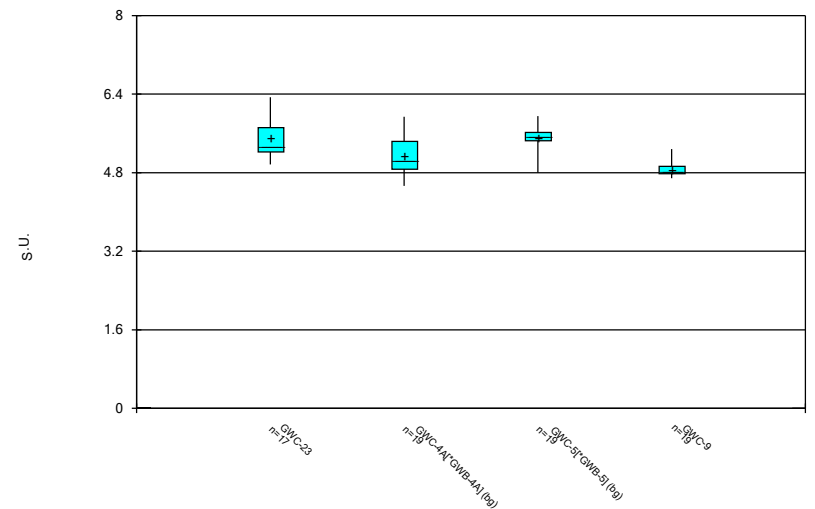
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



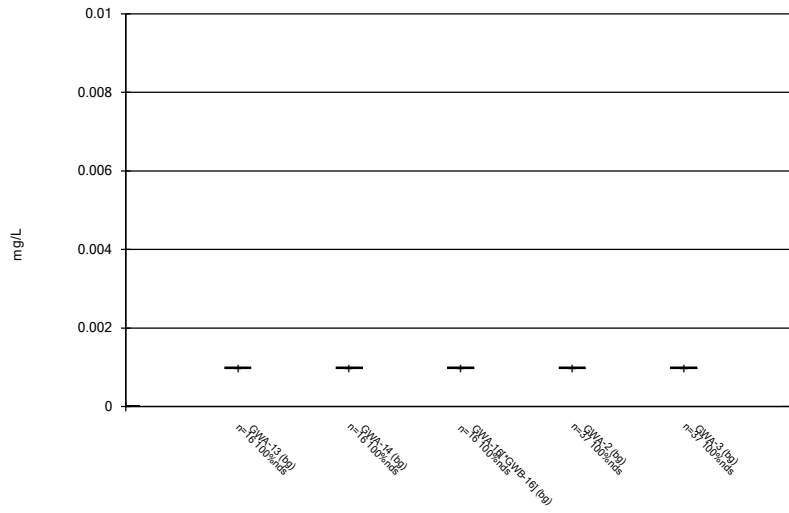
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



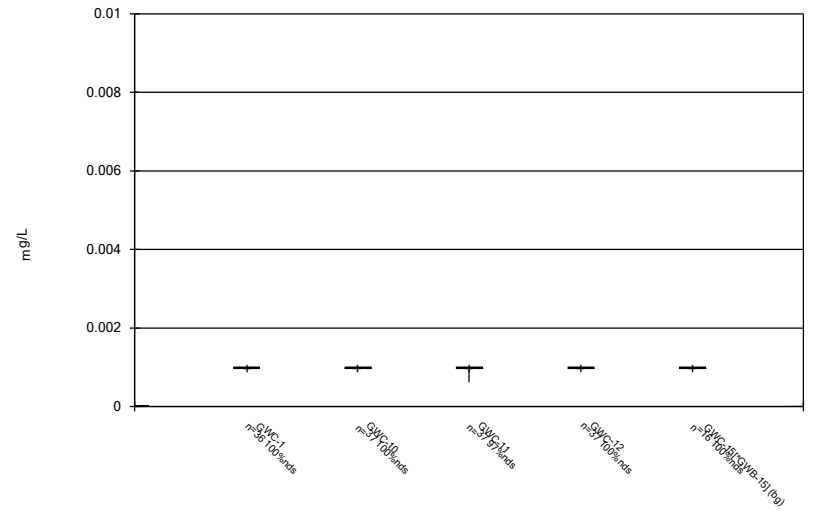
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



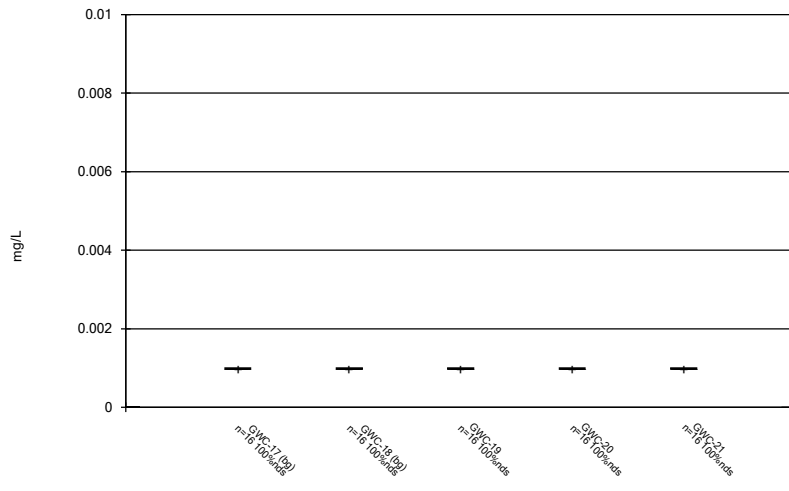
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Box & Whiskers Plot



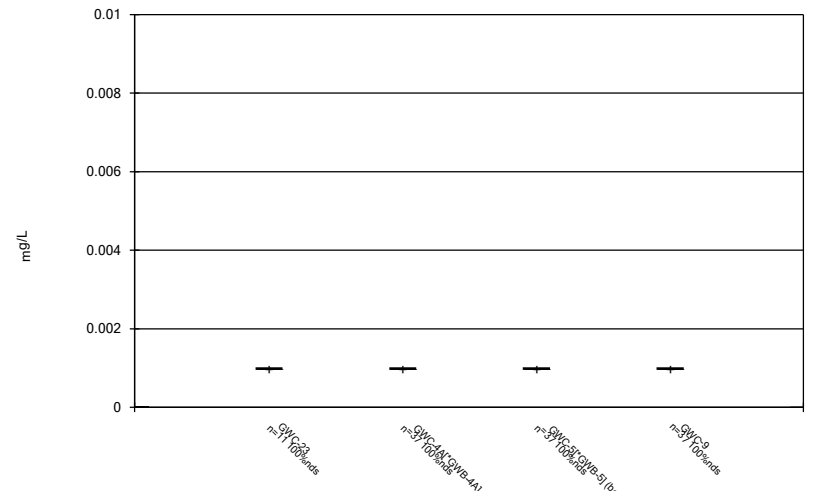
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



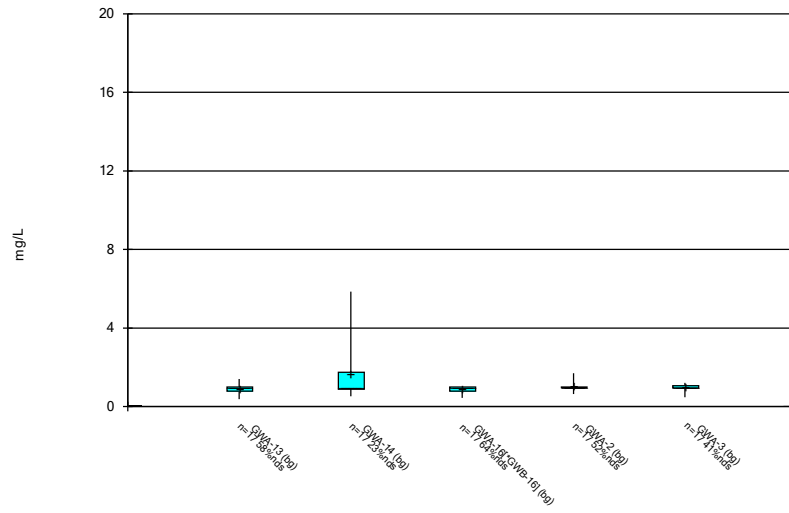
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



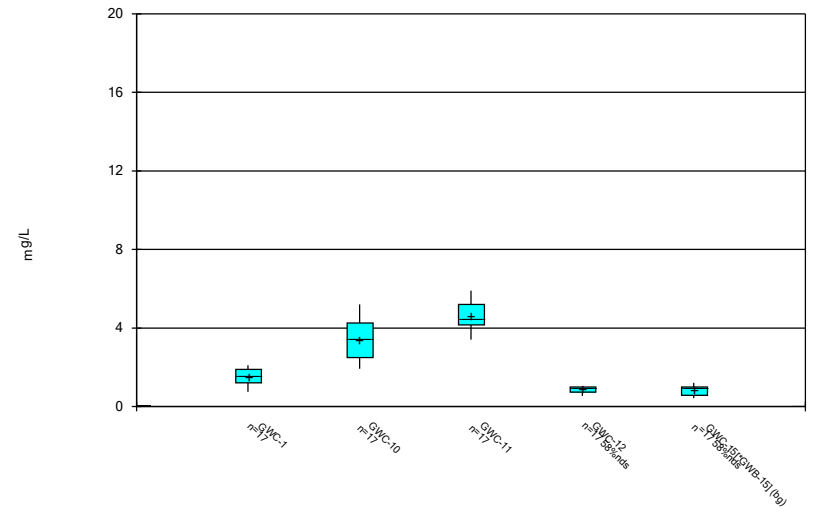
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



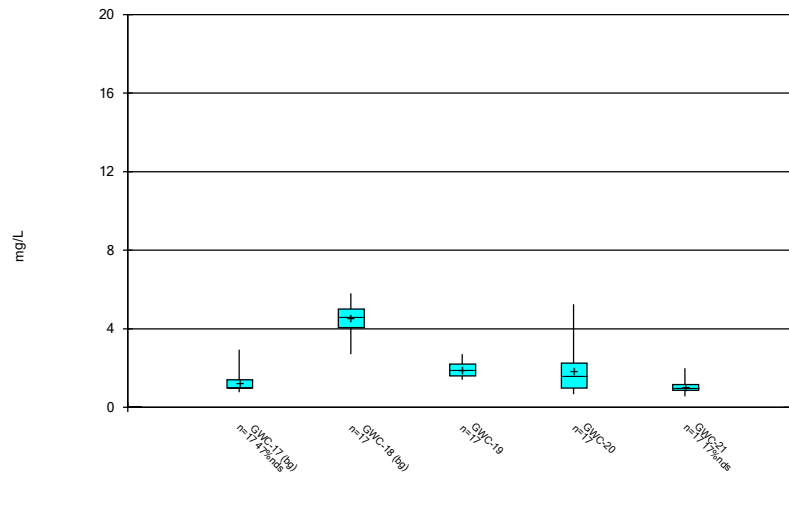
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Box & Whiskers Plot



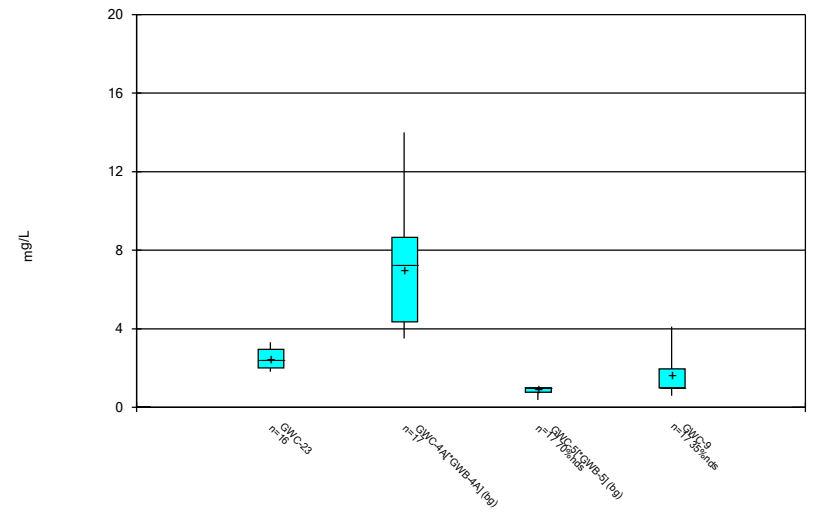
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Box & Whiskers Plot



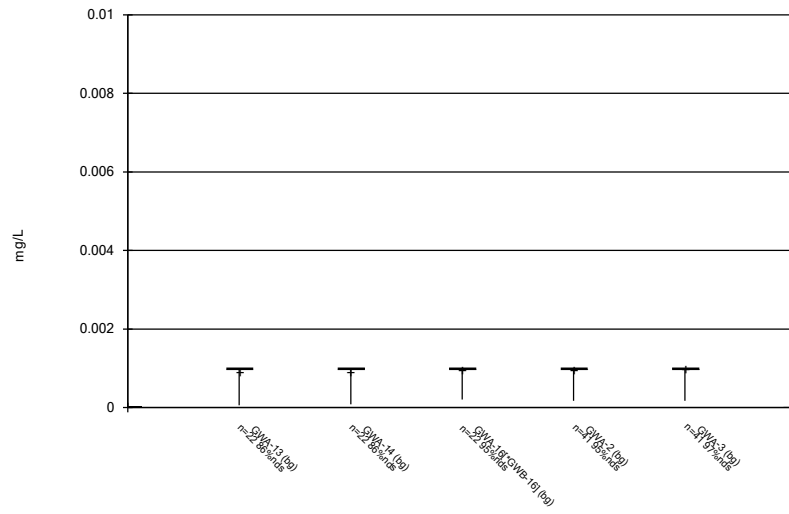
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Box & Whiskers Plot



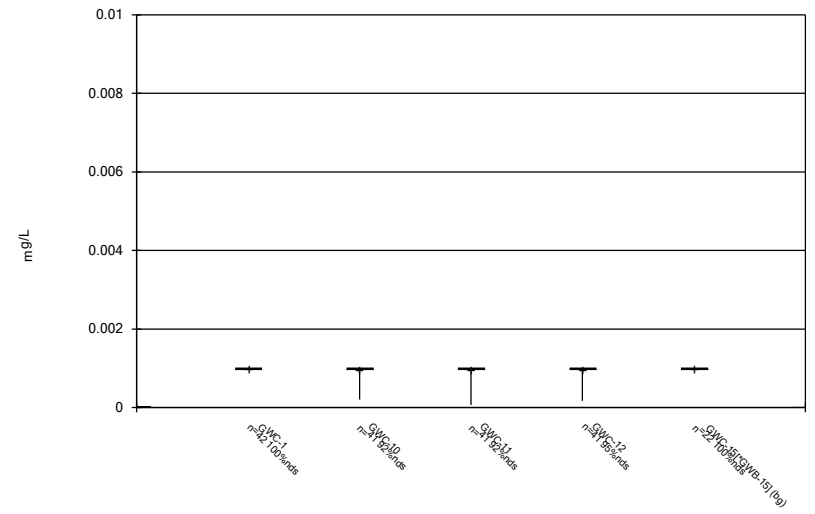
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Box & Whiskers Plot



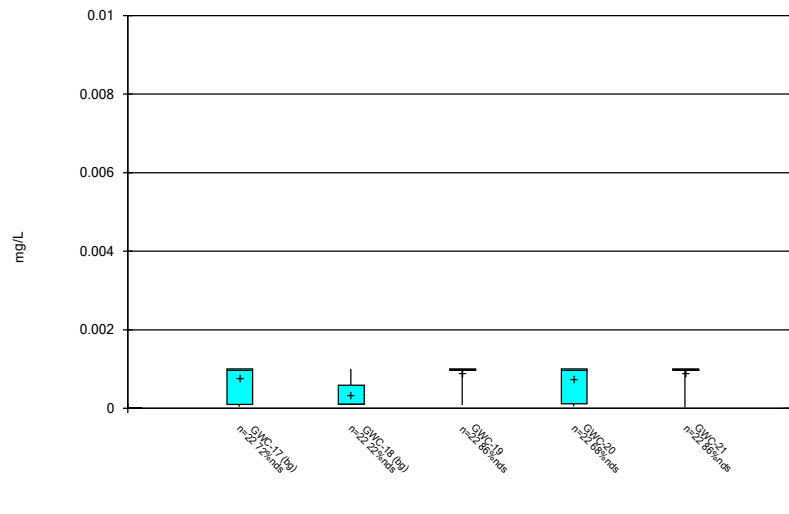
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Box & Whiskers Plot



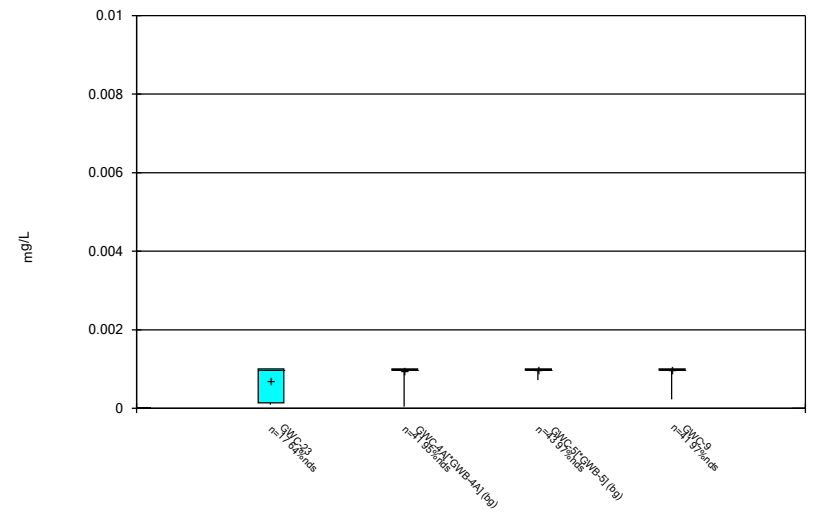
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Box & Whiskers Plot



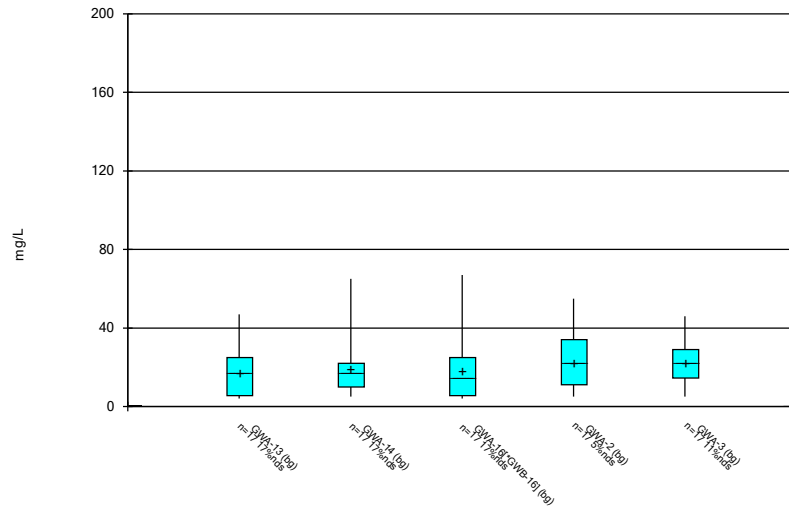
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



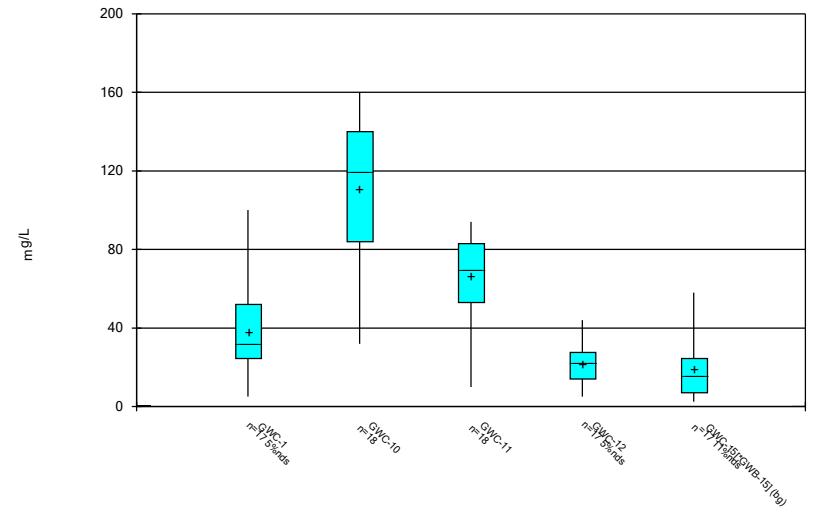
Constituent: Thallium Analysis Run 4/27/2021 11:52 AM View: Constituents View  
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Box & Whiskers Plot



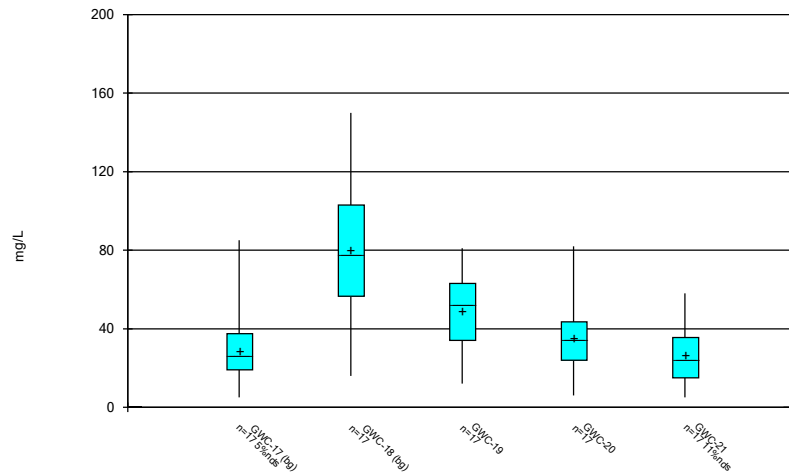
Constituent: Total Dissolved Solids Analysis Run 4/27/2021 11:52 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



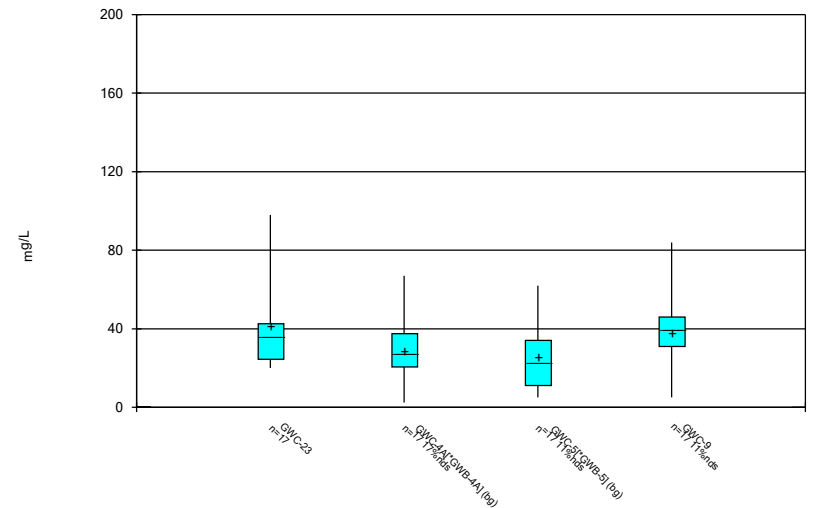
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



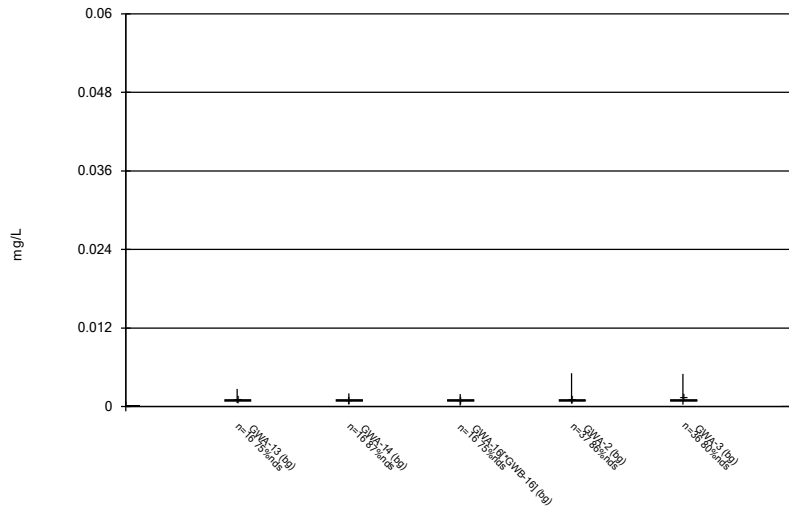
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



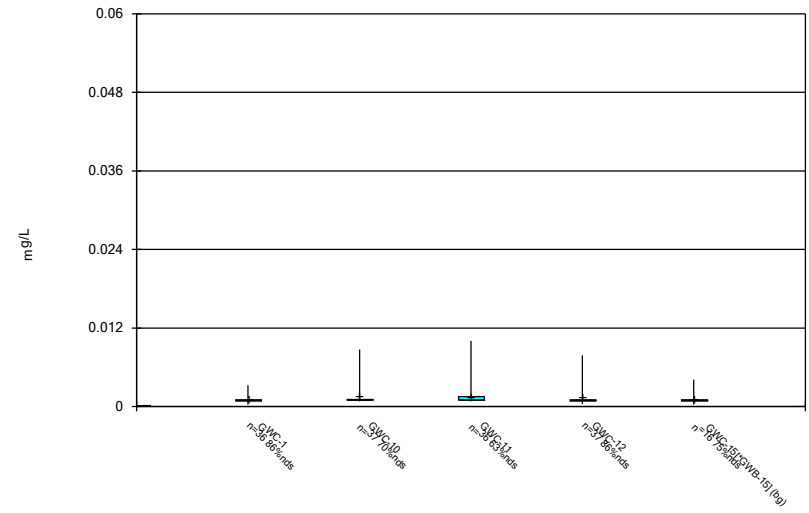
Constituent: Total Dissolved Solids Analysis Run 4/27/2021 11:52 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



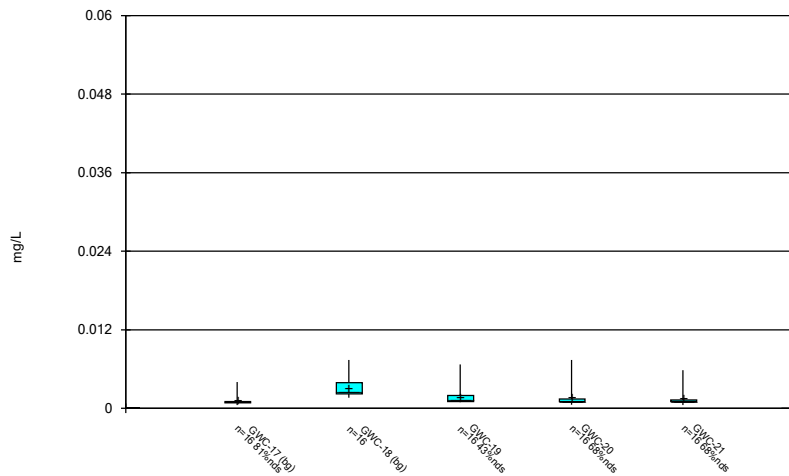
Constituent: Vanadium Analysis Run 4/27/2021 11:52 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



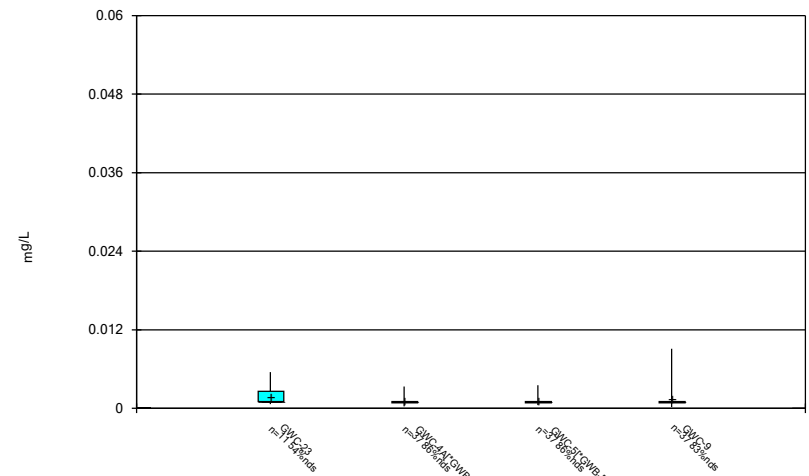
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



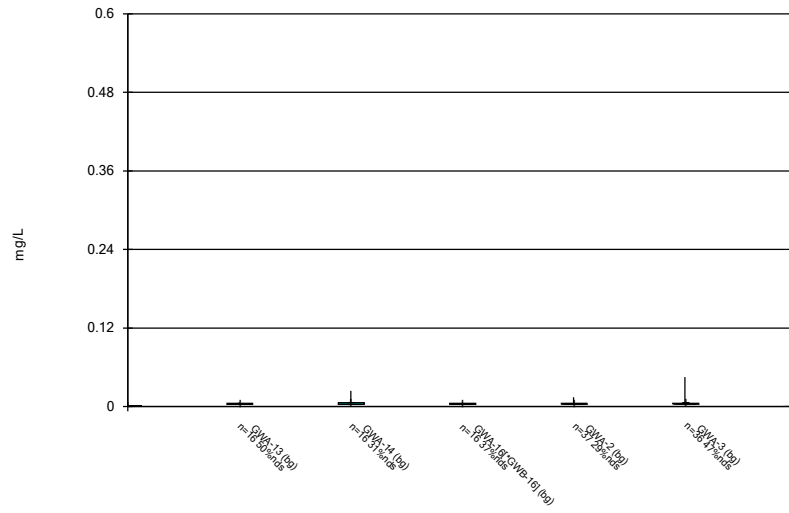
Constituent: Vanadium Analysis Run 4/27/2021 11:52 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



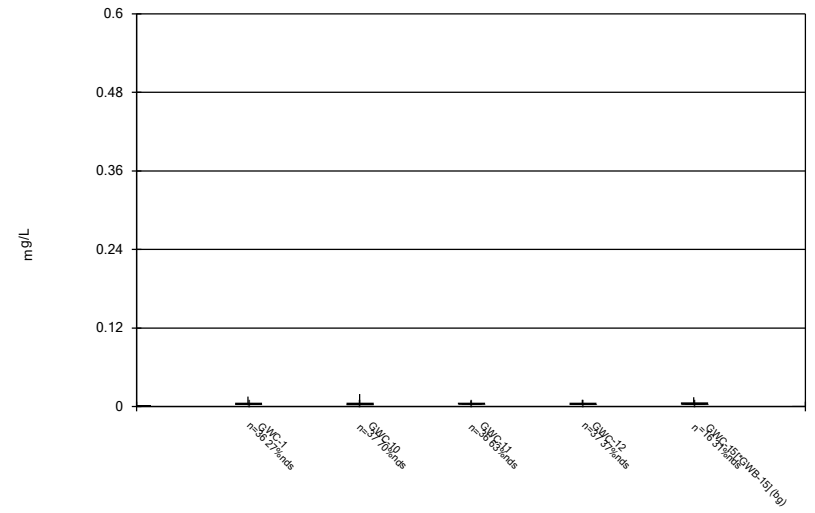
Constituent: Vanadium Analysis Run 4/27/2021 11:52 AM View: Constituents View  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



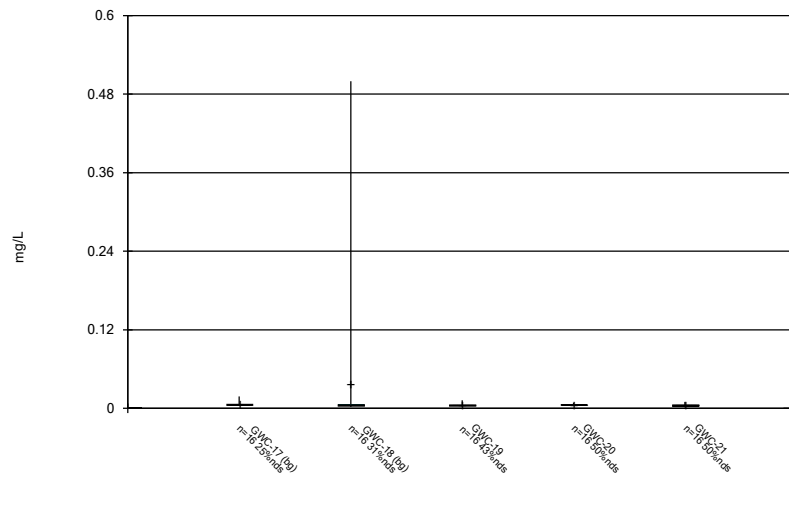
Constituent: Zinc Analysis Run 4/27/2021 11:52 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



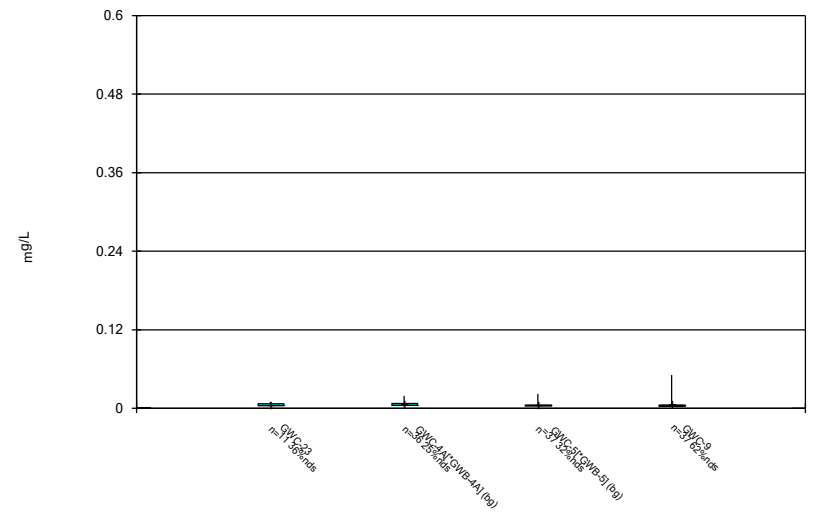
Constituent: Zinc Analysis Run 4/27/2021 11:52 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/27/2021 11:52 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/27/2021 11:52 AM View: Constituents View  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

FIGURE C.





FIGURE D.

# Appendix I Intrawell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 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>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-13	0.01736	n/a	3/16/2021	0.018	Yes	16	0.001248	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.03144	n/a	3/17/2021	0.041	Yes	37	0.004605	0	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-23	0.0025	n/a	3/17/2021	0.0027	Yes	11	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

# Appendix I IntraWell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-13	0.002	n/a	3/16/2021	0.002ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-14	0.002	n/a	3/16/2021	0.002ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-2	0.002	n/a	3/16/2021	0.002ND	No	37	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.0022	n/a	3/16/2021	0.002ND	No	37	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.002	n/a	3/17/2021	0.002ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-13	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-14	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-16[*GWB-16]	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.001	n/a	3/16/2021	0.001ND	No	36	n/a	94.44	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0013	n/a	3/16/2021	0.00069J	No	37	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	3/17/2021	0.0014	No	37	n/a	70.27	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.001	n/a	3/16/2021	0.001ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15[*GWB-15]	0.001	n/a	3/17/2021	0.001ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-17	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001229	n/a	3/17/2021	0.00072J	No	16	0.0002231	31.25	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-19	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-21	0.0022	n/a	3/17/2021	0.001ND	No	16	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001734	n/a	3/17/2021	0.001ND	No	11	0.006873	45.45	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-4A[*GWB-4A]	0.0027	n/a	3/17/2021	0.001ND	No	37	n/a	75.68	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5[*GWB-5]	0.0027	n/a	3/17/2021	0.001ND	No	39	n/a	94.87	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.001	n/a	3/17/2021	0.001ND	No	37	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
<b>Barium (mg/L)</b>	<b>GWA-13</b>	<b>0.01736</b>	<b>n/a</b>	<b>3/16/2021</b>	<b>0.018</b>	<b>Yes</b>	<b>16</b>	<b>0.001248</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Barium (mg/L)	GWA-14	0.018	n/a	3/16/2021	0.013	No	16	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWA-16[*GWB-16]	0.02941	n/a	3/16/2021	0.025	No	16	0.002701	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-2	0.036	n/a	3/16/2021	0.035	No	14	0.000007789	0	None	x^3	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-3	0.02553	n/a	3/16/2021	0.015	No	34	0.02092	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-1	0.05613	n/a	3/16/2021	0.039	No	18	0.008527	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.03867	n/a	3/16/2021	0.019	No	37	0.3426	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.026	n/a	3/17/2021	0.016	No	36	n/a	0	n/a	n/a	0.000111	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.01492	n/a	3/16/2021	0.01	No	37	0.001788	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-15[*GWB-15]	0.02811	n/a	3/17/2021	0.028	No	16	0.001826	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-17	0.02102	n/a	3/16/2021	0.017	No	16	0.001626	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.05567	n/a	3/17/2021	0.013	No	16	0.01398	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.057	n/a	3/16/2021	0.0099J	No	16	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-20	0.04774	n/a	3/16/2021	0.016	No	16	0.3019	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-21	0.02848	n/a	3/17/2021	0.019	No	16	0.2397	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.08327	n/a	3/17/2021	0.024	No	11	0.01433	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-4A[*GWB-4A]	0.03562	n/a	3/17/2021	0.014	No	37	0.007165	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-5[*GWB-5]	0.06741	n/a	3/17/2021	0.04	No	19	0.014	0	None	No	0.0003901	Param Intra 1 of 3
<b>Barium (mg/L)</b>	<b>GWC-9</b>	<b>0.03144</b>	<b>n/a</b>	<b>3/17/2021</b>	<b>0.041</b>	<b>Yes</b>	<b>37</b>	<b>0.004605</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Beryllium (mg/L)	GWA-13	0.0025	n/a	3/16/2021	0.0002J	No	15	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-14	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	n/a	3/16/2021	0.0025ND	No	37	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-3	0.0025	n/a	3/16/2021	0.0025ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-1	0.0025	n/a	3/16/2021	0.00022J	No	37	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0025	n/a	3/16/2021	0.00033J	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.0025	n/a	3/17/2021	0.00048J	No	37	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0025	n/a	3/16/2021	0.00037J	No	37	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-17	0.0006922	n/a	3/16/2021	0.00062J	No	15	0.00006281	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWC-18	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.0025	n/a	3/16/2021	0.00024J	No	16	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-20	0.0025	n/a	3/16/2021	0.00022J	No	16	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.0025	n/a	3/17/2021	0.00018J	No	11	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	3/17/2021	0.0025ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5[*GWB-5]	0.0025	n/a	3/17/2021	0.0025ND	No	39	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0025	n/a	3/17/2021	0.00024J	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-13	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-14	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-17	0.000773	n/a	3/16/2021	0.00057J	No	16	0.00009557	0	None	No	0.0003901	Param Intra 1 of 3
Cadmium (mg/L)	GWC-18	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-19	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-20	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-21	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-23	0.0025	n/a	3/17/2021	0.0025ND	No	11	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	3/17/2021	0.0025ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-13	0.0094	n/a	3/16/2021	0.002ND	No	14	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-14	0.0047	n/a	3/16/2021	0.002ND	No	15	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-16[*GWB-16]	0.003104	n/a	3/16/2021	0.0017J	No	15	0.01054	46.67	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-2	0.002707	n/a	3/16/2021	0.0015J	No	36	0.007574	22.22	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-3	0.002978	n/a	3/16/2021	0.0015J	No	36	0.4922	33.33	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-1	0.005	n/a	3/16/2021	0.002ND	No	37	n/a	35.14	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-10	0.01	n/a	3/16/2021	0.0054	No	37	n/a	24.32	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.009367	n/a	3/17/2021	0.0031	No	37	0.002115	2.703	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-12	0.01	n/a	3/16/2021	0.0019J	No	37	n/a	21.62	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-15[*GWB-15]	0.0051	n/a	3/17/2021	0.002ND	No	15	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-17	0.01	n/a	3/16/2021	0.0031	No	15	n/a	33.33	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-18	0.004525	n/a	3/17/2021	0.0027	No	15	0.3833	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-19	0.00396	n/a	3/16/2021	0.0017J	No	15	0.3916	13.33	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-20	0.005	n/a	3/16/2021	0.002ND	No	15	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.0044	n/a	3/17/2021	0.002ND	No	14	n/a	85.71	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
<b>Chromium (mg/L)</b>	<b>GWC-23</b>	<b>0.0025</b>	<b>n/a</b>	<b>3/17/2021</b>	<b>0.0027</b>	<b>Yes</b>	<b>11</b>	<b>n/a</b>	<b>81.82</b>	<b>n/a</b>	<b>n/a</b>	<b>0.002806</b>	<b>NP Intra (NDs) 1 of 3</b>
Chromium (mg/L)	GWC-4A[*GWB-4A]	0.0096	n/a	3/17/2021	0.002ND	No	37	n/a	67.57	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5[*GWB-5]	0.0054	n/a	3/17/2021	0.002ND	No	38	n/a	65.79	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-9	0.0043	n/a	3/17/2021	0.002ND	No	36	n/a	63.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-13	0.002313	n/a	3/16/2021	0.0005J	No	16	0.009318	12.5	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-14	0.0025	n/a	3/16/2021	0.00035J	No	16	n/a	43.75	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWA-16[*GWB-16]	0.001798	n/a	3/16/2021	0.00047J	No	16	0.5015	6.25	None	ln(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-2	0.01	n/a	3/16/2021	0.0013J	No	37	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0025	n/a	3/16/2021	0.00033J	No	36	n/a	88.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-1	0.0025	n/a	3/16/2021	0.0017J	No	37	n/a	51.35	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.0025	n/a	3/16/2021	0.0025ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.0071	n/a	3/17/2021	0.00016J	No	37	n/a	81.08	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.012	n/a	3/16/2021	0.00058J	No	37	n/a	54.05	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	3/17/2021	0.0004J	No	16	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-17	0.002397	n/a	3/16/2021	0.00027J	No	16	0.0006723	12.5	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-18	0.0025	n/a	3/17/2021	0.0025ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.0025	n/a	3/16/2021	0.0025ND	No	16	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-20	0.007687	n/a	3/16/2021	0.0009J	No	16	0.00223	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-21	0.002328	n/a	3/17/2021	0.00092J	No	15	0.0003563	6.667	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-23	0.01056	n/a	3/17/2021	0.0035	No	11	0.001944	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-4A[*GWB-4A]	0.013	n/a	3/17/2021	0.0014J	No	37	n/a	59.46	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5[*GWB-5]	0.011	n/a	3/17/2021	0.00083J	No	39	n/a	51.28	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.0055	n/a	3/17/2021	0.00092J	No	37	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-13	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-14	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-16[*GWB-16]	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-2	0.003	n/a	3/16/2021	0.002ND	No	31	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0034	n/a	3/16/2021	0.002ND	No	30	n/a	90	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-1	0.002	n/a	3/16/2021	0.002ND	No	30	n/a	100	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.0027	n/a	3/17/2021	0.0019J	No	31	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.002	n/a	3/16/2021	0.002ND	No	31	n/a	100	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15[*GWB-15]	0.002	n/a	3/17/2021	0.002ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.0021	n/a	3/16/2021	0.002ND	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-18	0.002	n/a	3/17/2021	0.001J	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-19	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.002	n/a	3/16/2021	0.002ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-21	0.002	n/a	3/17/2021	0.002ND	No	9	n/a	77.78	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	n/a	3/17/2021	0.002ND	No	5	n/a	80	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	3/17/2021	0.0012J	No	31	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5[*GWB-5]	0.0021	n/a	3/17/2021	0.002ND	No	31	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0021	n/a	3/17/2021	0.002ND	No	31	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-13	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-14	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-16[*GWB-16]	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.001	n/a	3/17/2021	0.00031J	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.001	n/a	3/17/2021	0.00015J	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-21	0.001	n/a	3/17/2021	0.001ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-23	0.001	n/a	3/17/2021	0.001ND	No	11	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	3/17/2021	0.001ND	No	37	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5[*GWB-5]	0.001	n/a	3/17/2021	0.001ND	No	39	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-13	0.001	n/a	3/16/2021	0.001ND	No	10	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-14	0.0025	n/a	3/16/2021	0.00045J	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-16[*GWB-16]	0.001	n/a	3/16/2021	0.00043J	No	10	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-2	0.0043	n/a	3/16/2021	0.00072J	No	31	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.001	n/a	3/16/2021	0.001ND	No	29	n/a	100	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-1	0.0025	n/a	3/16/2021	0.0012	No	30	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-10	0.0013	n/a	3/16/2021	0.00043J	No	31	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.0049	n/a	3/17/2021	0.00077J	No	31	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.0057	n/a	3/16/2021	0.00093J	No	31	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-15[*GWB-15]	0.001	n/a	3/17/2021	0.00047J	No	10	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-17	0.004116	n/a	3/16/2021	0.0015	No	10	0.0006773	10	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-18	0.0021	n/a	3/17/2021	0.0011	No	10	0.0001857	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-19	0.002889	n/a	3/16/2021	0.0012	No	10	0.0004447	0	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-20	0.006567	n/a	3/16/2021	0.00093J	No	10	0.001337	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-21	0.0025	n/a	3/17/2021	0.00068J	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-23	0.004782	n/a	3/17/2021	0.0014	No	5	0.0006403	20	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-4A[*GWB-4A]	0.0072	n/a	3/17/2021	0.00083J	No	31	n/a	74.19	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5[*GWB-5]	0.0031	n/a	3/17/2021	0.00041J	No	31	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.0033	n/a	3/17/2021	0.0006J	No	31	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-13	0.005	n/a	3/16/2021	0.005ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-16[*GWB-16]	0.005	n/a	3/16/2021	0.005ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-2	0.005	n/a	3/16/2021	0.005ND	No	37	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-3	0.005	n/a	3/16/2021	0.005ND	No	37	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-1	0.005	n/a	3/16/2021	0.005ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-10	0.005	n/a	3/16/2021	0.005ND	No	37	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.005	n/a	3/17/2021	0.005ND	No	37	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-15[*GWB-15]	0.005	n/a	3/17/2021	0.005ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-18	0.005	n/a	3/17/2021	0.005ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-19	0.005	n/a	3/16/2021	0.005ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-20	0.005	n/a	3/16/2021	0.005ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-21	0.005	n/a	3/17/2021	0.005ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-4A[*GWB-4A]	0.005	n/a	3/17/2021	0.005ND	No	37	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5[*GWB-5]	0.005	n/a	3/17/2021	0.005ND	No	38	n/a	97.37	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.0058	n/a	3/17/2021	0.005ND	No	37	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.001	n/a	3/17/2021	0.001ND	No	31	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-13	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-14	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-16[*GWB-16]	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-2	0.001	n/a	3/16/2021	0.001ND	No	35	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-3	0.001	n/a	3/16/2021	0.001ND	No	35	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-10	0.001	n/a	3/16/2021	0.00037J	No	35	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-11	0.001	n/a	3/17/2021	0.00047J	No	35	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-12	0.001	n/a	3/16/2021	0.00022J	No	35	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-17	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-18	0.001	n/a	3/17/2021	0.00016J	No	16	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Thallium (mg/L)	GWC-19	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-20	0.001	n/a	3/16/2021	0.001ND	No	16	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-21	0.001	n/a	3/17/2021	0.001ND	No	16	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-23	0.001	n/a	3/17/2021	0.001ND	No	11	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	3/17/2021	0.001ND	No	35	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5[*GWB-5]	0.001	n/a	3/17/2021	0.001ND	No	37	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.001	n/a	3/17/2021	0.001ND	No	35	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-13	0.0018	n/a	3/16/2021	0.001ND	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-14	0.001	n/a	3/16/2021	0.001ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-16[*GWB-16]	0.0015	n/a	3/16/2021	0.001ND	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-2	0.0051	n/a	3/16/2021	0.001ND	No	31	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.005	n/a	3/16/2021	0.001ND	No	30	n/a	83.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-1	0.0032	n/a	3/16/2021	0.001ND	No	30	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.0087	n/a	3/16/2021	0.0013	No	31	n/a	80.65	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	3/17/2021	0.0015	No	30	n/a	73.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.0075	n/a	3/16/2021	0.001ND	No	31	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15[*GWB-15]	0.0017	n/a	3/17/2021	0.001ND	No	10	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-17	0.001	n/a	3/16/2021	0.001ND	No	10	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-18	0.005391	n/a	3/17/2021	0.0026	No	10	0.001152	0	None	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-19	0.006157	n/a	3/16/2021	0.001ND	No	10	0.02849	20	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-20	0.0074	n/a	3/16/2021	0.001ND	No	10	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-21	0.0058	n/a	3/17/2021	0.001ND	No	10	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-23	0.006305	n/a	3/17/2021	0.001ND	No	5	0.001071	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3

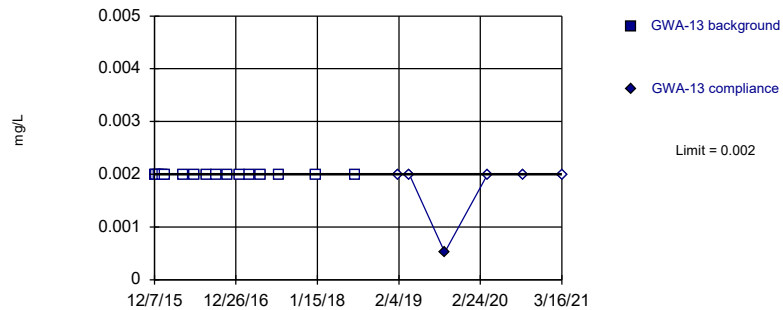
# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 3:44 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-4A[*GWB-4A]	0.0033	n/a	3/17/2021	0.001ND	No	31	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5[*GWB-5]	0.0035	n/a	3/17/2021	0.001ND	No	31	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0091	n/a	3/17/2021	0.001ND	No	31	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-13	0.00446	n/a	3/16/2021	0.005ND	No	10	0.0006491	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-14	0.01002	n/a	3/16/2021	0.007	No	10	0.437	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-16[*GWB-16]	0.005037	n/a	3/16/2021	0.005	No	10	0.000549	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	n/a	3/16/2021	0.0045J	No	31	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWA-3	0.045	n/a	3/16/2021	0.0035J	No	30	n/a	43.33	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-1	0.02	n/a	3/16/2021	0.0047J	No	30	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-10	0.019	n/a	3/16/2021	0.005ND	No	31	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.0089	n/a	3/17/2021	0.0032J	No	30	n/a	66.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005828	n/a	3/16/2021	0.005ND	No	31	0.01782	32.26	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-15[*GWB-15]	0.01135	n/a	3/17/2021	0.0063	No	10	0.4242	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-17	0.02	n/a	3/16/2021	0.006	No	10	n/a	30	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-18	0.01755	n/a	3/17/2021	0.0032J	No	10	0.7436	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-19	0.009538	n/a	3/16/2021	0.005ND	No	10	0.01719	40	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-20	0.008421	n/a	3/16/2021	0.005ND	No	10	0.001609	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-21	0.008437	n/a	3/17/2021	0.005ND	No	10	0.002548	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-23	0.02	n/a	3/17/2021	0.0033J	No	5	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-4A[*GWB-4A]	0.02	n/a	3/17/2021	0.0039J	No	30	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-5[*GWB-5]	0.017	n/a	3/17/2021	0.0041J	No	31	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-9	0.0077	n/a	3/17/2021	0.005ND	No	31	n/a	64.52	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

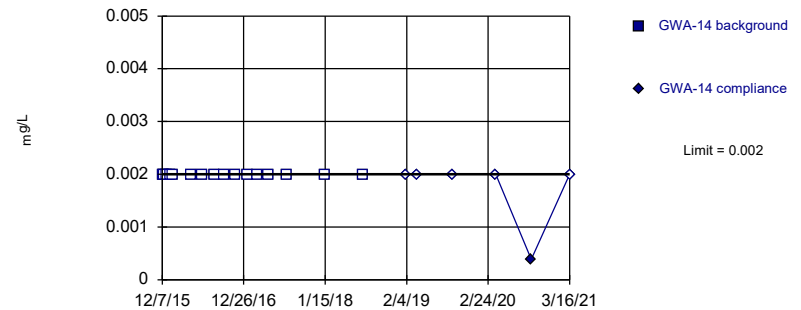


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

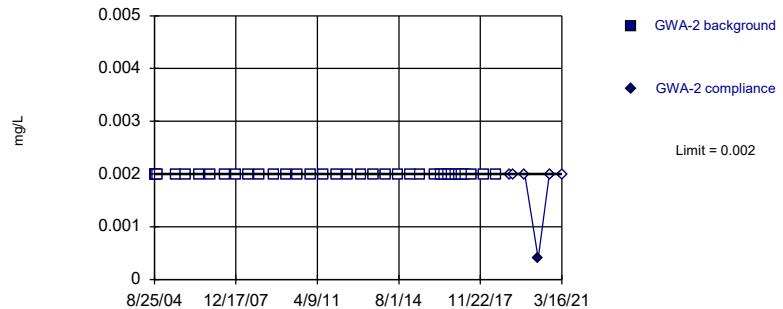


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

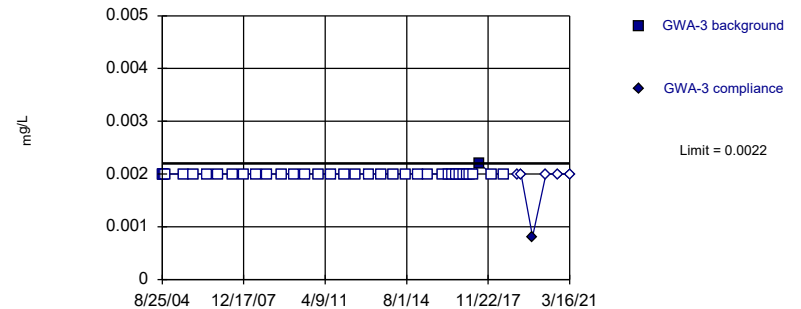


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Antimony Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric



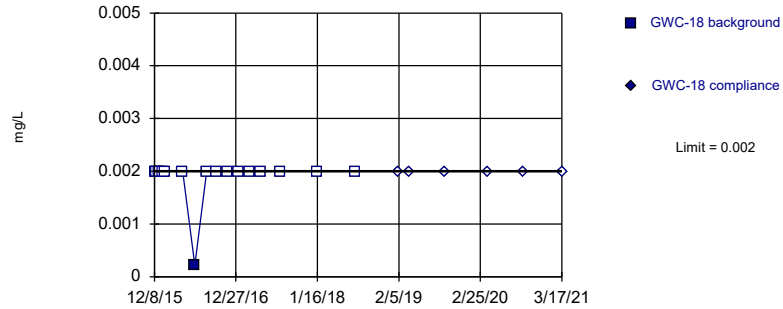
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Antimony Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

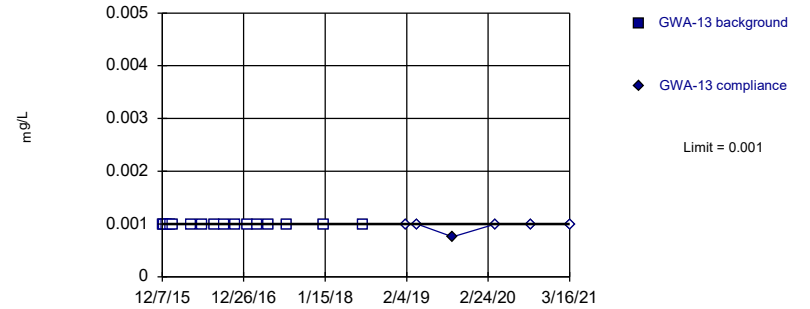


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

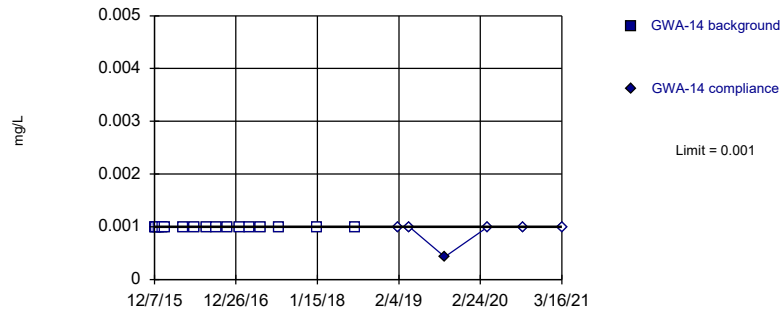


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

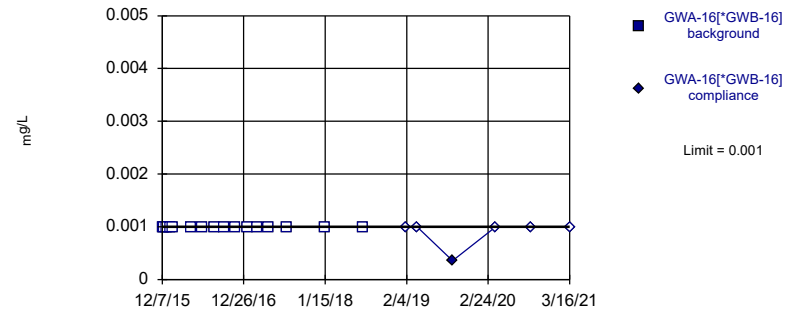


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

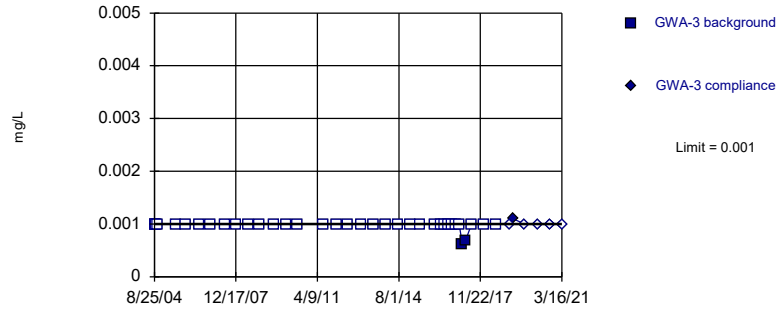


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

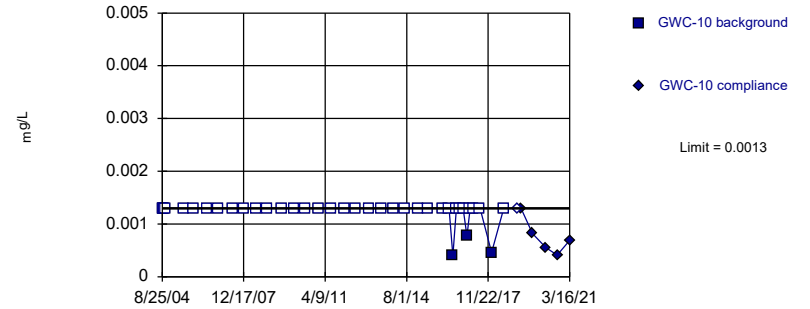


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

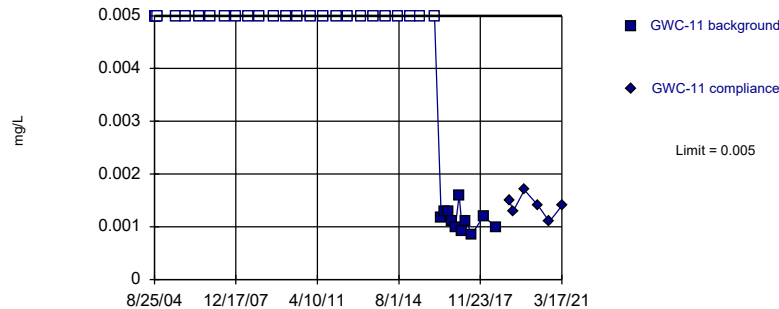


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

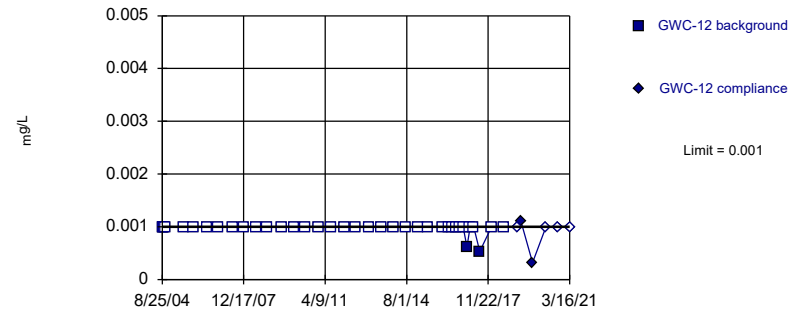


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 70.27% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

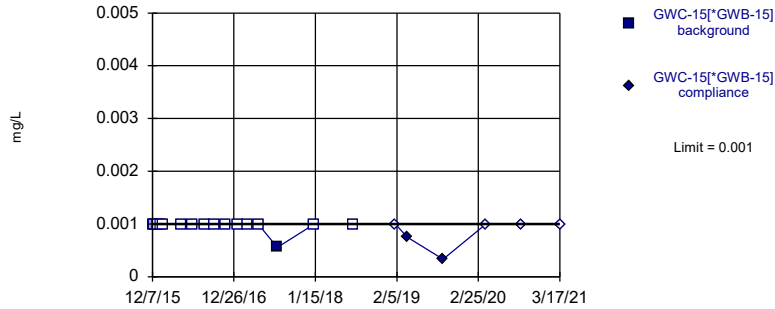


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

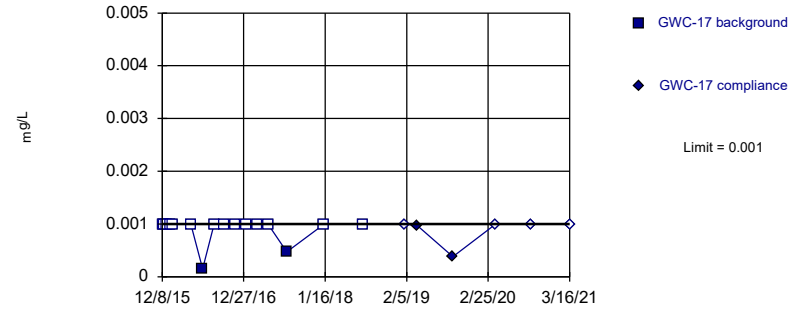


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

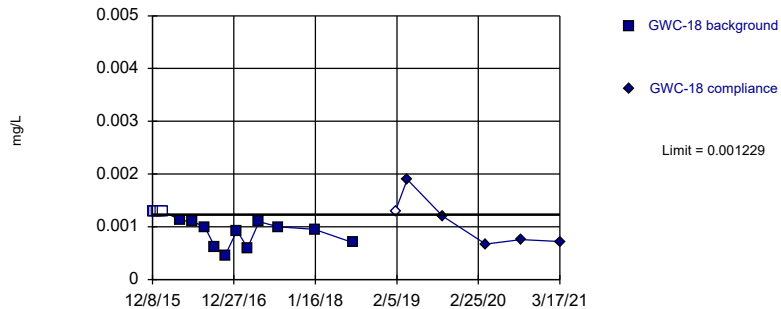


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

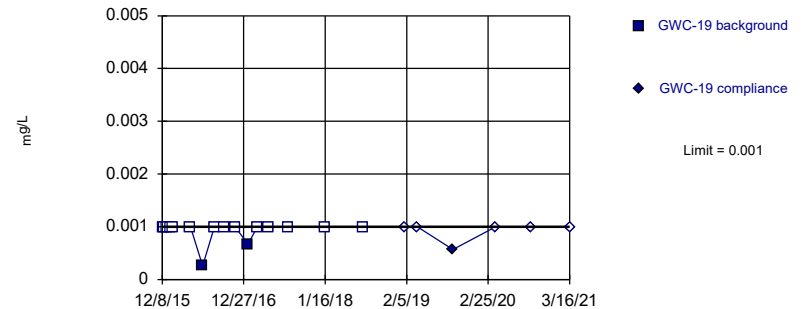


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0008124, Std. Dev.=0.0002231, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

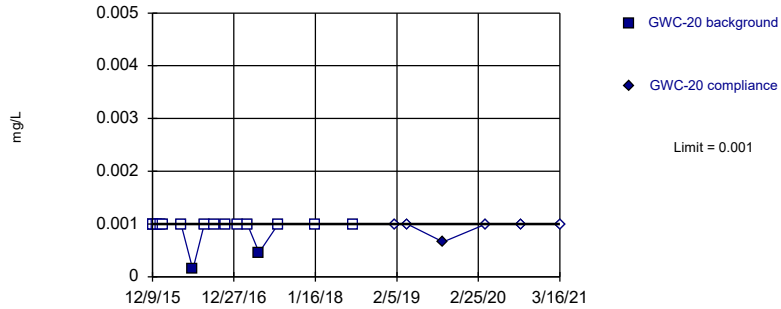


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

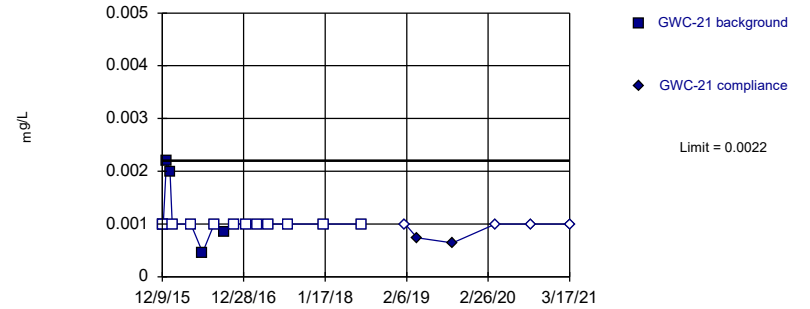


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

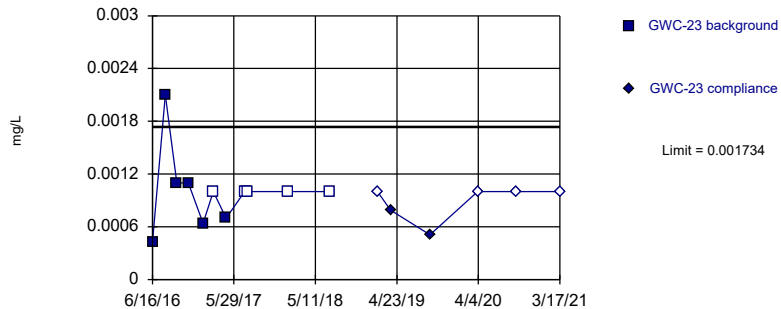


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

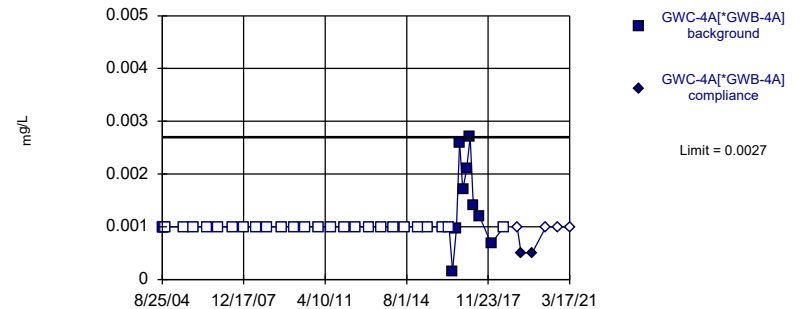


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.02695, Std. Dev.=0.006873, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8486, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

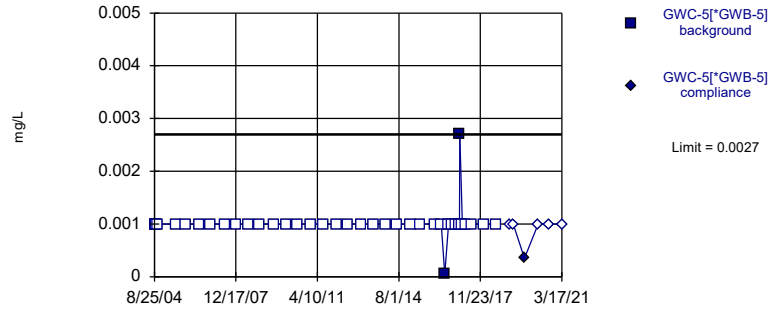


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

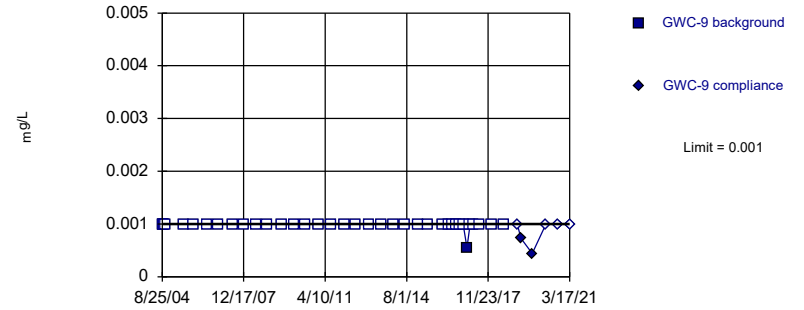


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 94.87% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

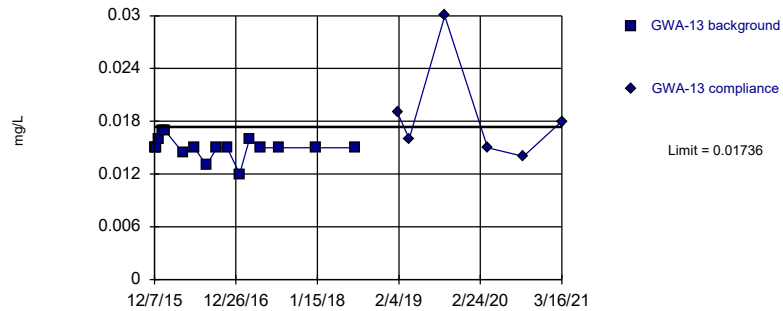


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 4/28/2021 3:25 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Exceeds Limit

Prediction Limit  
Intrawell Parametric

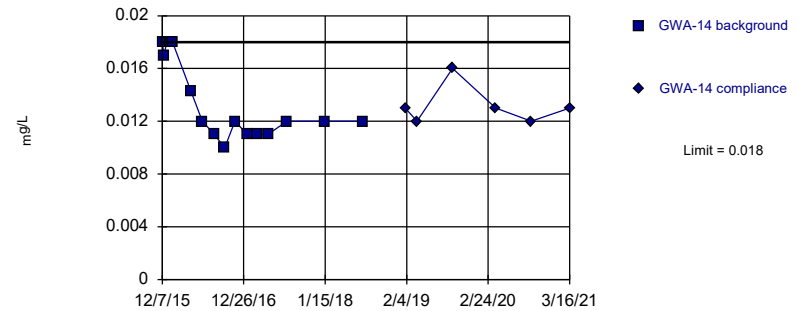


Background Data Summary: Mean=0.01503, Std. Dev.=0.001248, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8447, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Within Limit

Prediction Limit  
Intrawell Non-parametric

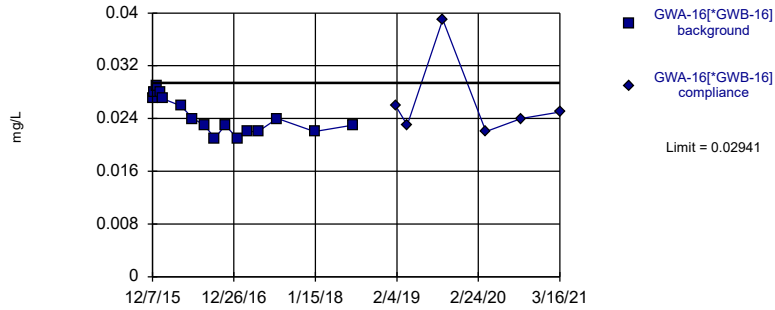


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

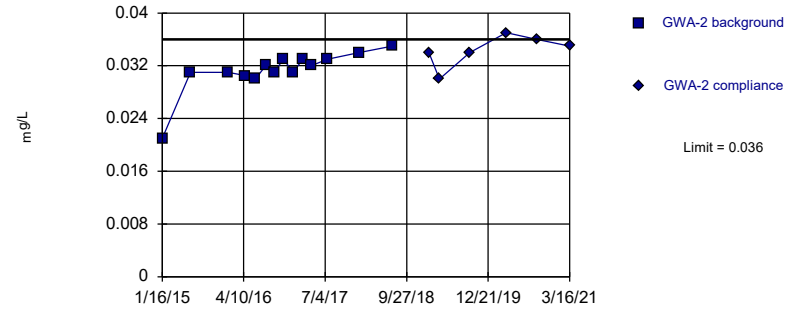


Background Data Summary: Mean=0.02437, Std. Dev.=0.002701, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8999, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

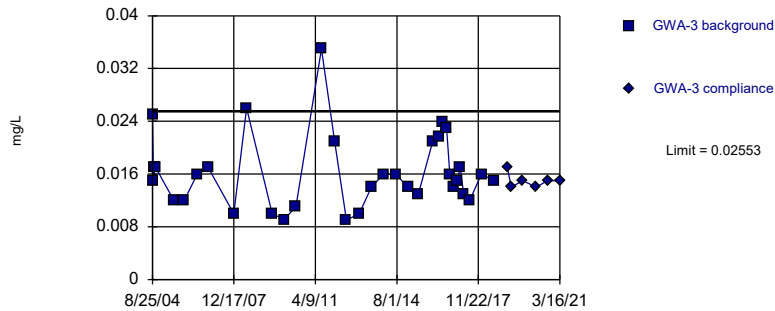


Background Data Summary (based on cube transformation): Mean=0.00003138, Std. Dev.=0.000007789, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8408, critical = 0.825. Kappa = 1.959 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

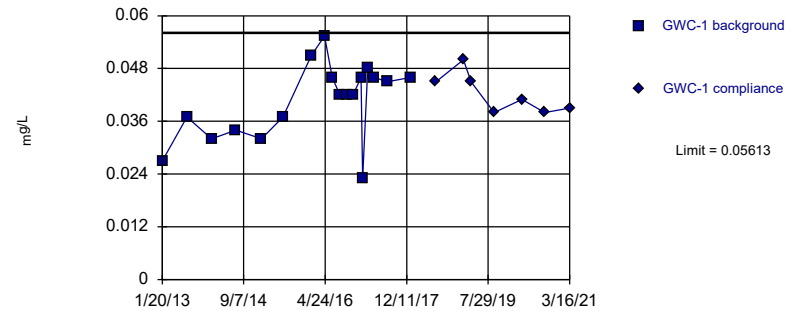


Background Data Summary (based on square root transformation): Mean=0.1258, Std. Dev.=0.02092, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.908. Kappa = 1.623 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

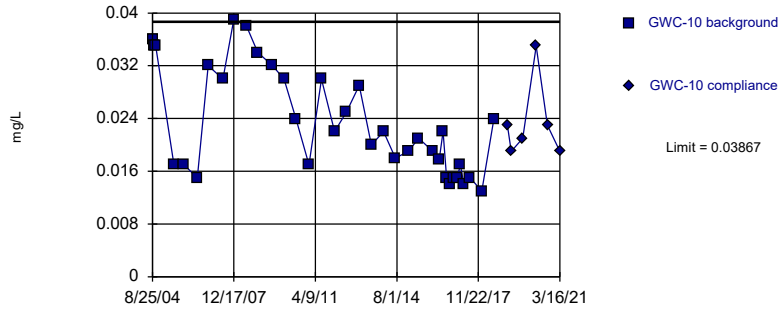


Background Data Summary: Mean=0.04063, Std. Dev.=0.008527, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.858. Kappa = 1.817 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

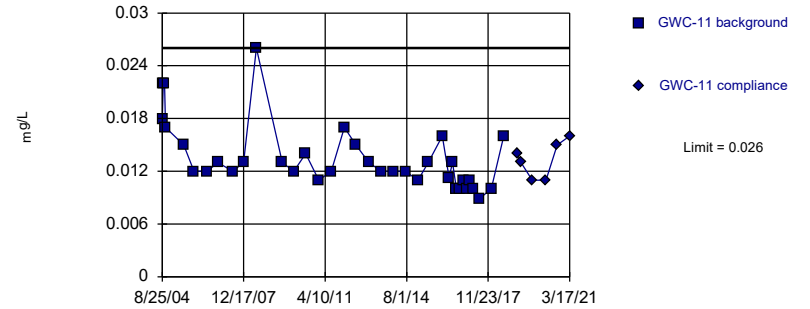


Background Data Summary (based on natural log transformation): Mean=-3.803, Std. Dev.=0.3426, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

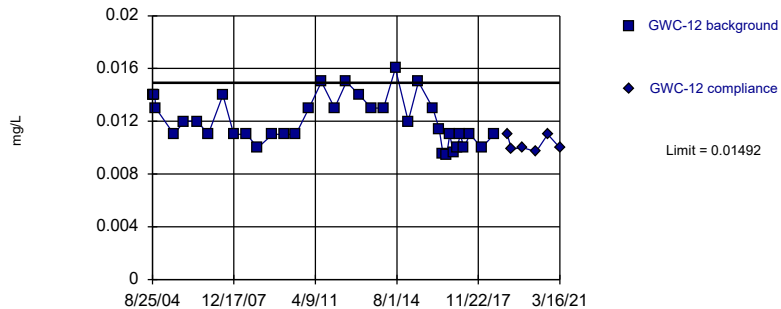


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

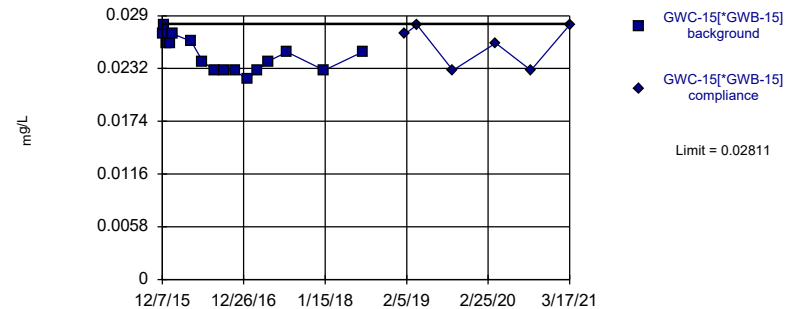


Background Data Summary: Mean=0.01205, Std. Dev.=0.001788, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9235, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

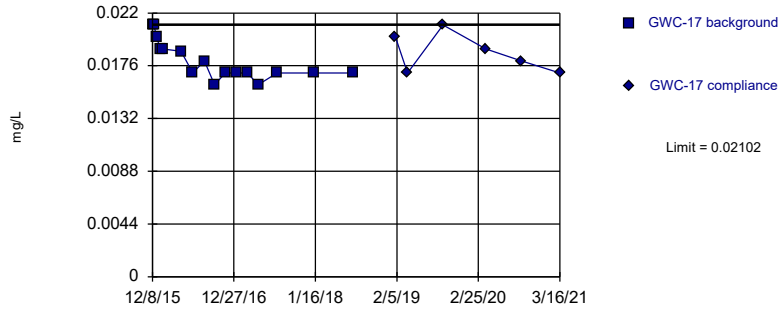


Background Data Summary: Mean=0.0247, Std. Dev.=0.001826, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9229, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

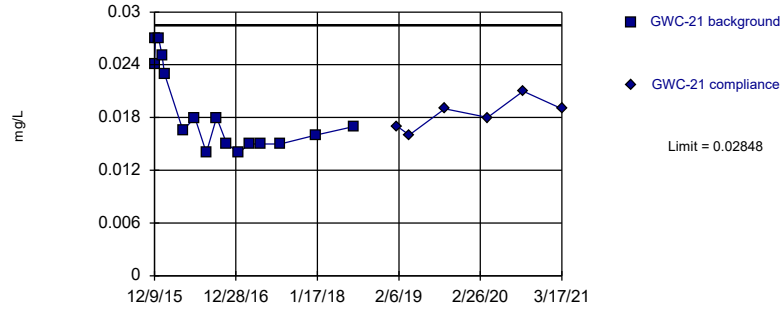
### Prediction Limit Intrawell Parametric





Within Limit

Prediction Limit  
Intrawell Parametric

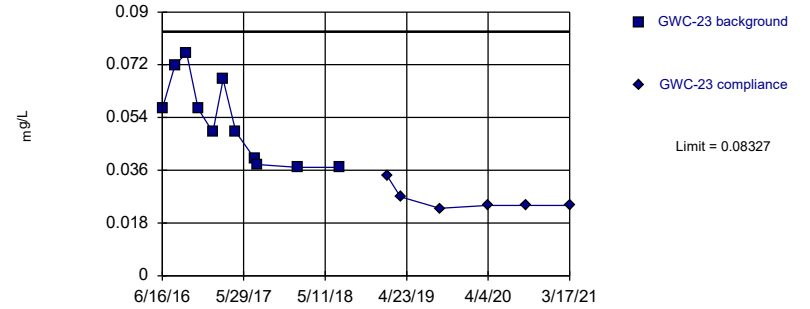


Background Data Summary (based on natural log transformation): Mean=-4.006, Std. Dev.=0.2397, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8501, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

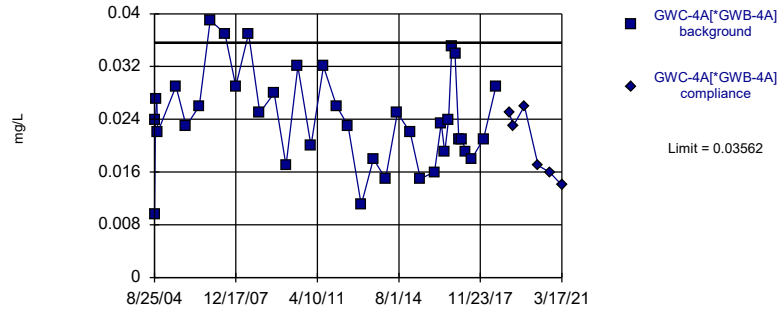


Background Data Summary: Mean=0.05264, Std. Dev.=0.01433, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8994, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

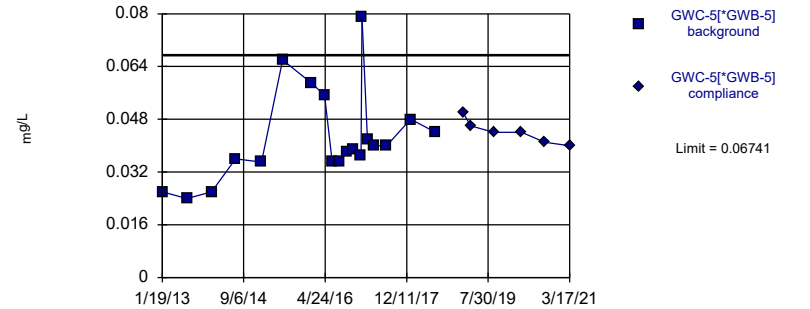


Background Data Summary: Mean=0.02411, Std. Dev.=0.007165, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9779, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

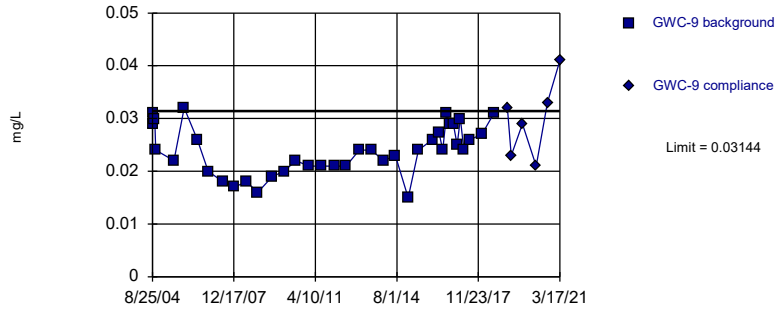


Background Data Summary: Mean=0.04233, Std. Dev.=0.014, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8921, critical = 0.863. Kappa = 1.792 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Exceeds Limit

### Prediction Limit Intrawell Parametric

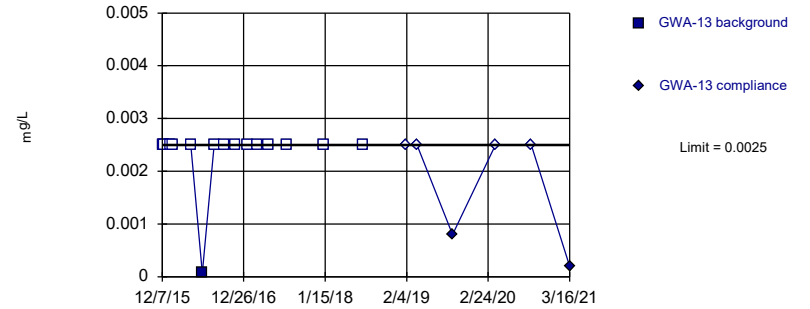


Background Data Summary: Mean=0.02404, Std. Dev.=0.004605, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9616, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

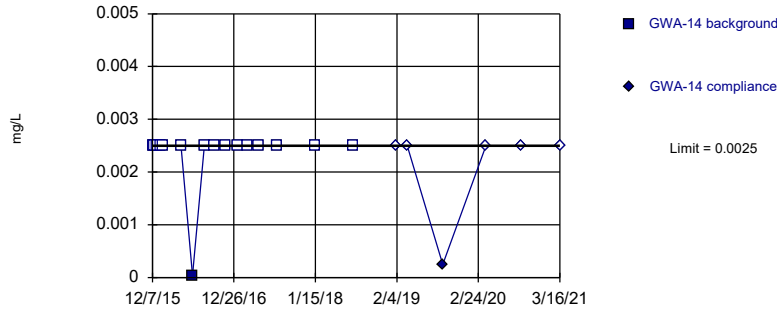


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

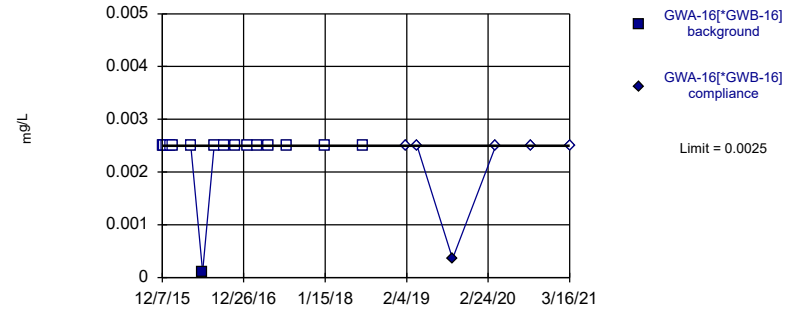


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

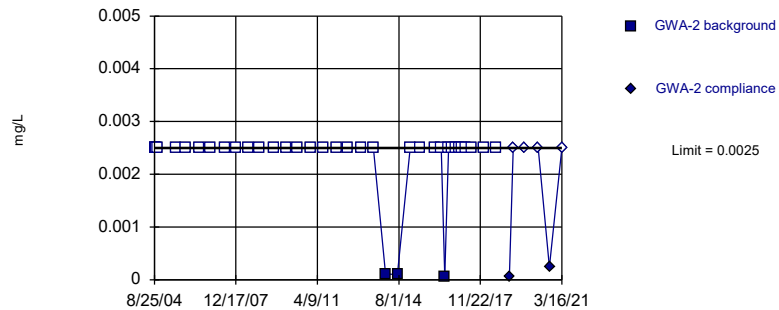


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

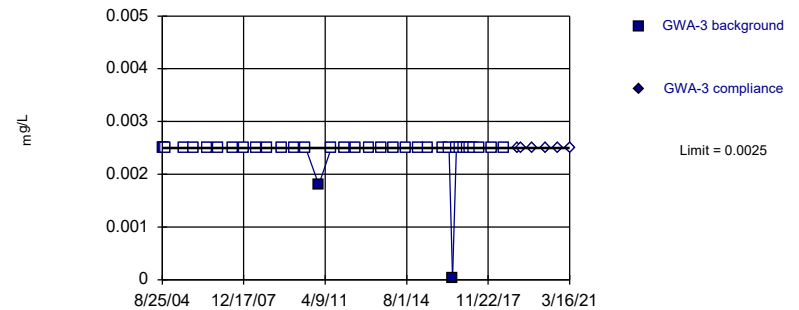


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

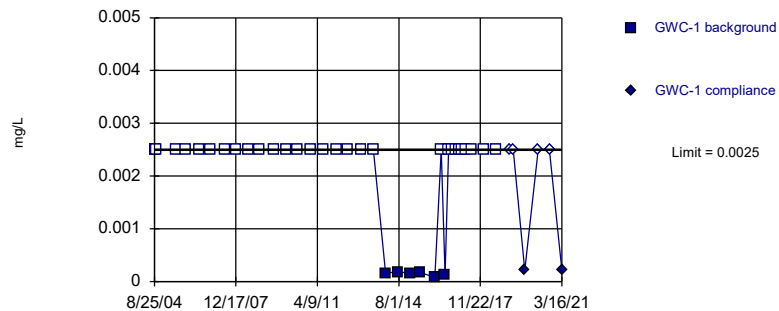


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

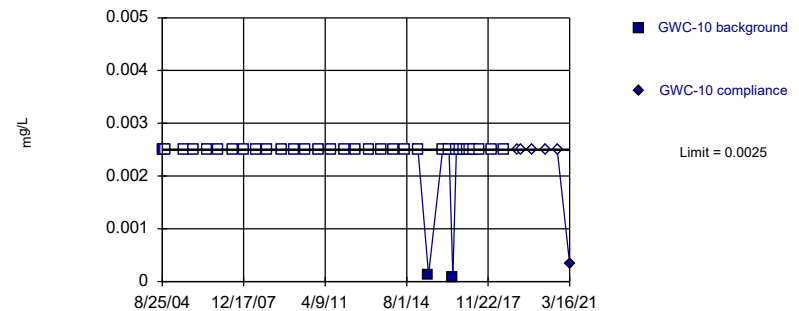


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

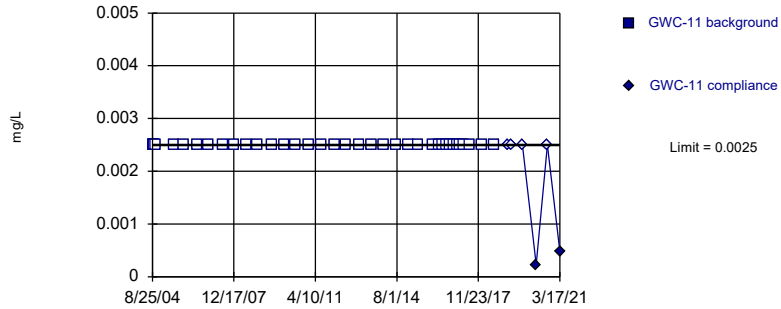


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

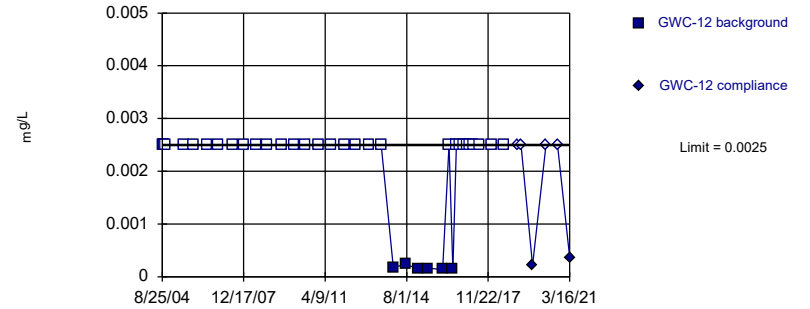


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

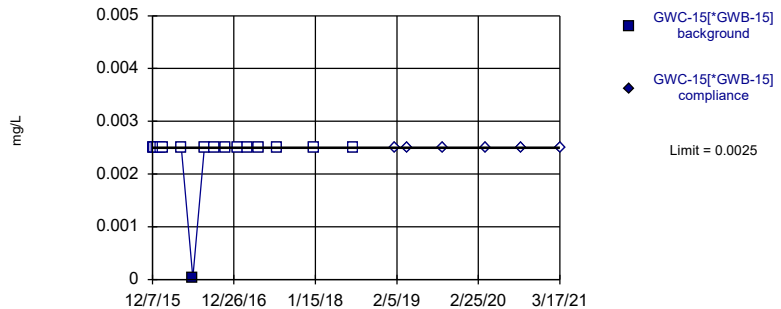


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

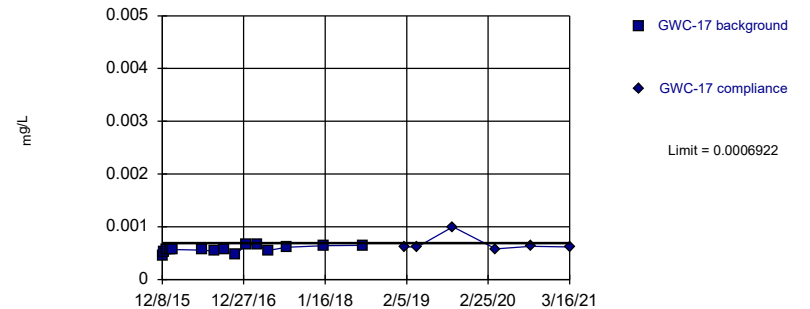


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Within Limit

Prediction Limit  
Intrawell Parametric

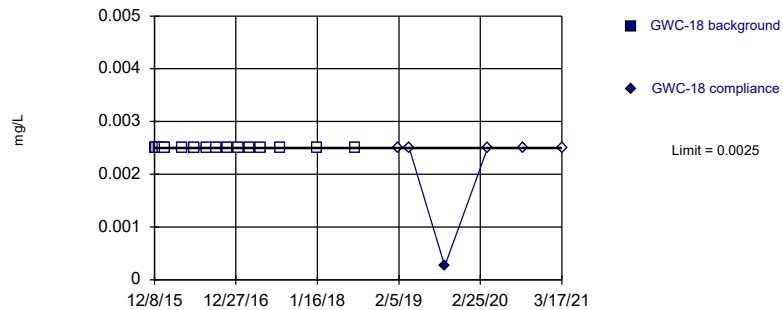


Background Data Summary: Mean=0.000572, Std. Dev.=0.00006281, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9284, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

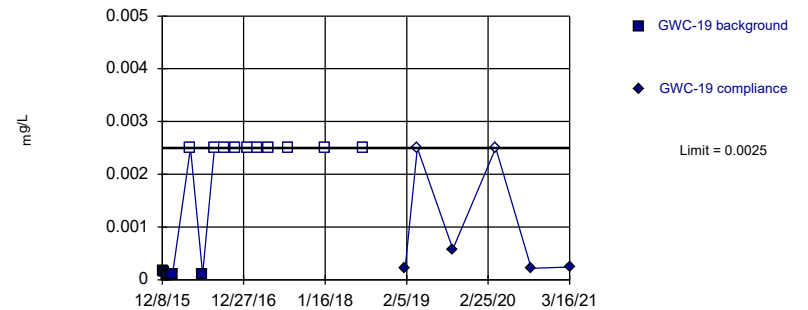


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

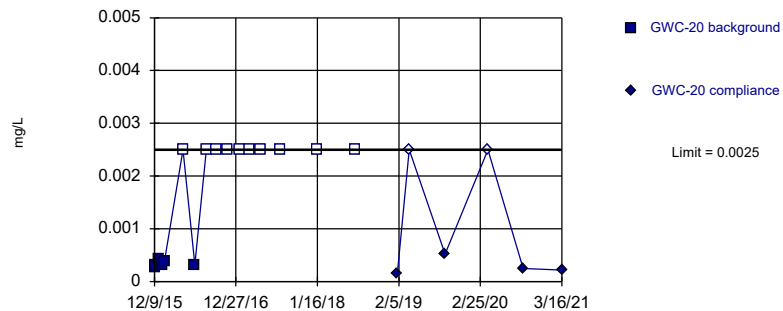


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

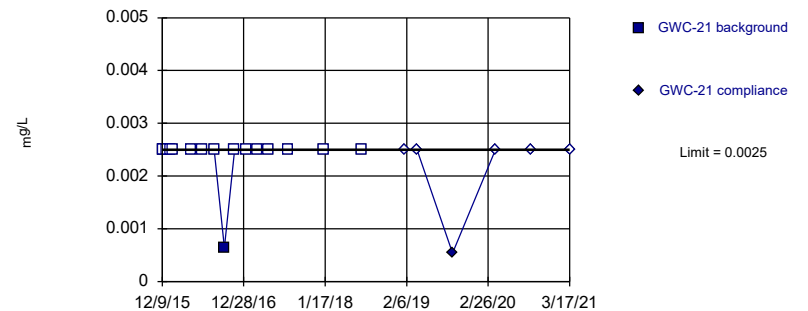


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

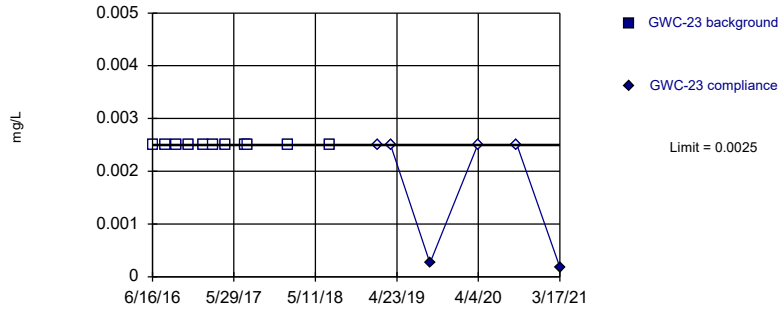


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

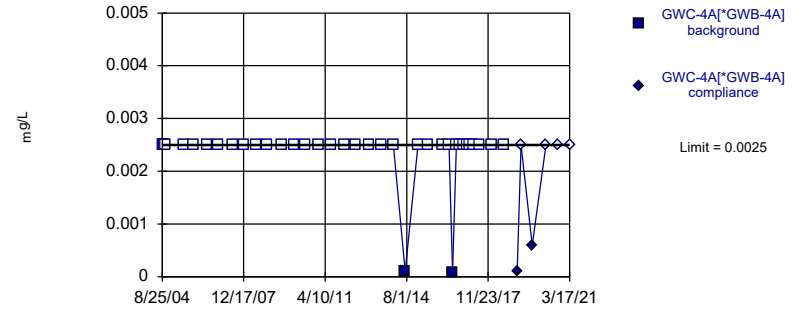


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

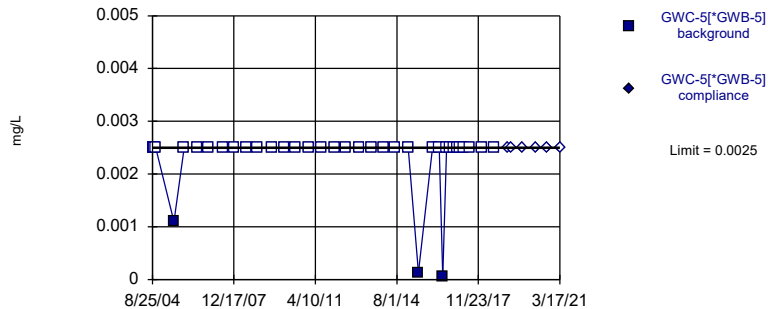


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

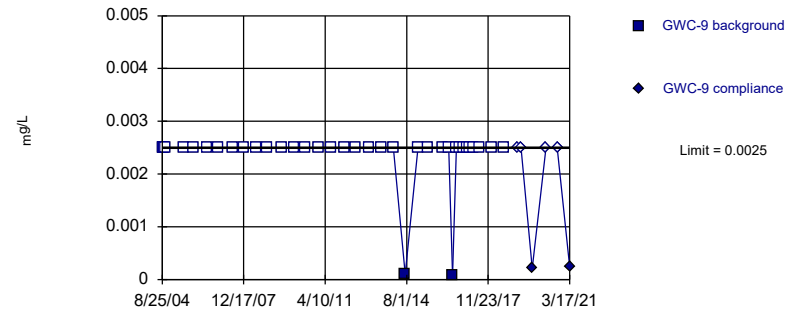


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

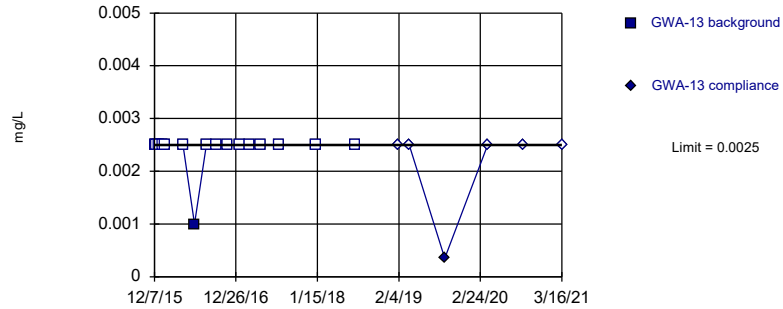


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 4/28/2021 3:26 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

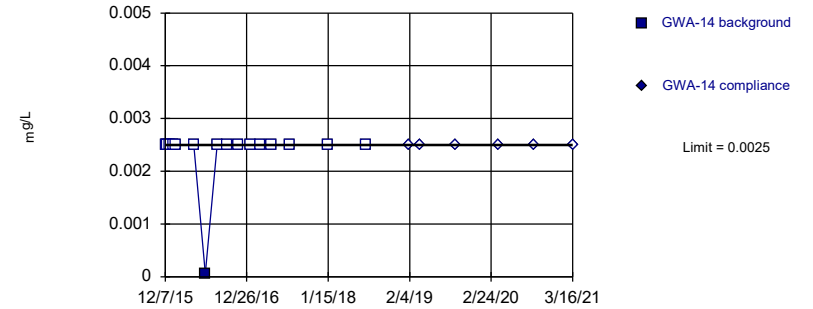


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

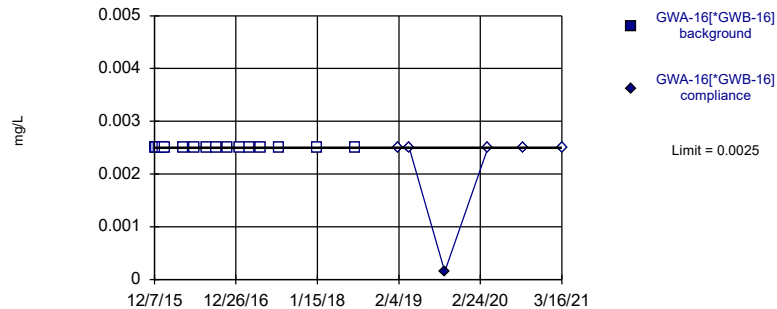


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

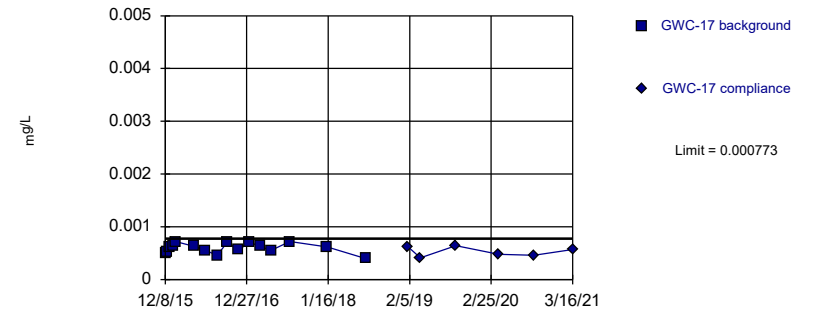


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Within Limit

Prediction Limit  
Intrawell Parametric

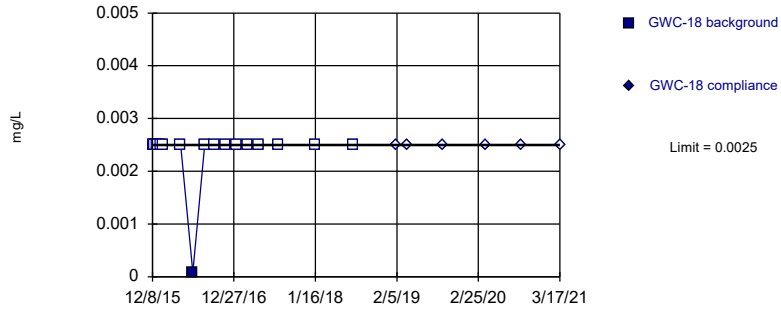


Background Data Summary: Mean=0.0005946, Std. Dev.=0.00009557, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9467, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

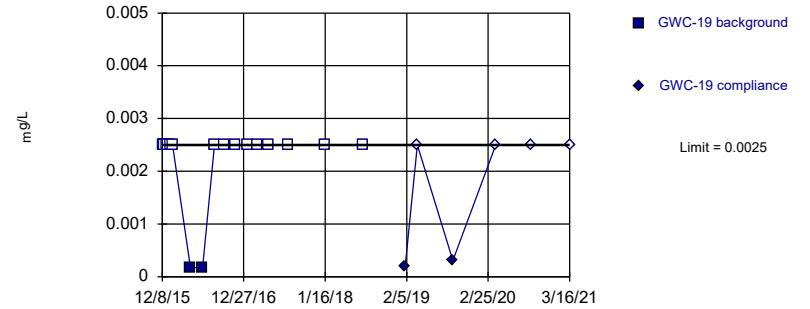


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

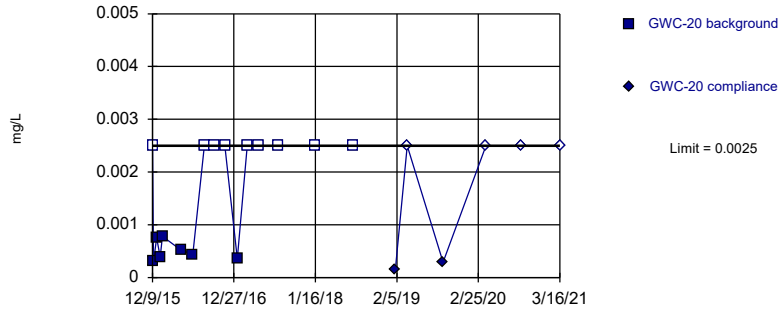


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

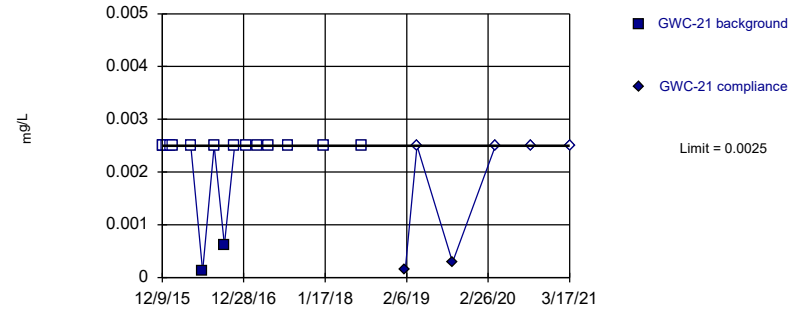


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric



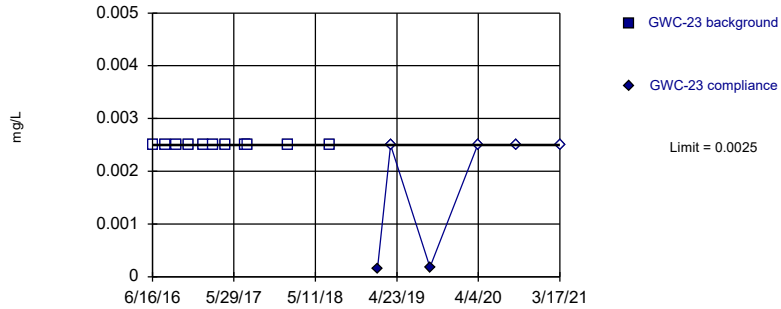
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

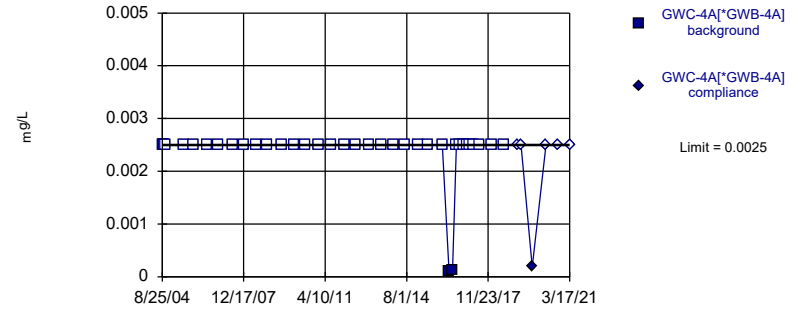


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

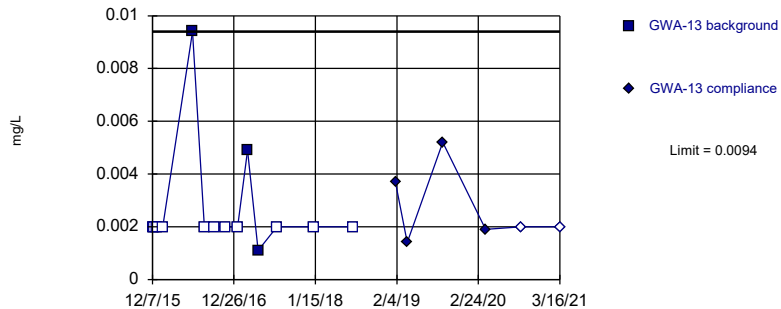


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cadmium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

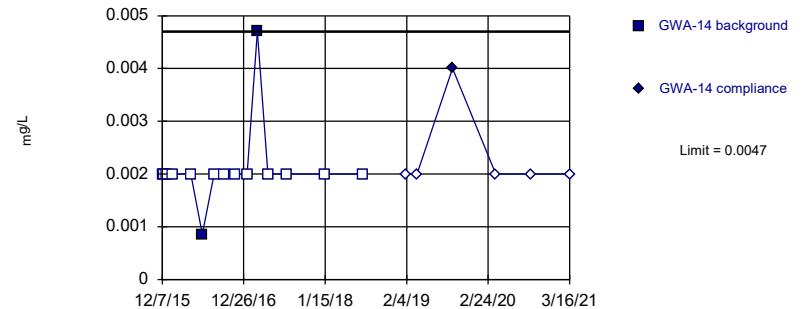


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

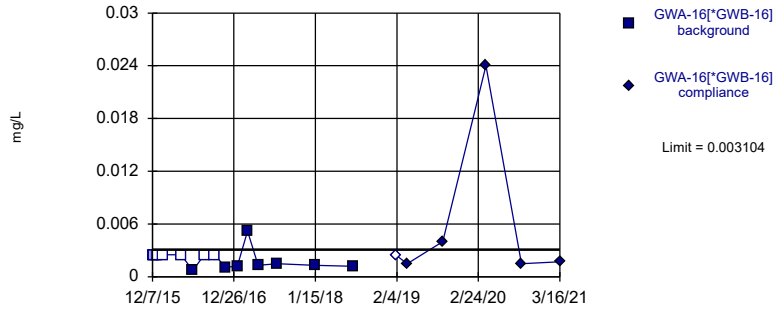


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:26 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

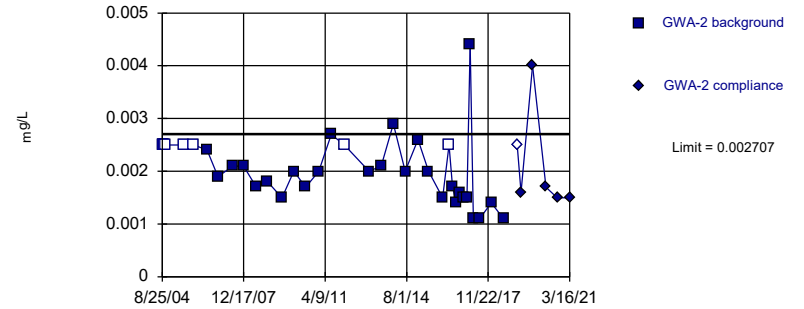


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03555, Std. Dev.=0.01054, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

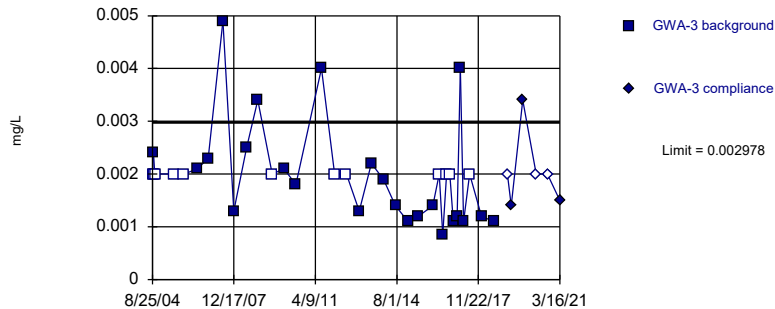


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03983, Std. Dev.=0.007574, n=36, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9394, critical = 0.912. Kappa = 1.611 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

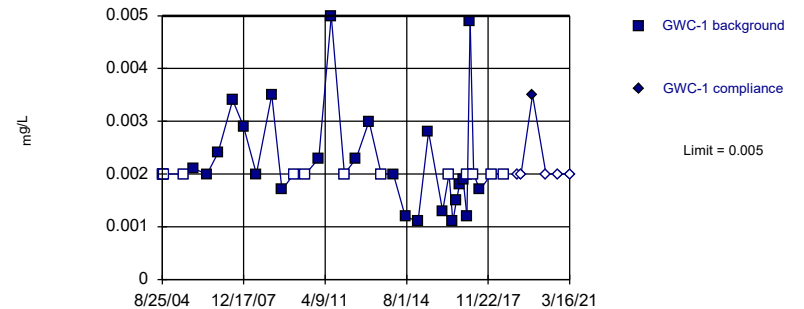


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.609, Std. Dev.=0.4922, n=36, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9209, critical = 0.912. Kappa = 1.611 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

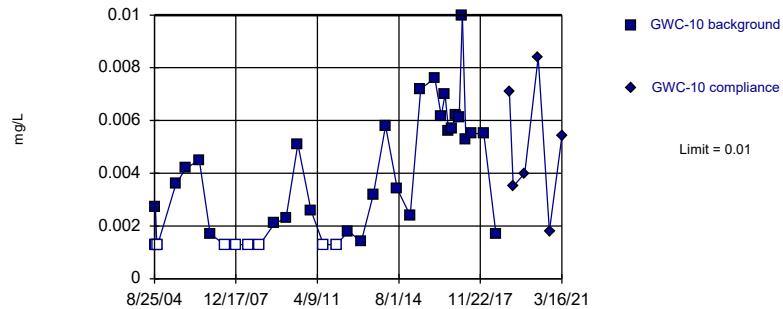


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 35.14% NDs. Well-constituted pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

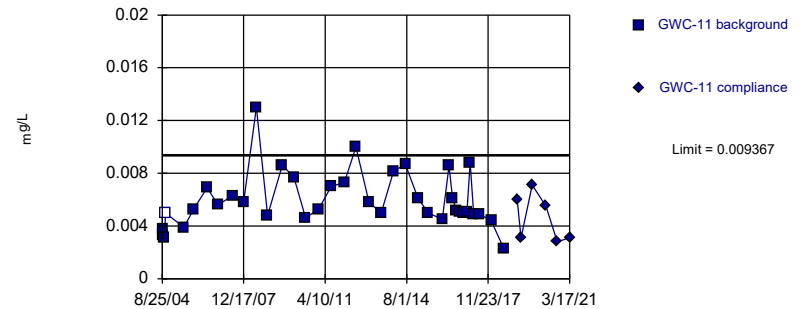


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 24.32% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

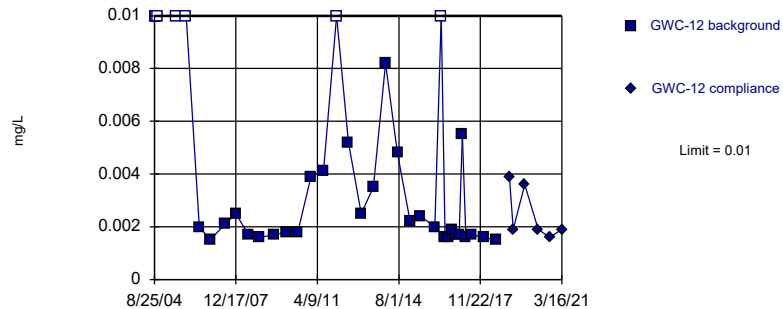


Background Data Summary: Mean=0.005969, Std. Dev.=0.002115, n=37, 2.703% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

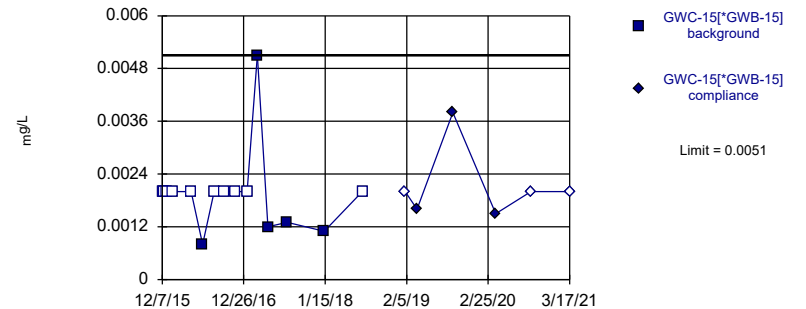


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 21.62% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

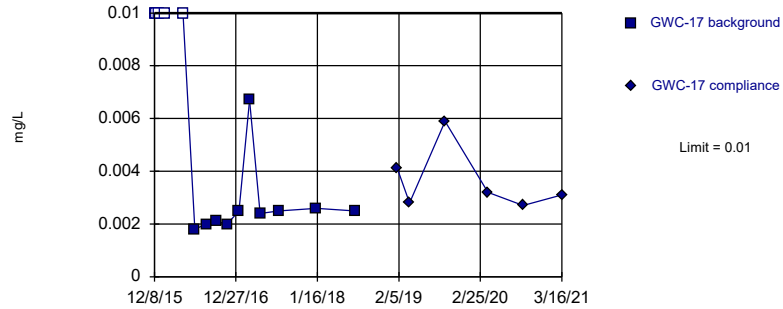


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

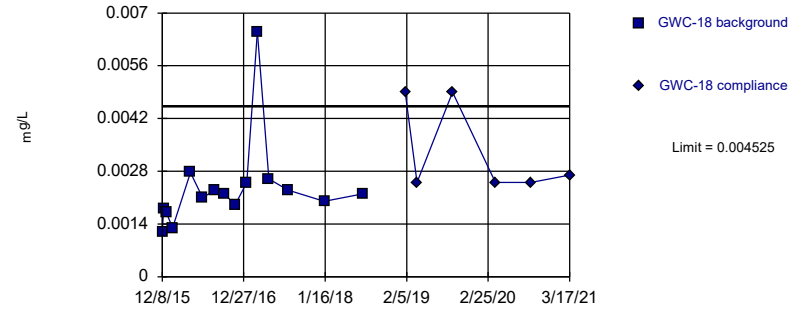


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Within Limit

Prediction Limit  
 Intrawell Parametric

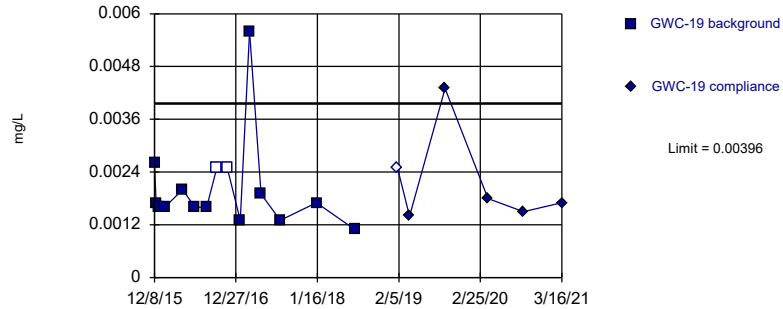


Background Data Summary (based on natural log transformation): Mean=-6.131, Std. Dev.=0.3833, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8577, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Parametric

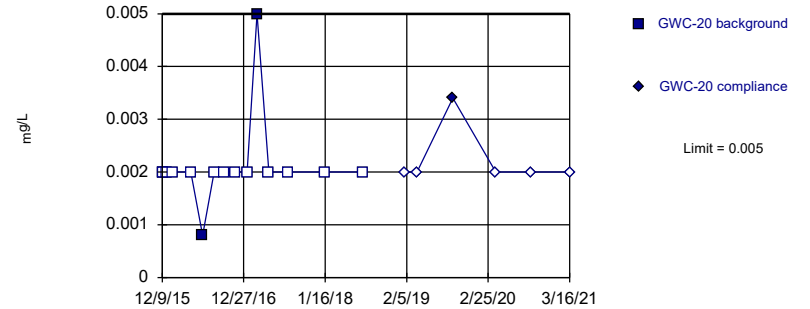


Background Data Summary (based on natural log transformation): Mean=-6.281, Std. Dev.=0.3916, n=15, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8645, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

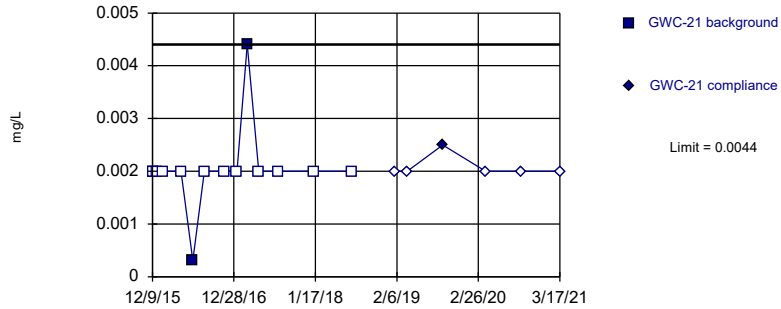


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

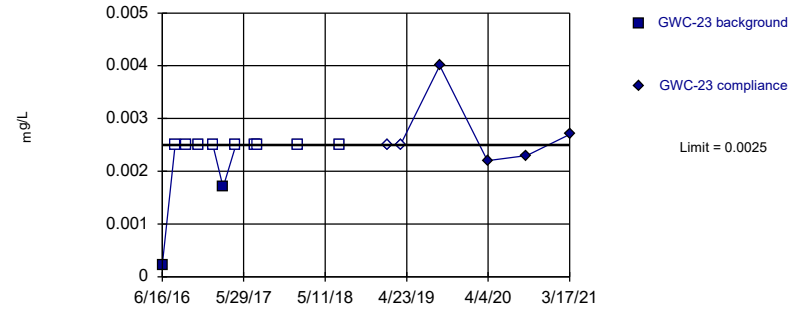


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

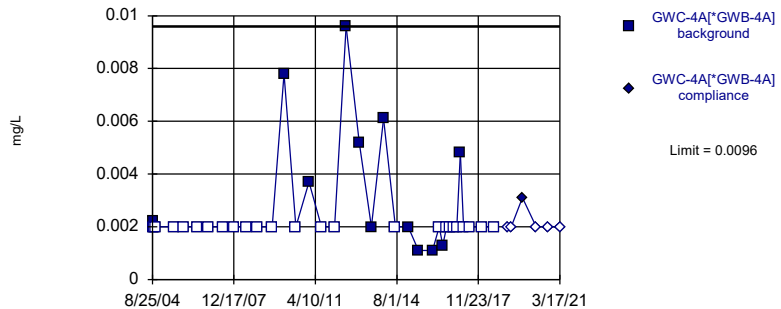


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

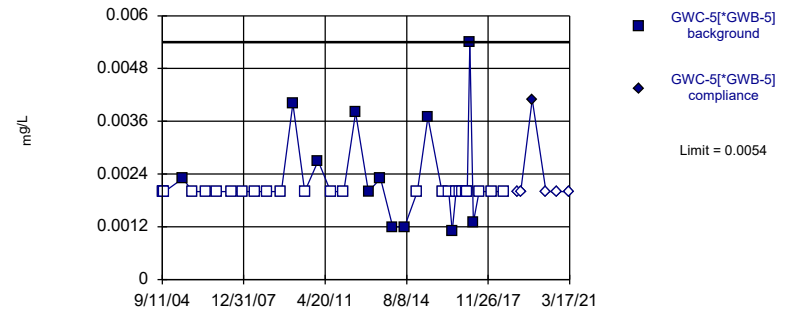


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 67.57% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

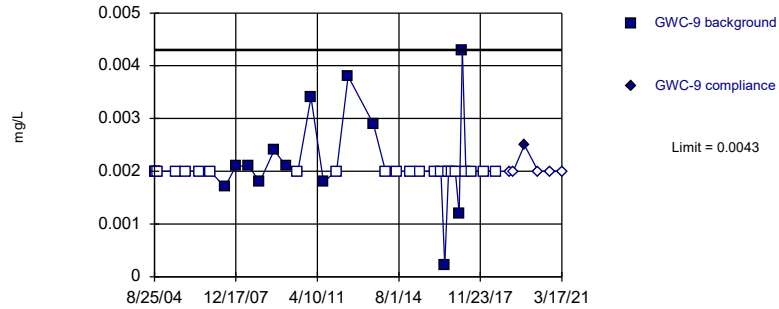


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 65.79% NDs. Well-constituent pair annual alpha = 0.000192. Individual comparison alpha = 0.00009598 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

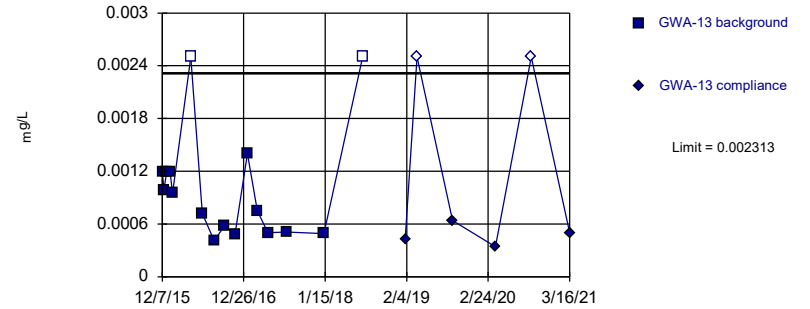


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 63.89% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Chromium Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

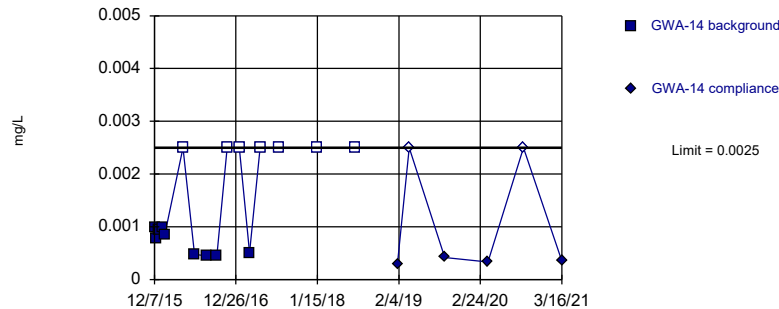


Background Data Summary (based on square root transformation): Mean=0.0307, Std. Dev.=0.009318, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8703, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

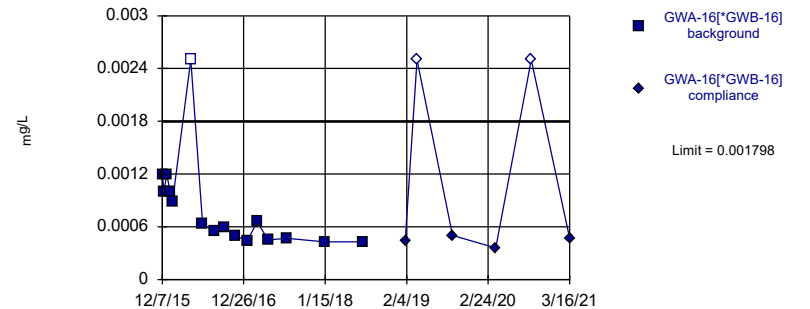


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

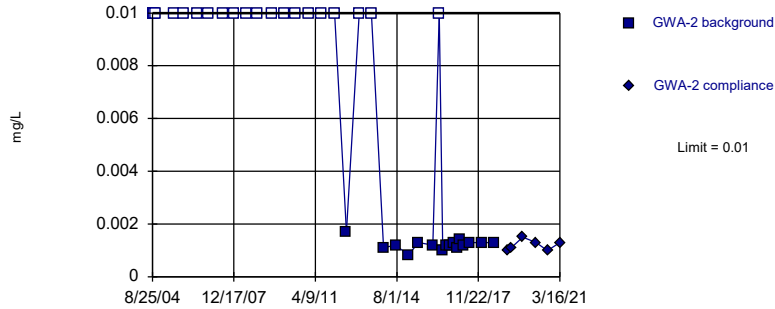


Background Data Summary (based on natural log transformation): Mean=-7.257, Std. Dev.=0.5015, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.873, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

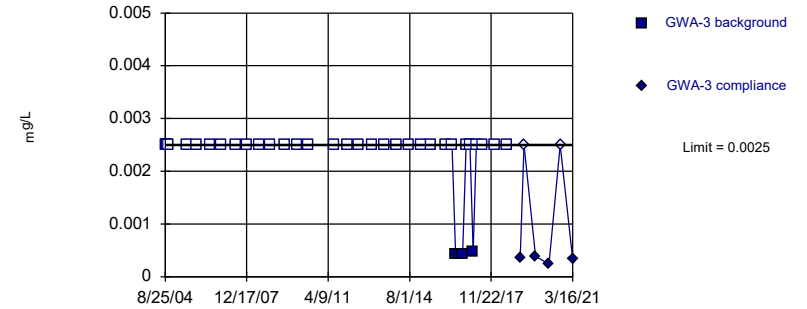


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 56.76% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

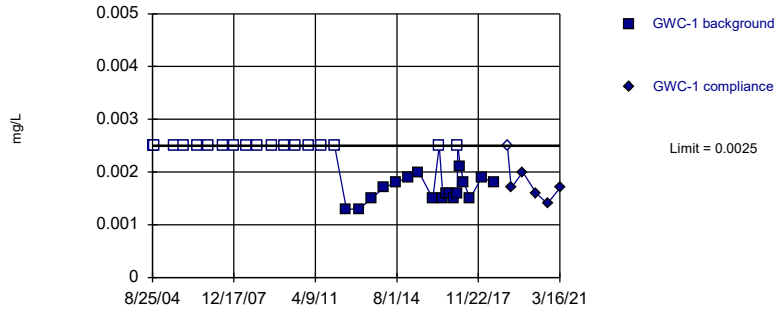


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.0001111 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

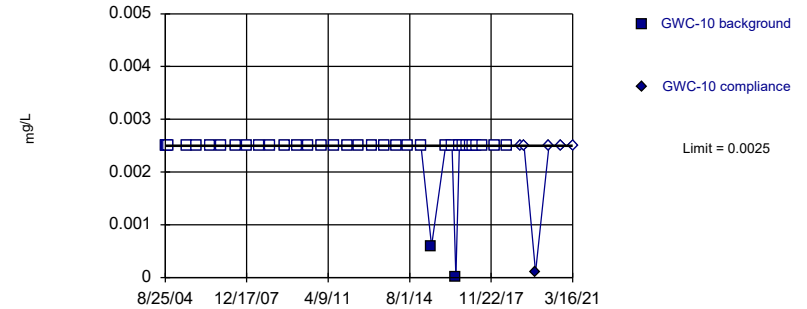


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 51.35% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

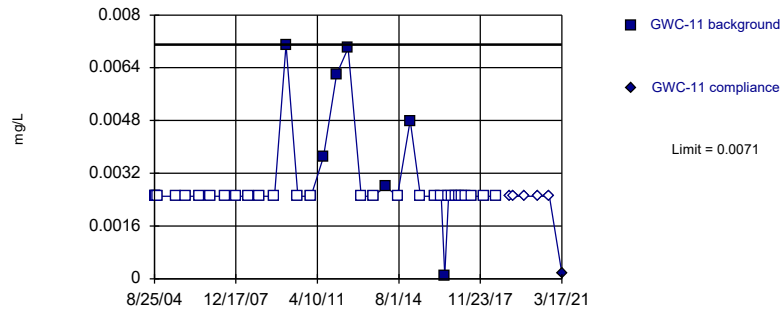


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

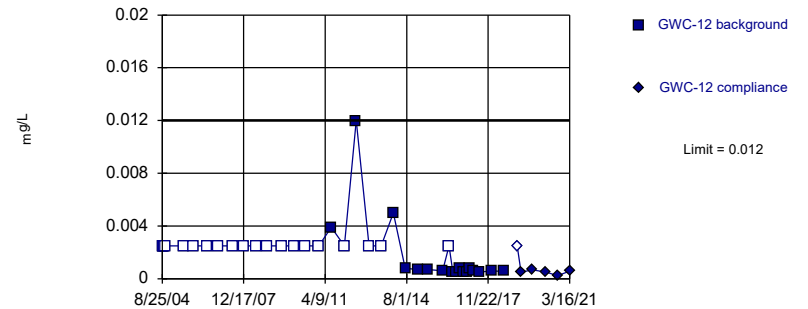


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 81.08% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

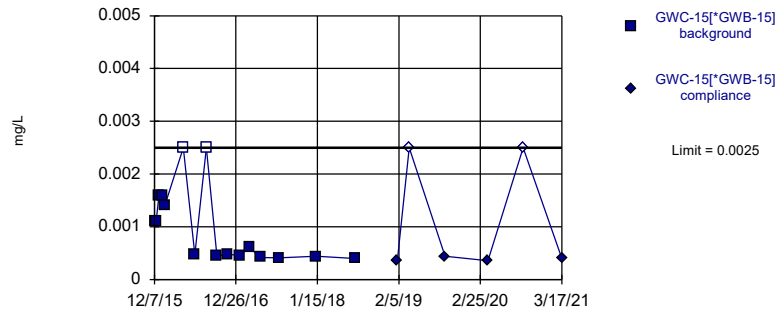


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 54.05% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

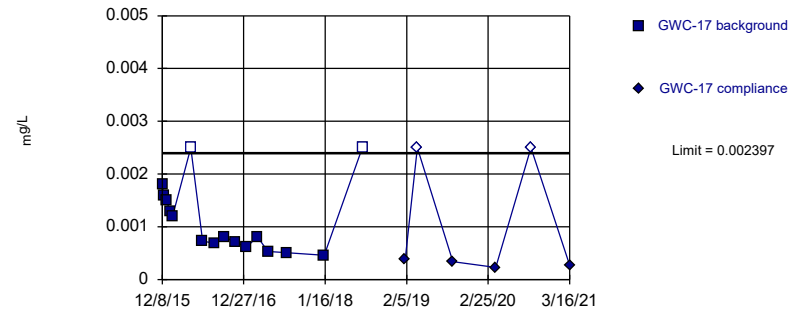


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric



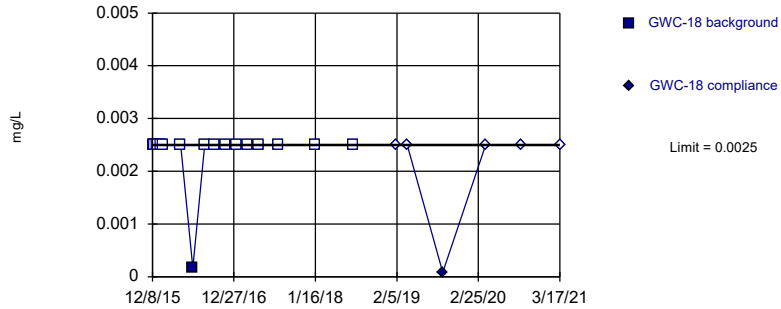
Background Data Summary: Mean=0.001142, Std. Dev.=0.0006723, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.85, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

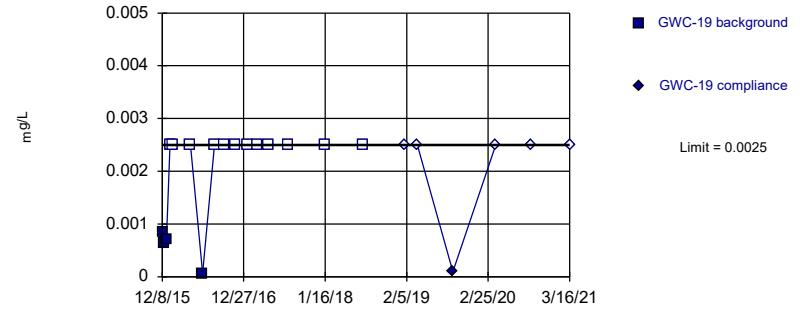


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

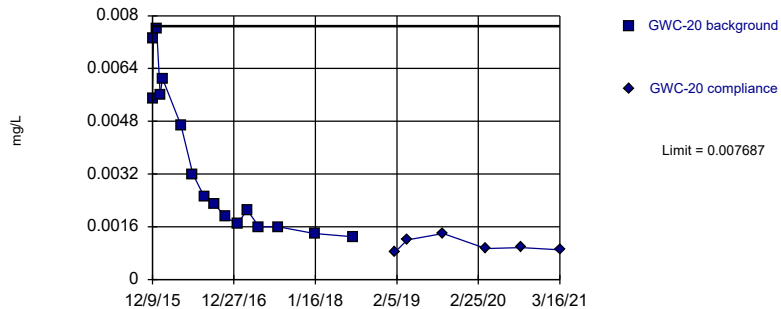


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Within Limit

Prediction Limit  
 Intrawell Parametric

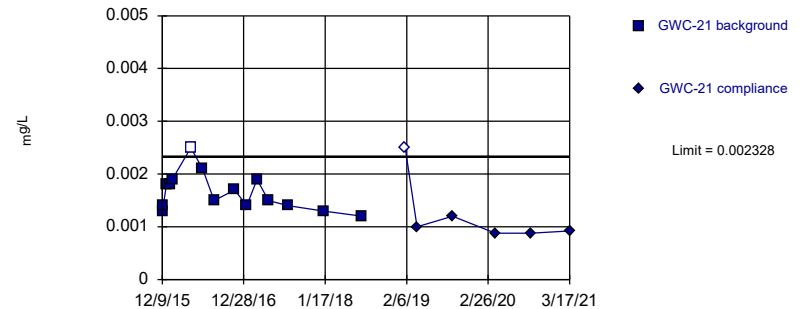


Background Data Summary: Mean=0.003524, Std. Dev.=0.00223, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8444, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Parametric

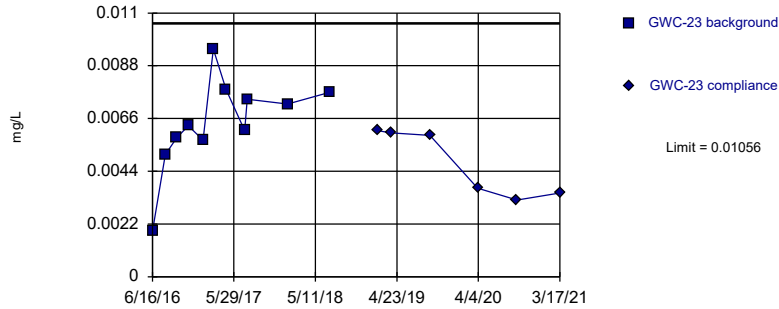


Background Data Summary: Mean=0.001647, Std. Dev.=0.0003563, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric



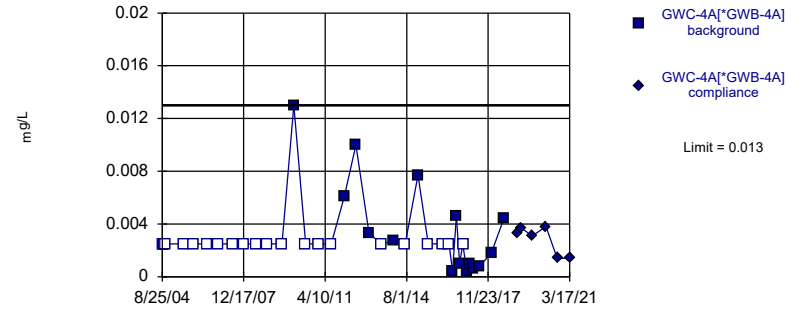
Background Data Summary: Mean=0.006409, Std. Dev.=0.001944, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9239, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



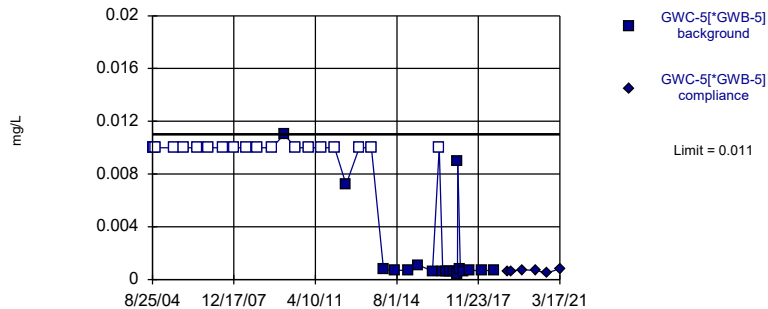
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 59.46% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



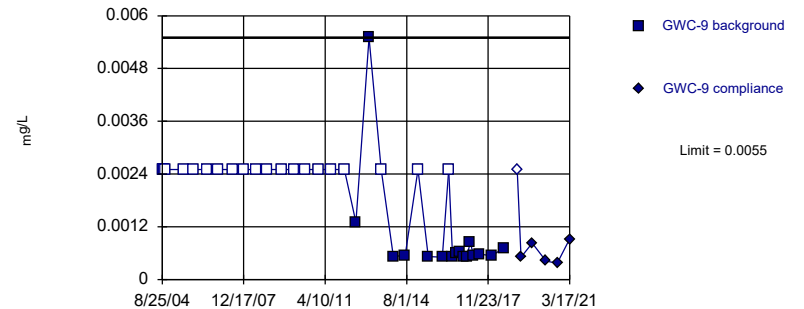
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 51.28% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric

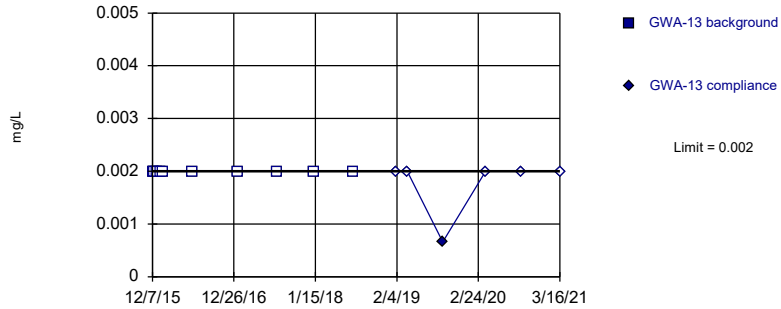


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 56.76% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

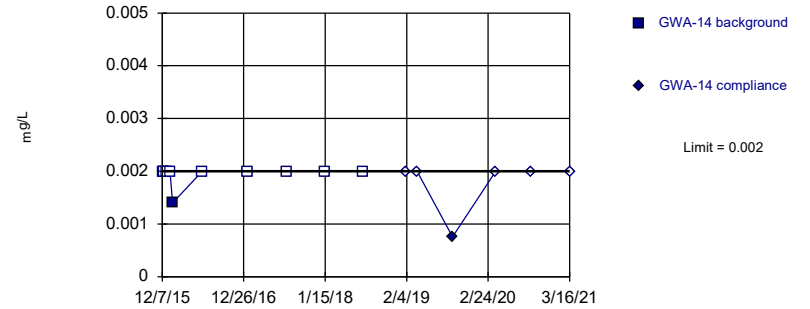


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

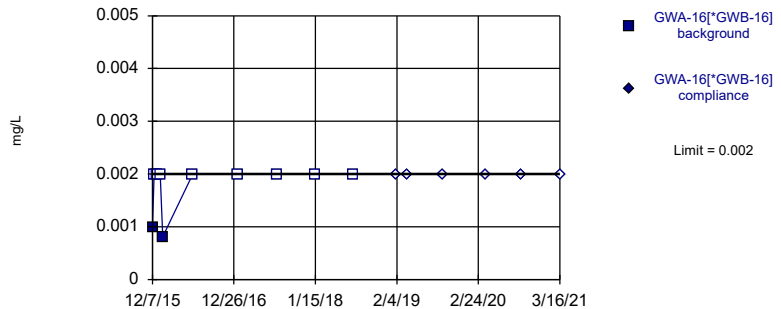


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

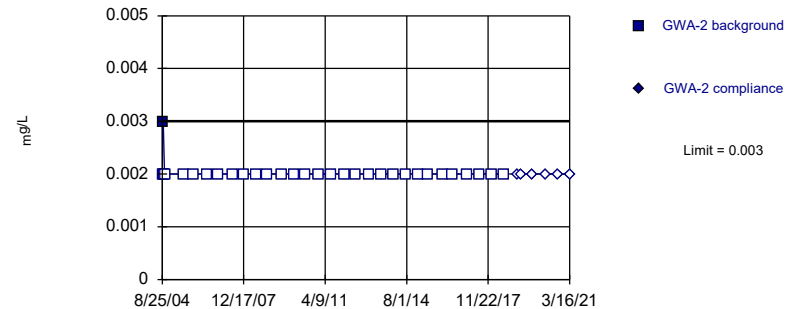


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

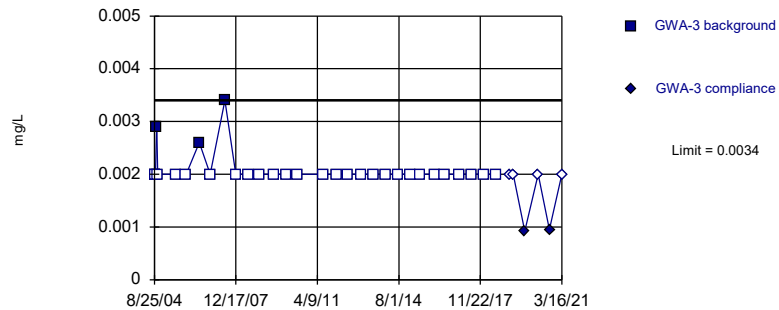


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

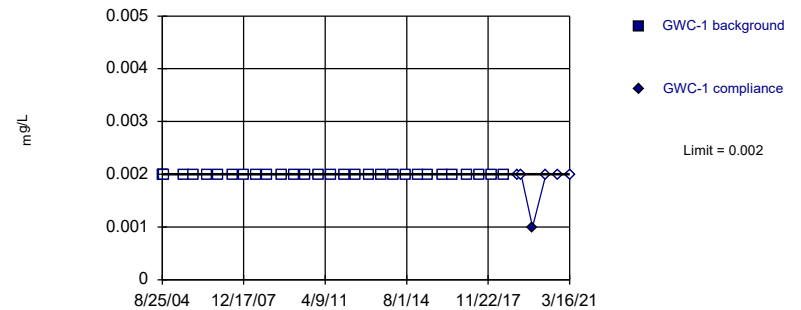


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

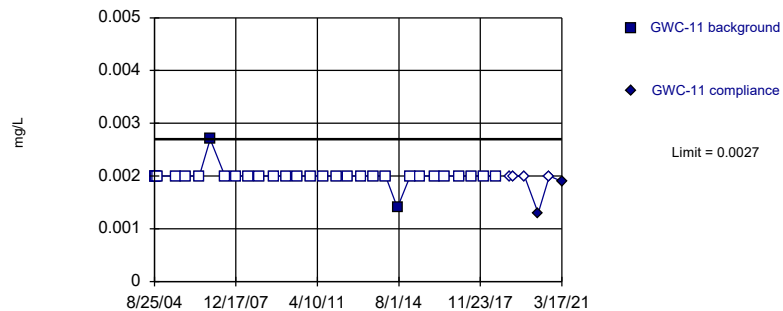


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

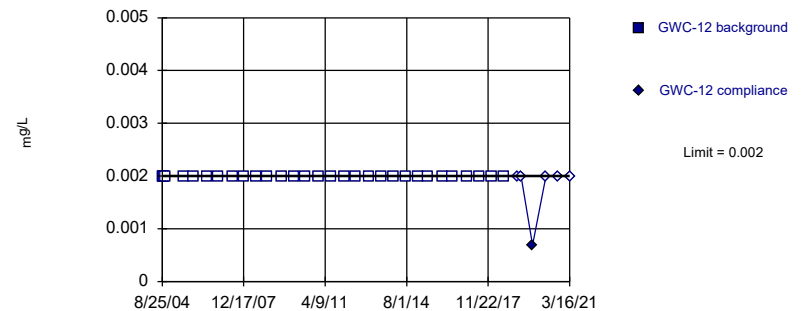


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

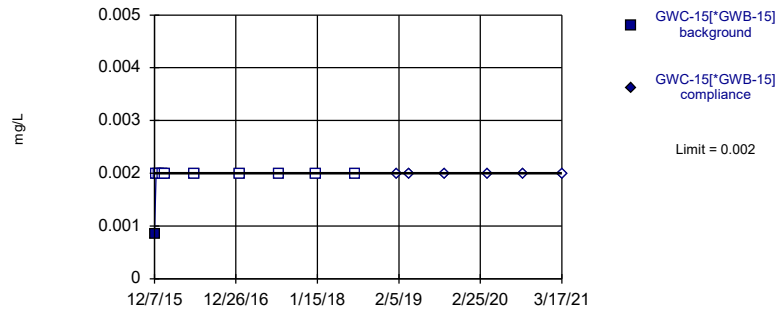


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 31) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

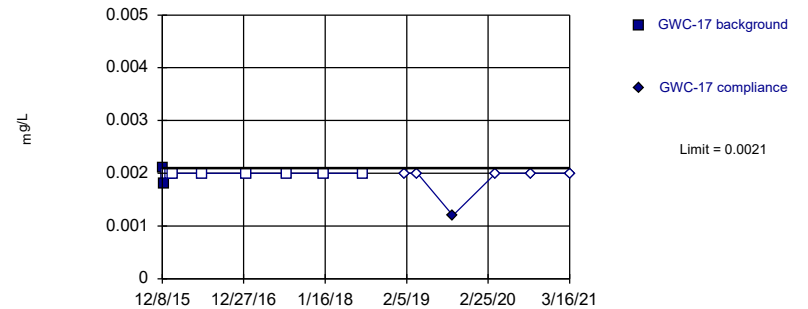


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

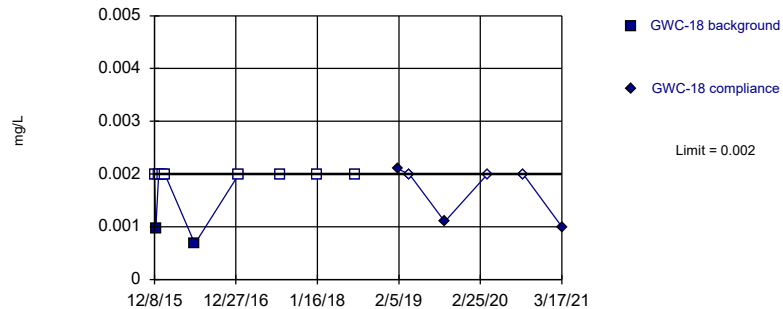


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

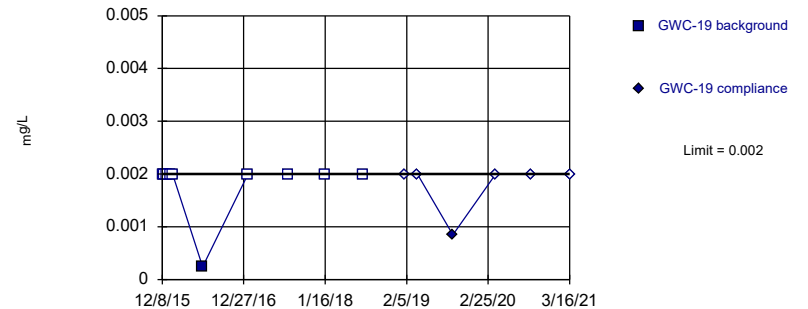


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:27 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

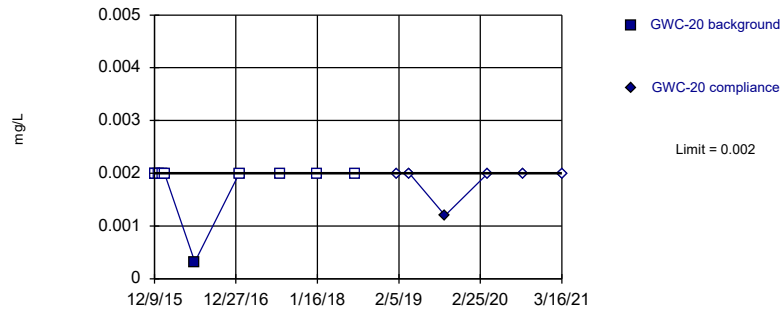


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

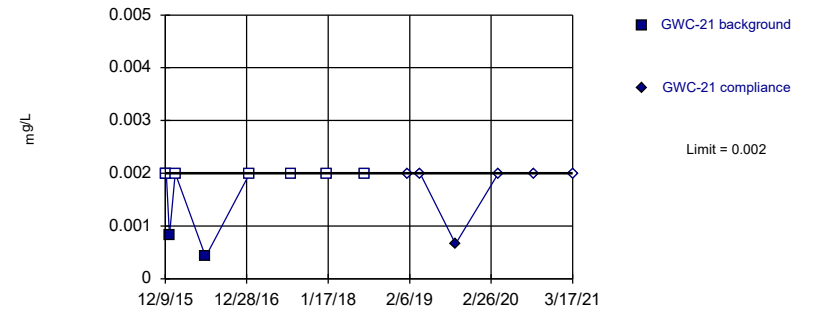


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

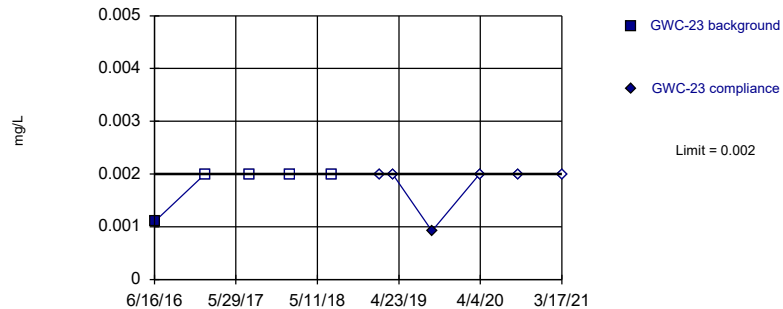


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

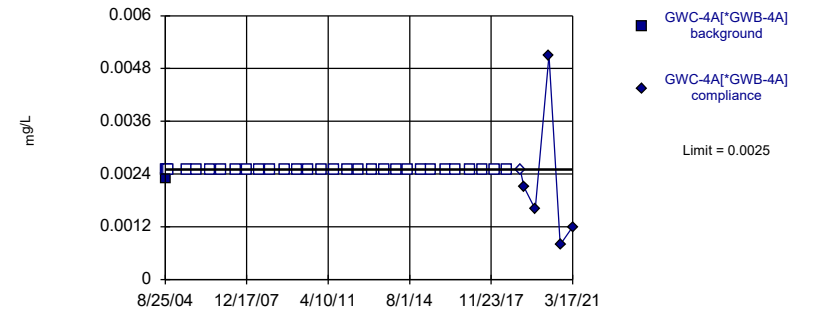


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 80% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

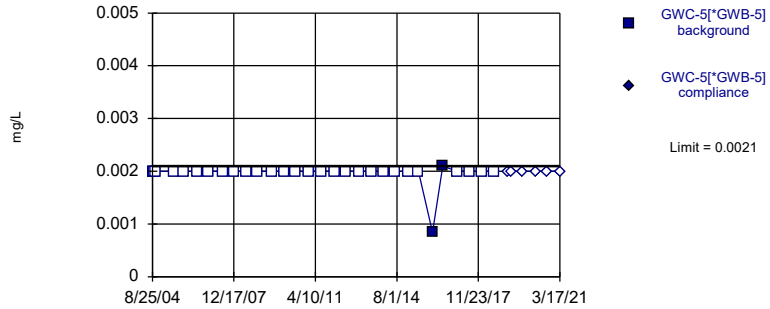


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

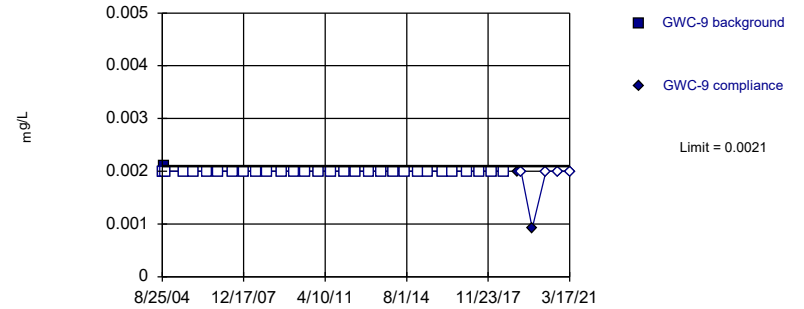


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

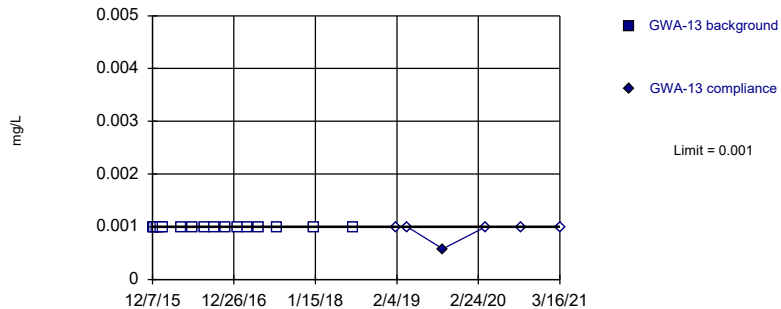


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

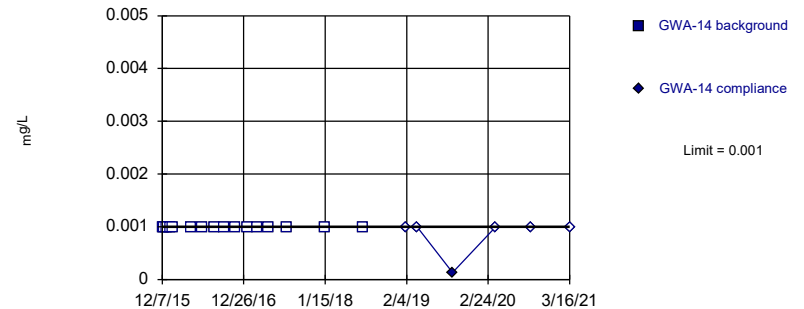


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

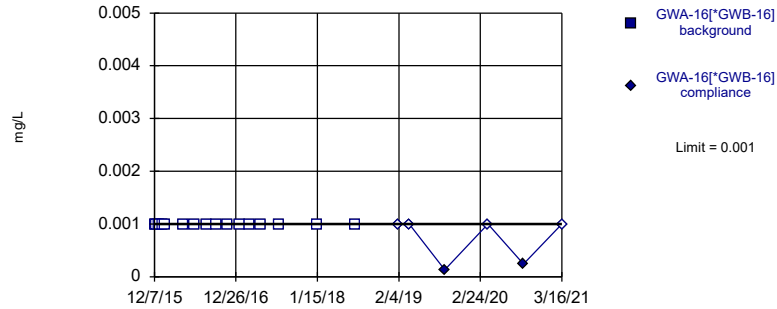


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

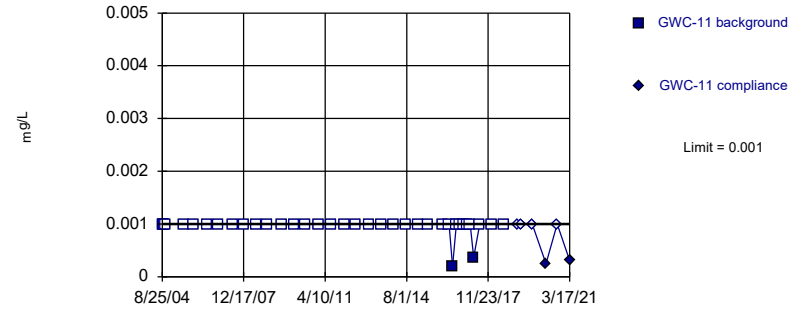


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

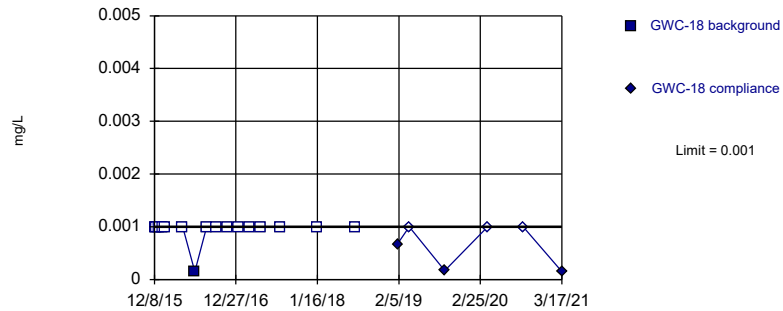


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

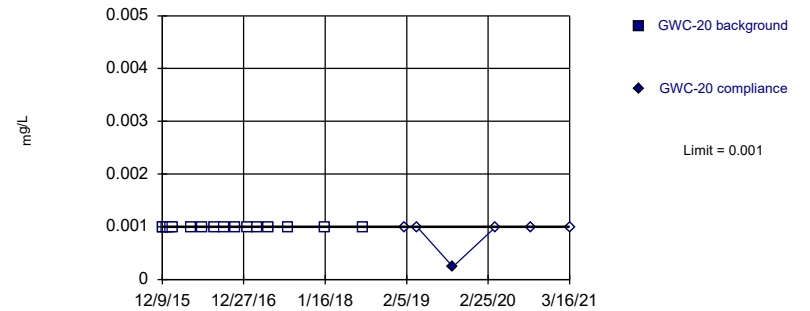


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric



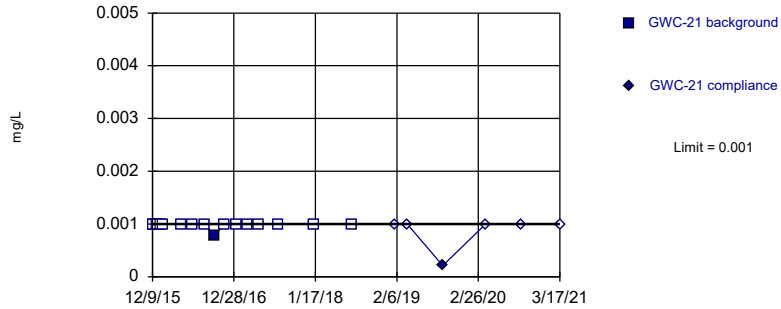
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

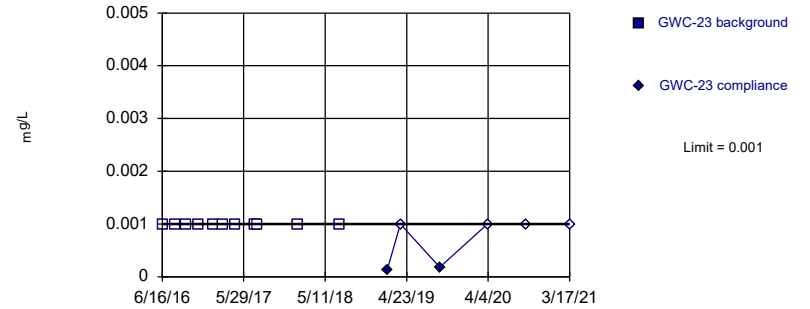


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

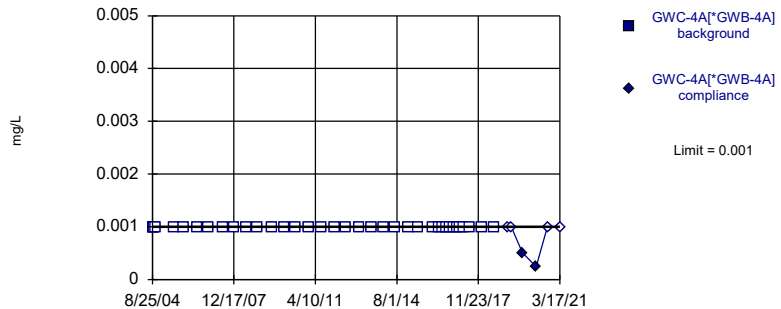


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

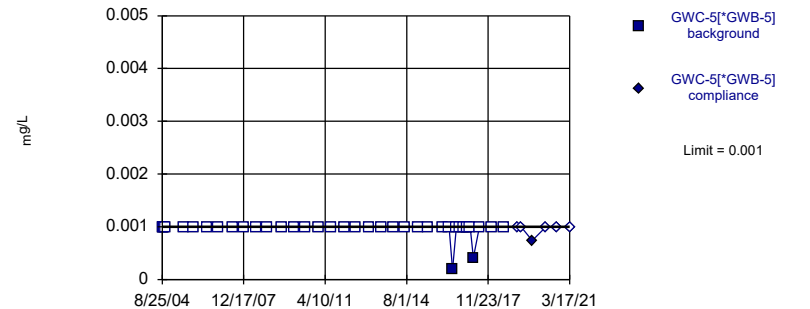


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

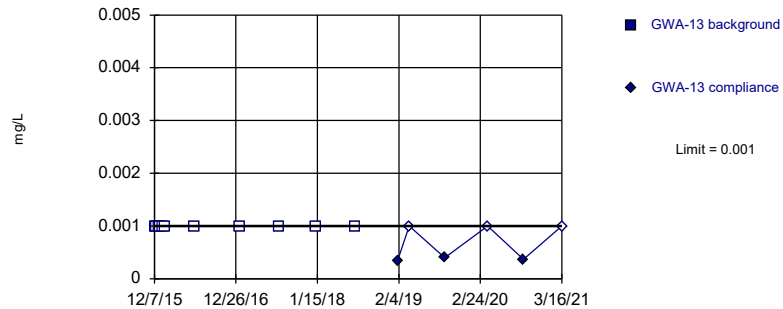


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Lead Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

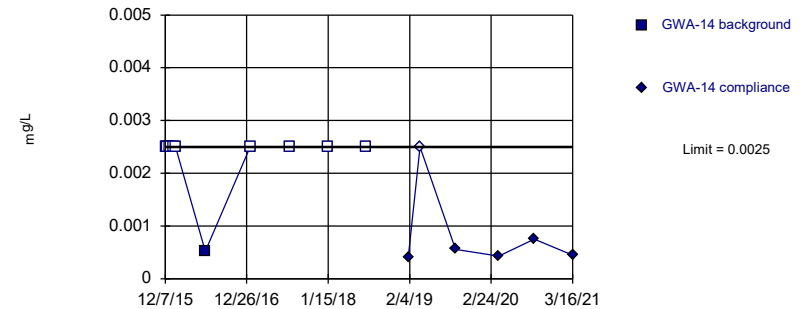


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

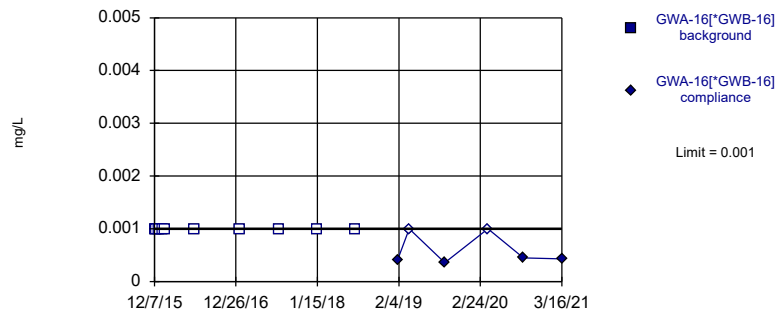


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

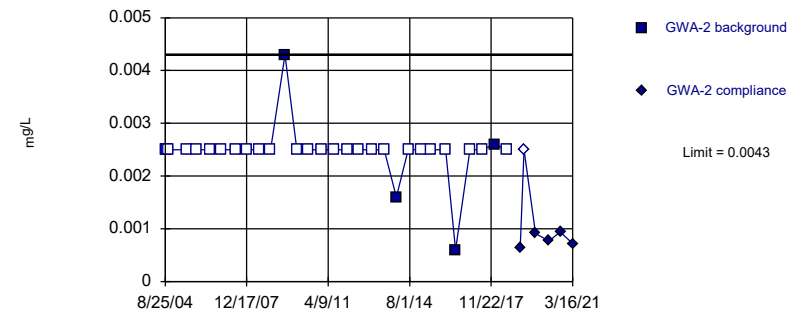


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

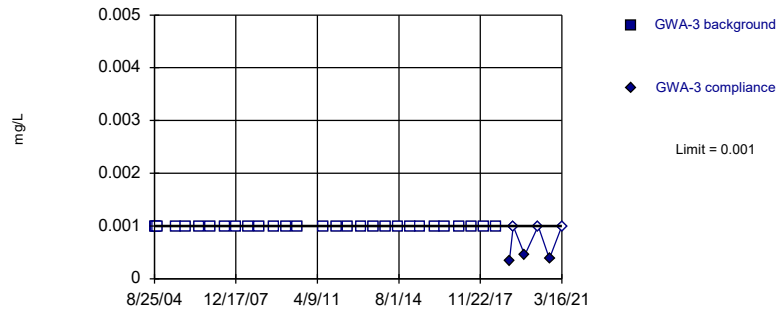


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

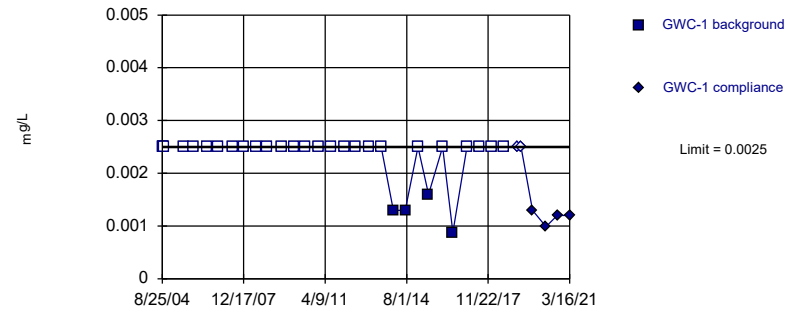


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0004147. Individual comparison alpha = 0.0002074 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

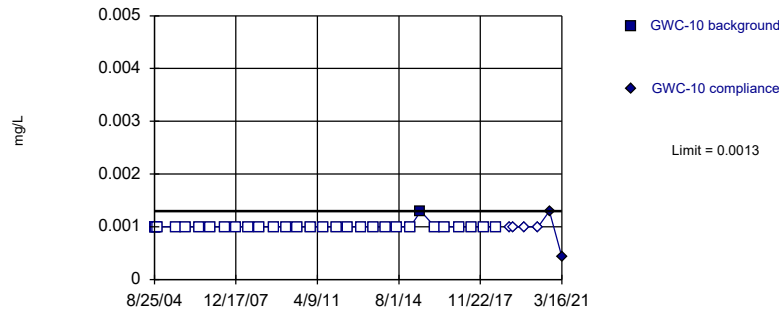


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

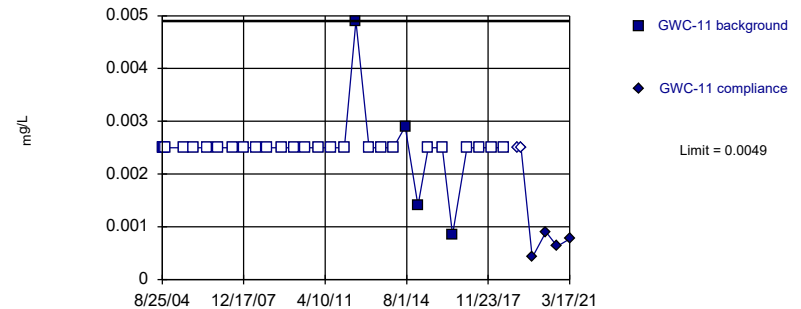


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

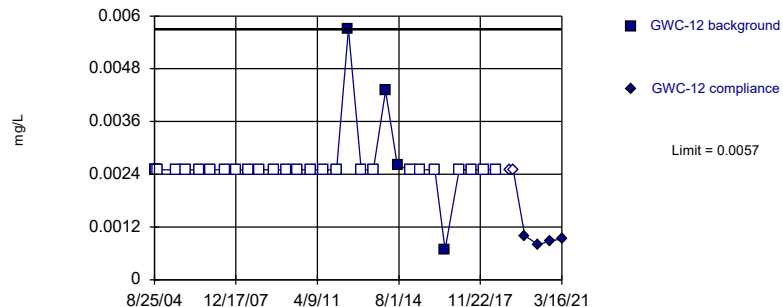


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

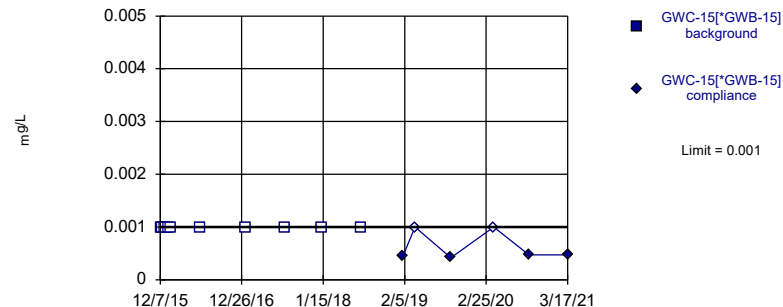


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

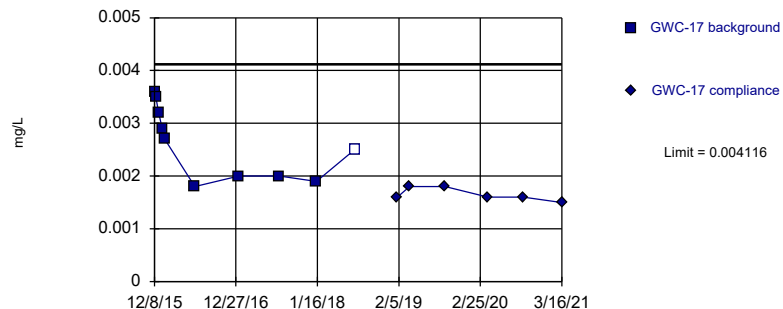


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

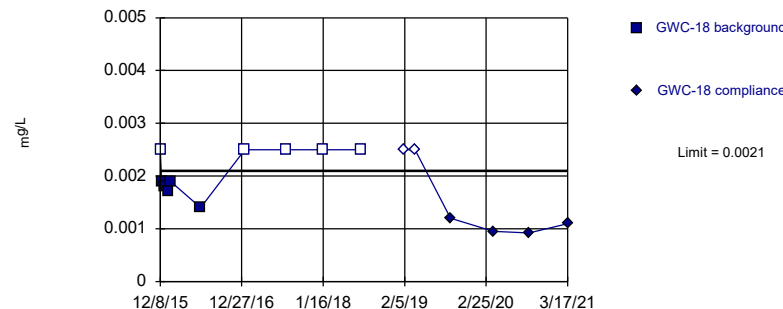


Background Data Summary: Mean=0.00261, Std. Dev.=0.0006773, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9065, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



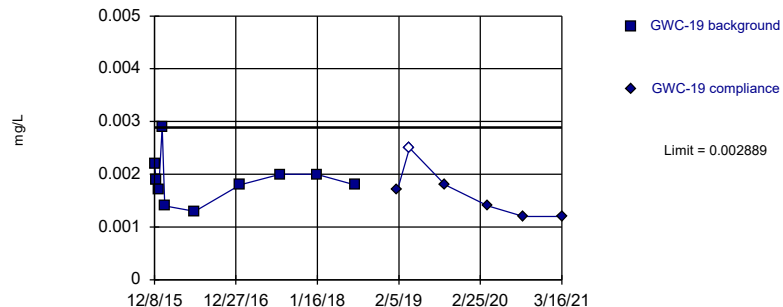
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001687, Std. Dev.=0.0001857, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8068, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



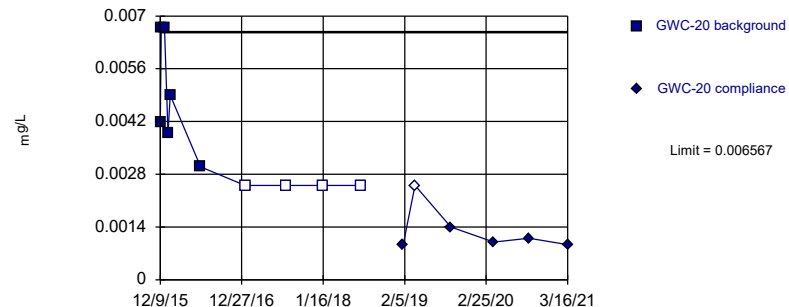
Background Data Summary: Mean=0.0019, Std. Dev.=0.0004447, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9122, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



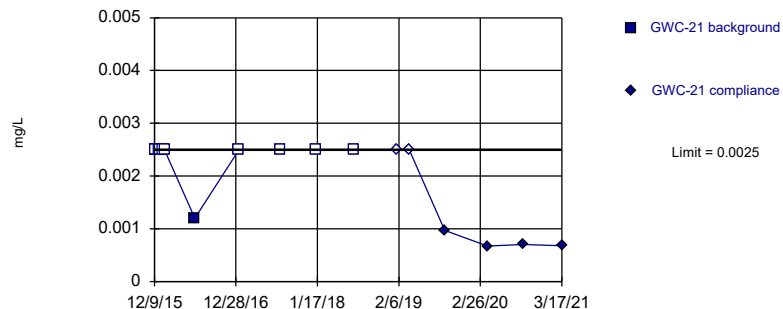
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003595, Std. Dev.=0.001337, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8151, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



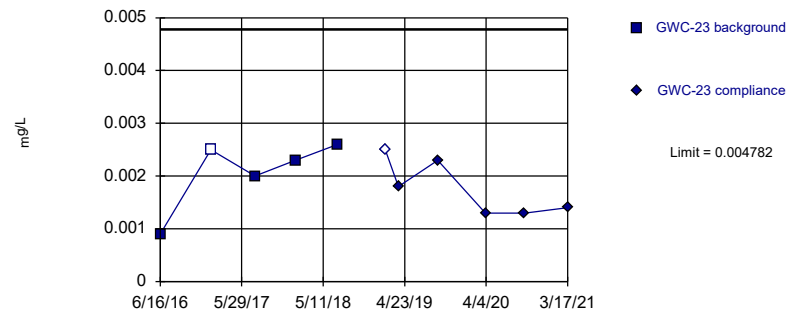
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric

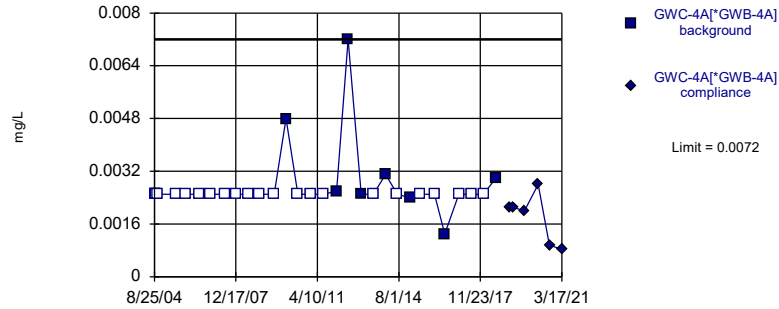


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001907, Std. Dev.=0.0006403, n=5, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8265, critical = 0.686. Kappa = 4.49 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

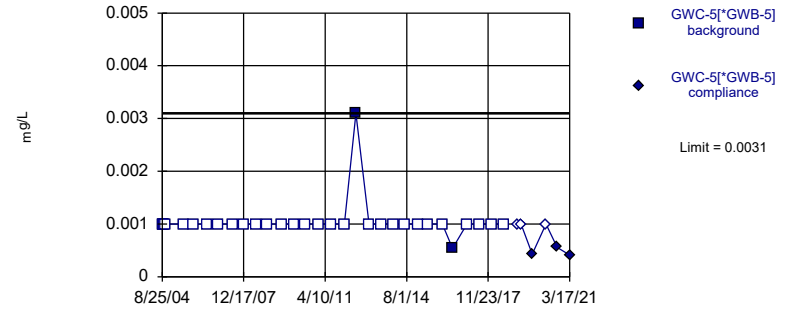


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 74.19% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

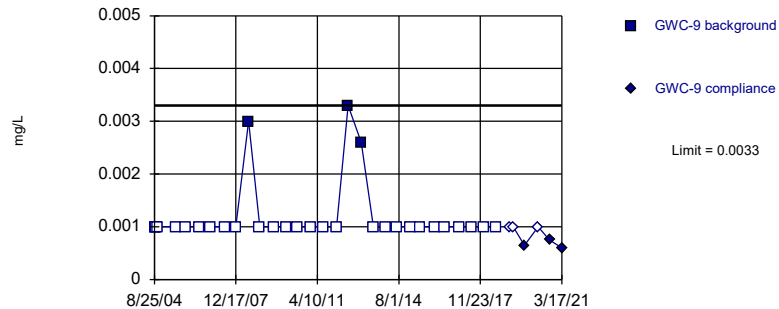


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

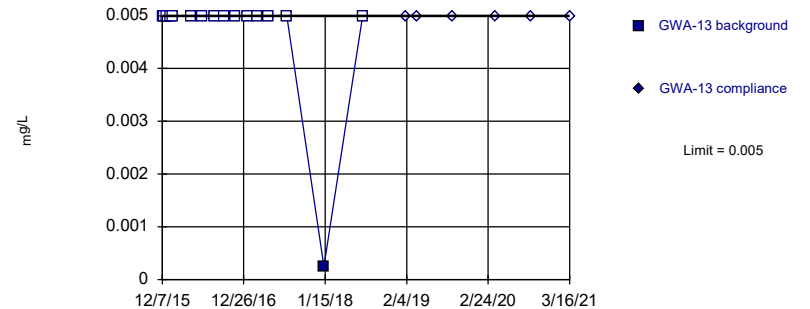


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

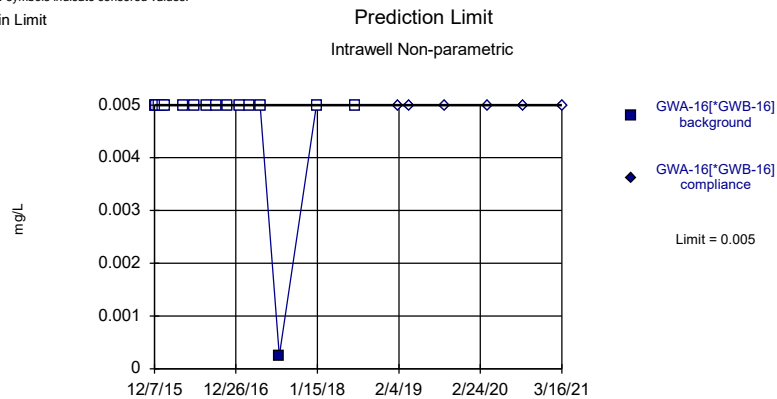
Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

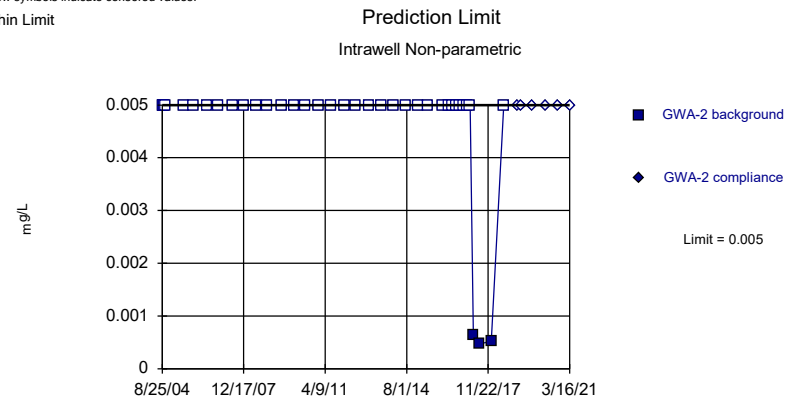
Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

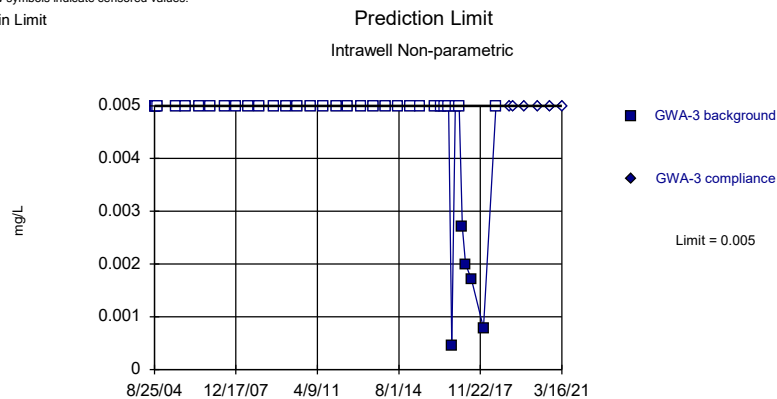
Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

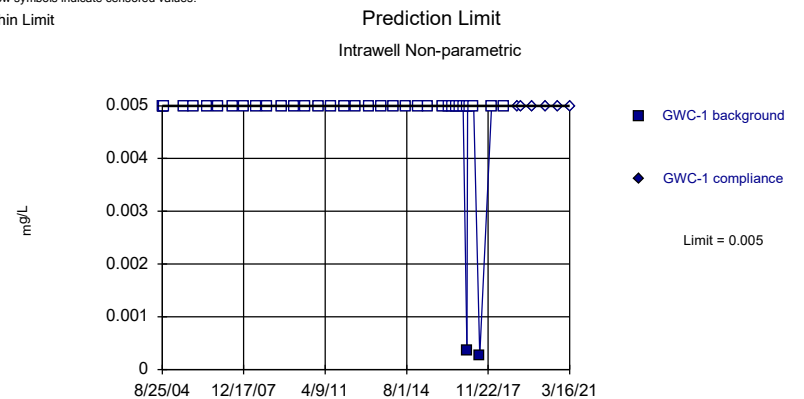
Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 86.49% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

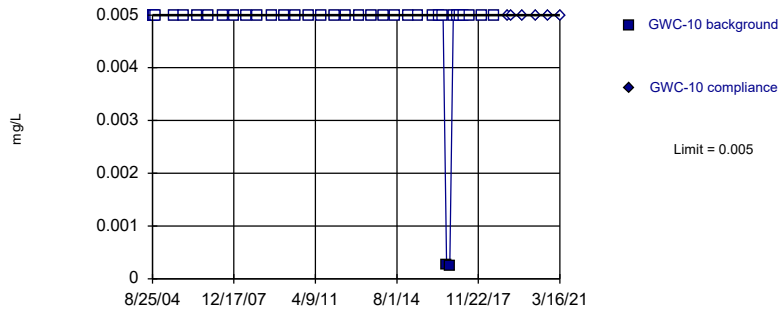


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

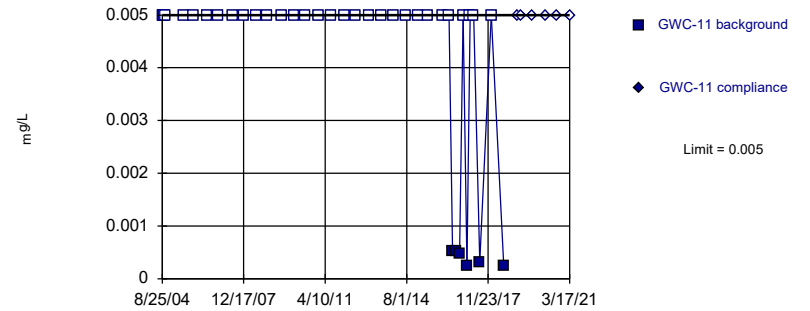


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

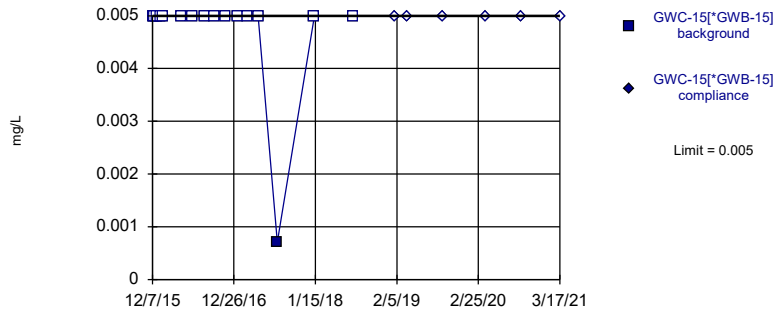


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

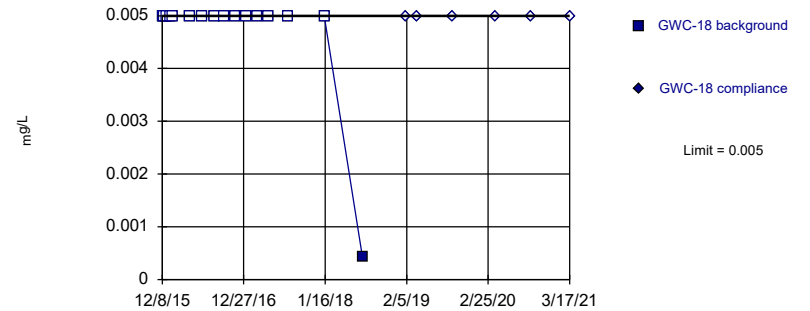


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

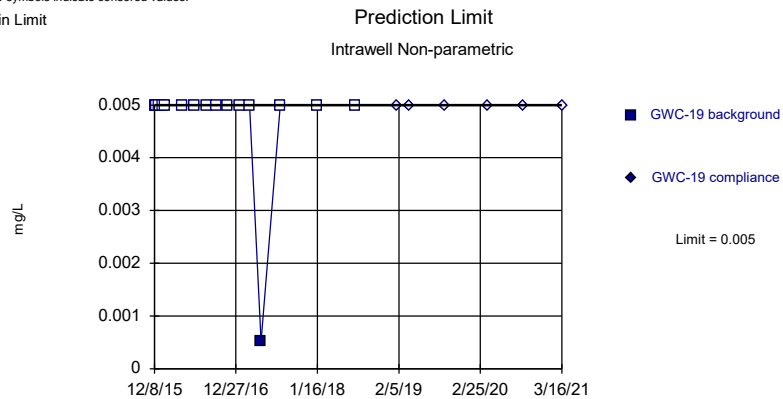


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



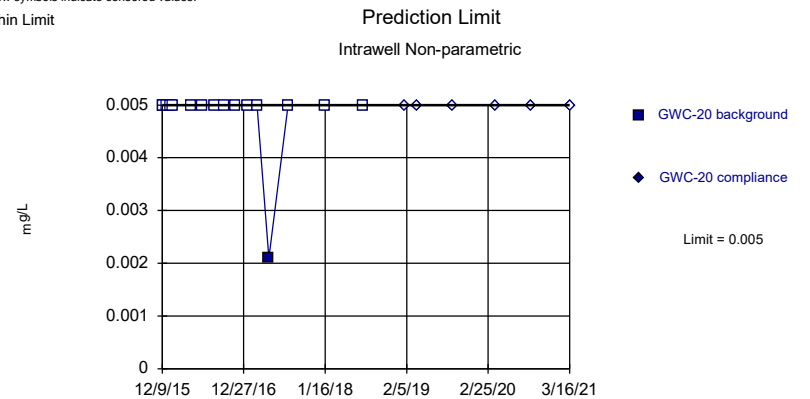
Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:28 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

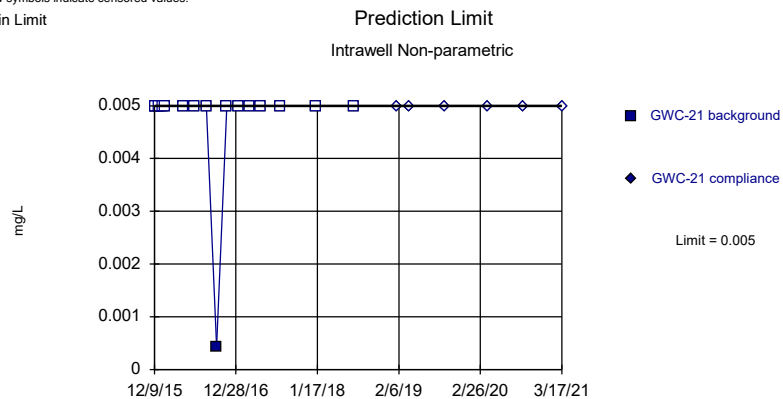
Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

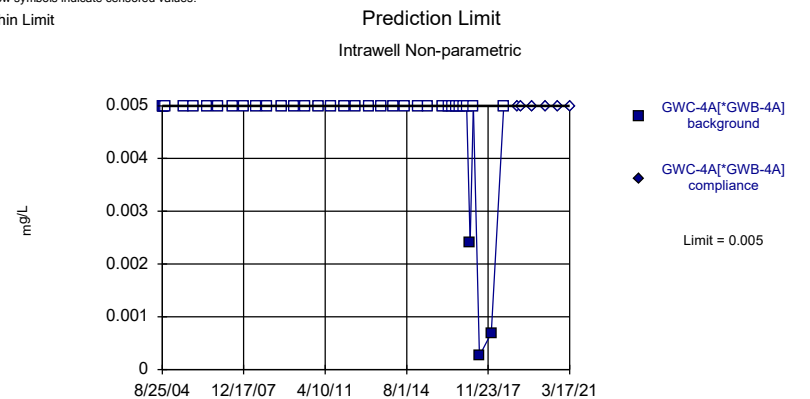
Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

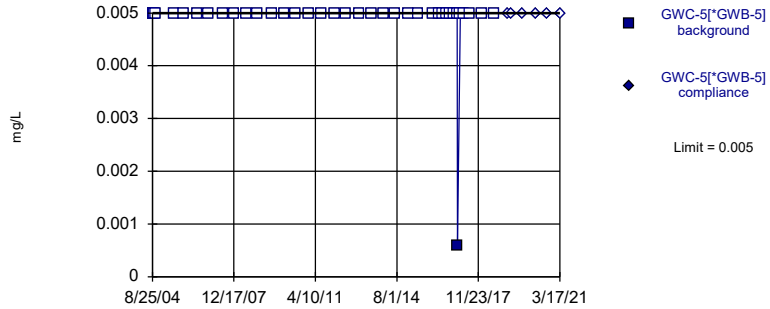


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

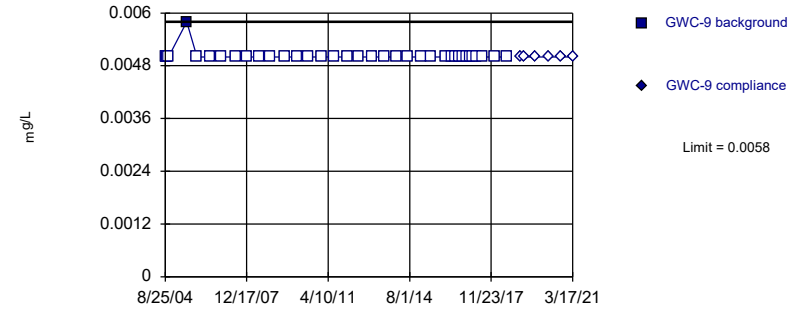


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.000192. Individual comparison alpha = 0.00009598 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

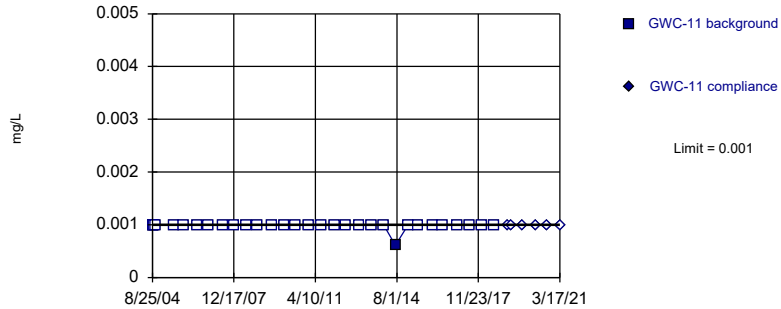


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

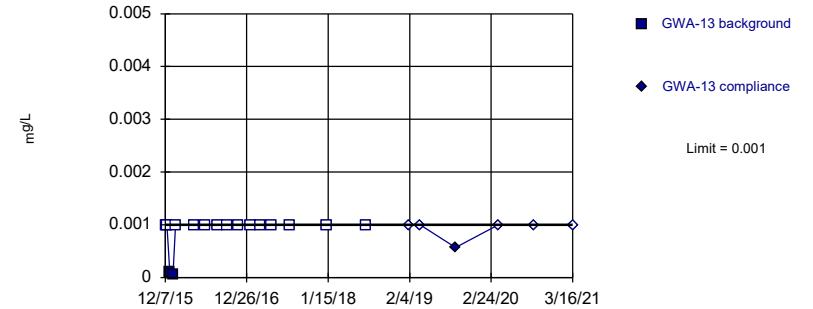


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Silver Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

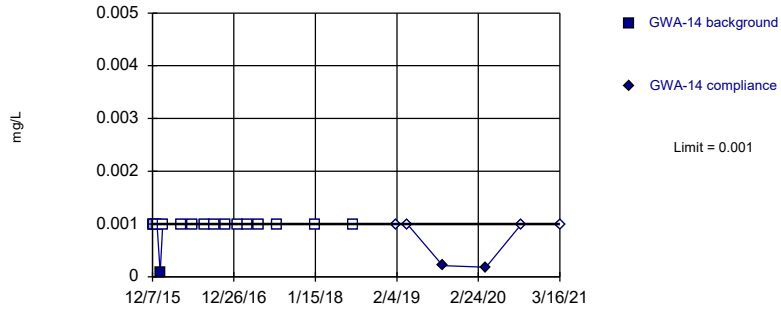


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

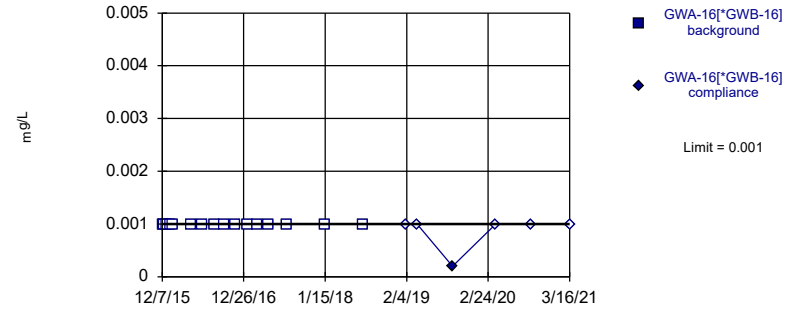


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

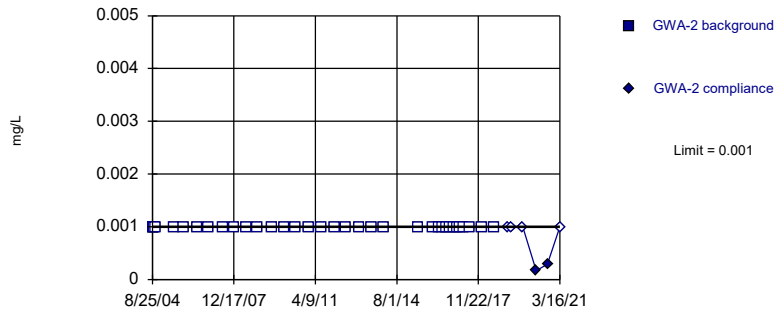


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

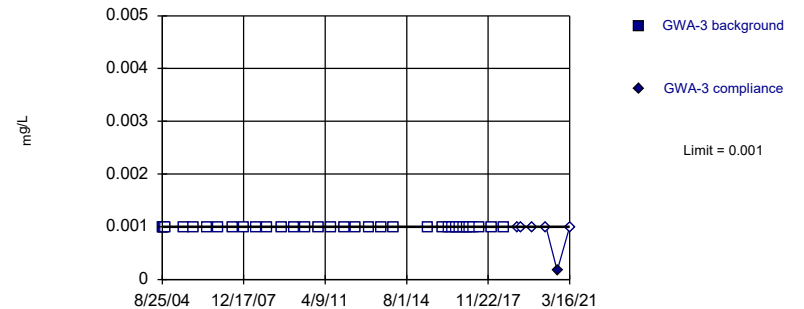


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

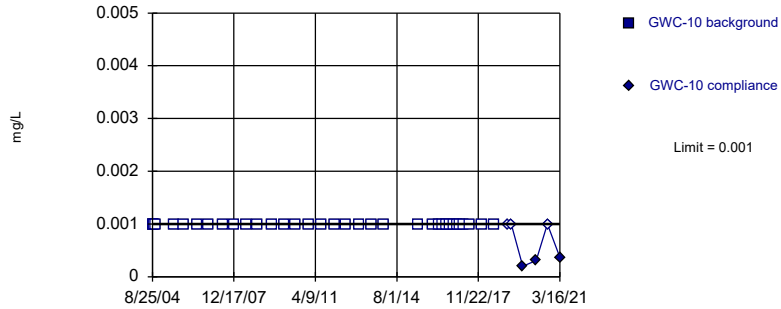


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

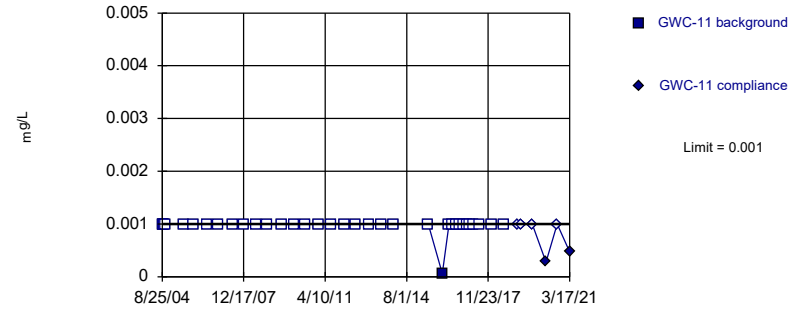


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

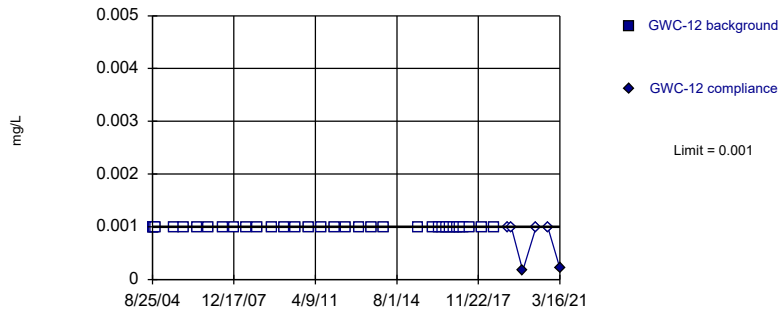


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 97.14% NDs. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

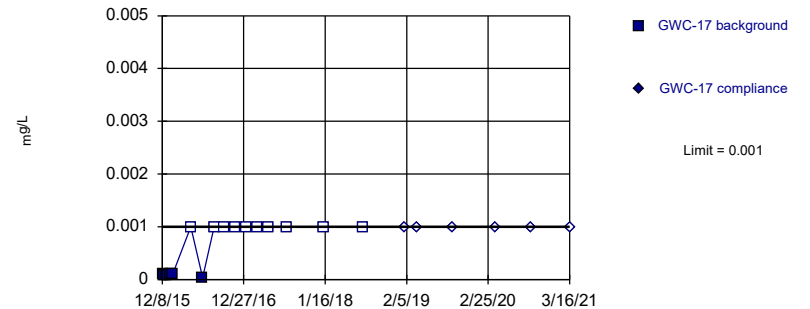


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

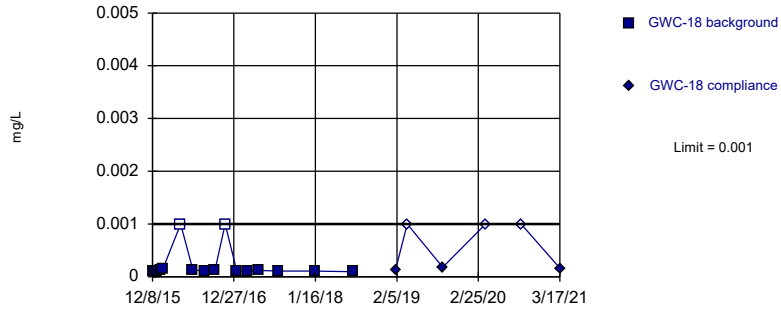


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

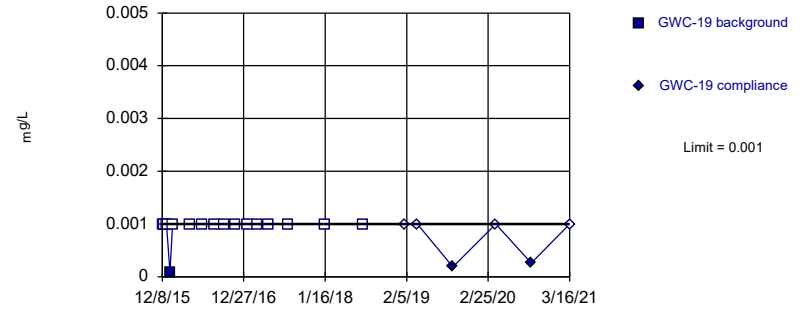


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

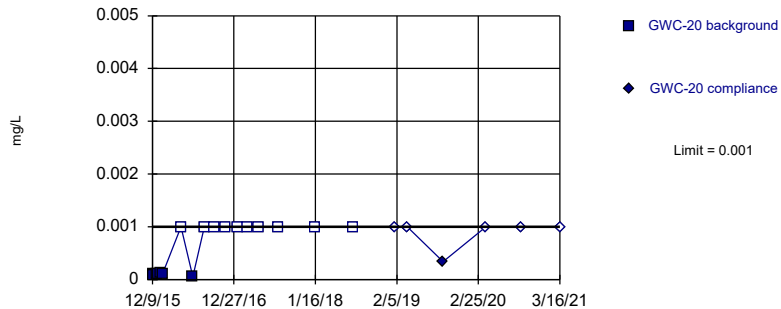


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

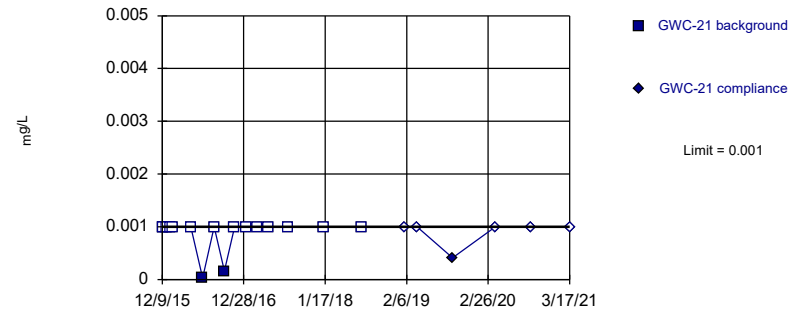


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

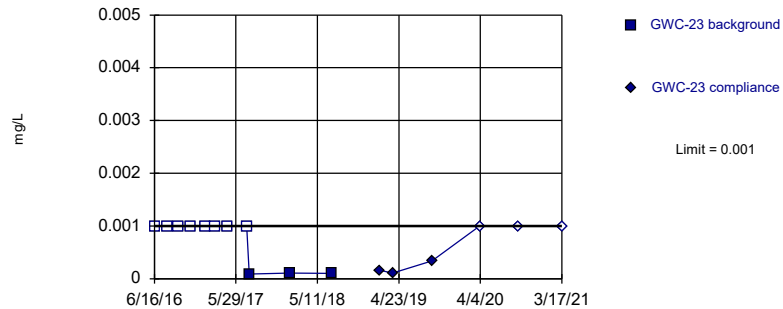


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

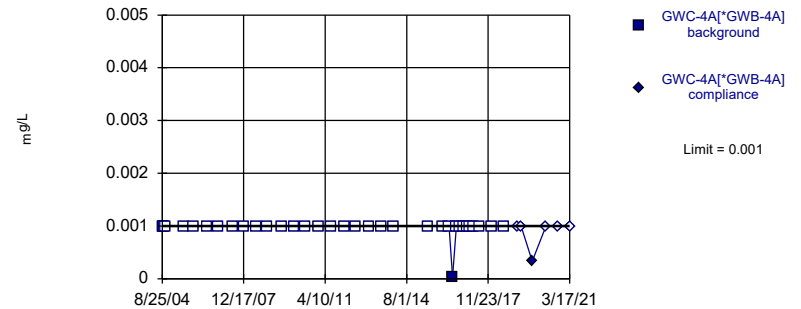


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

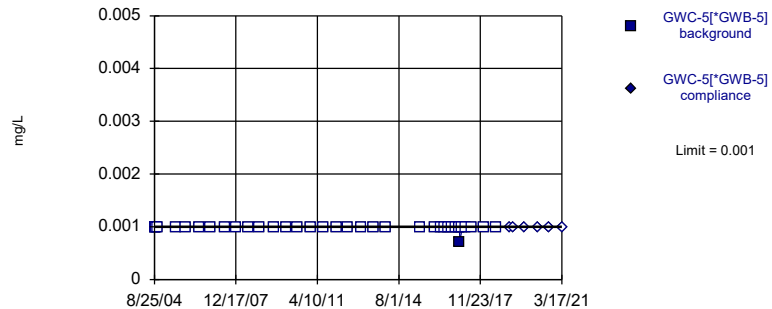


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 97.14% NDs. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

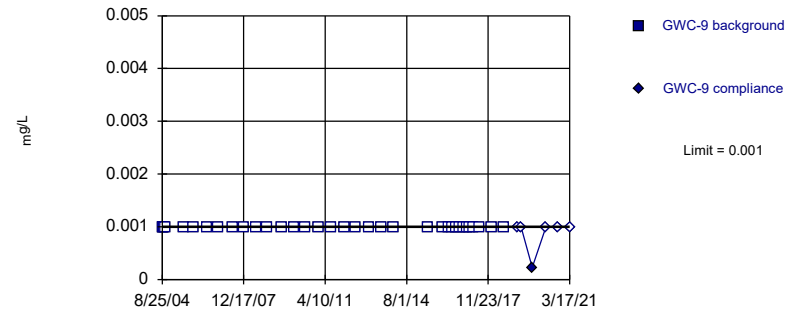


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

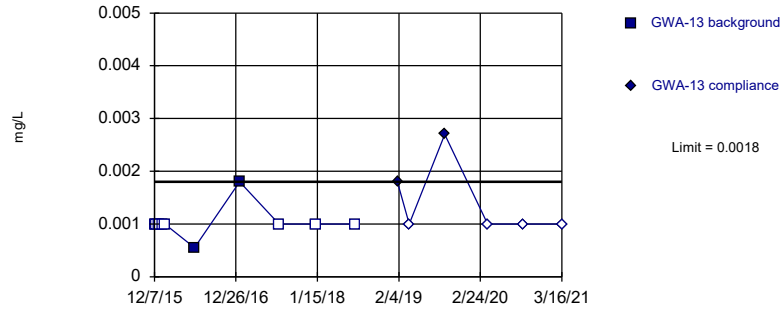


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

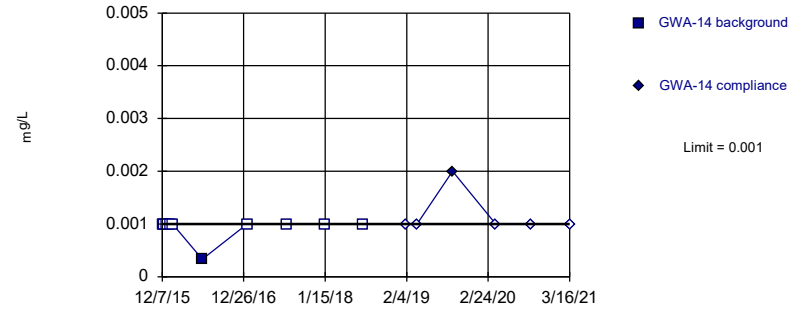


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

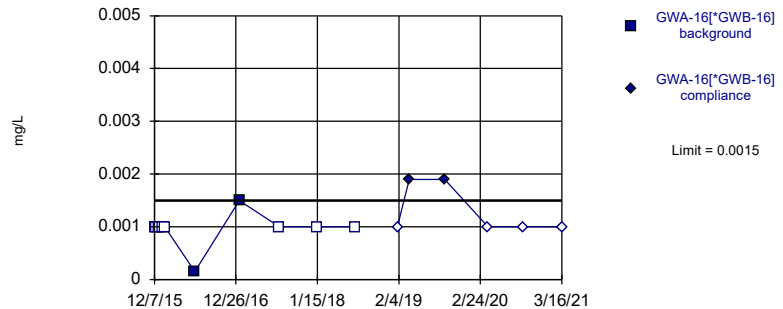


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

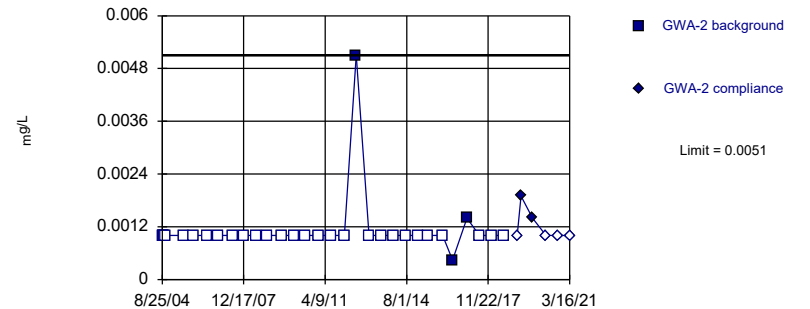


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

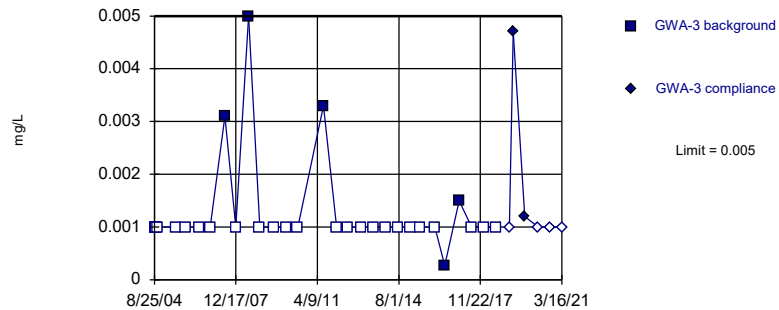


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

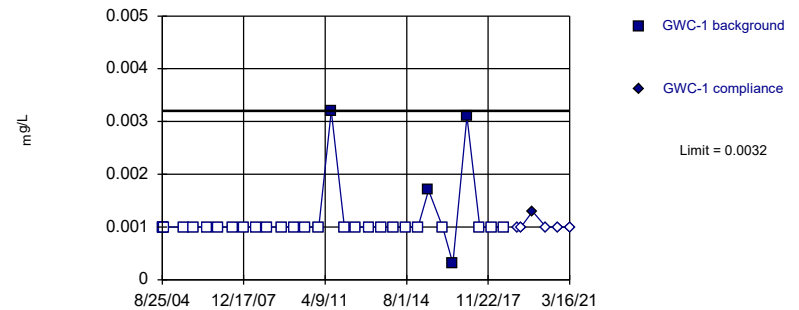


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

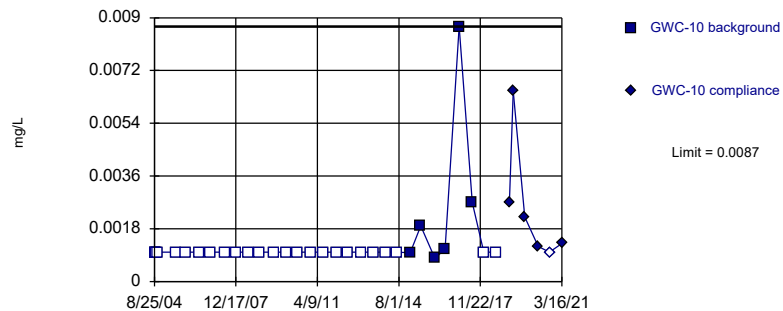


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

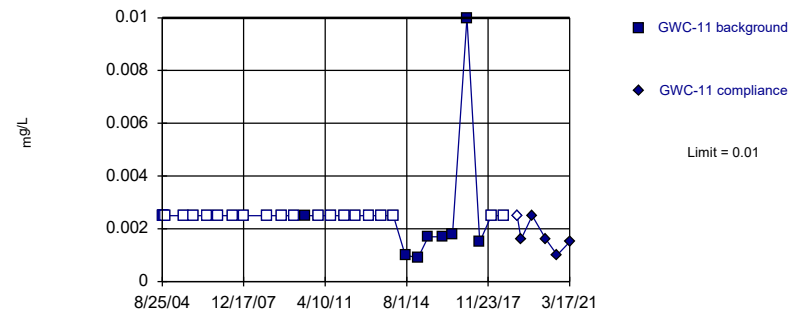


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 80.65% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric



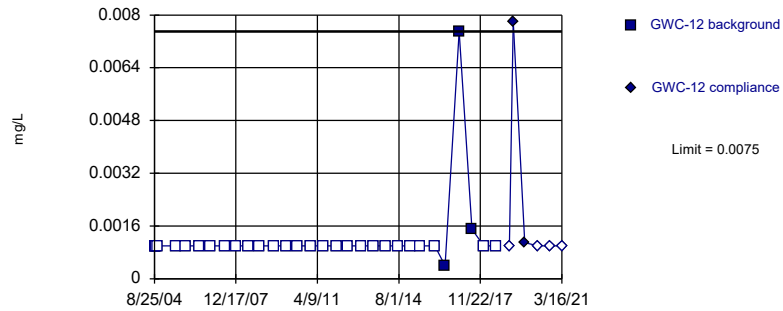
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

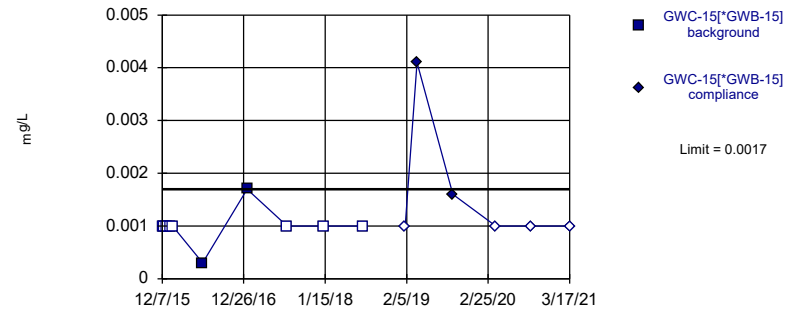


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

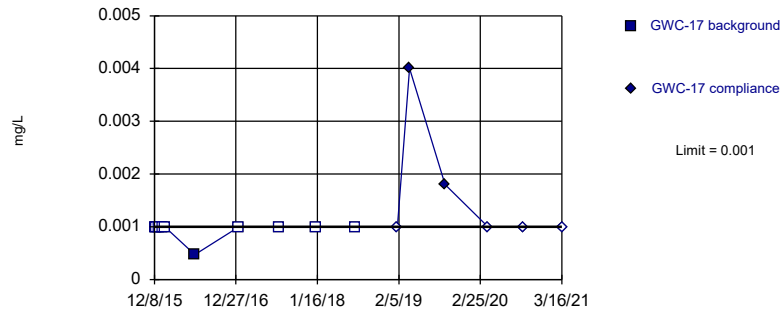


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

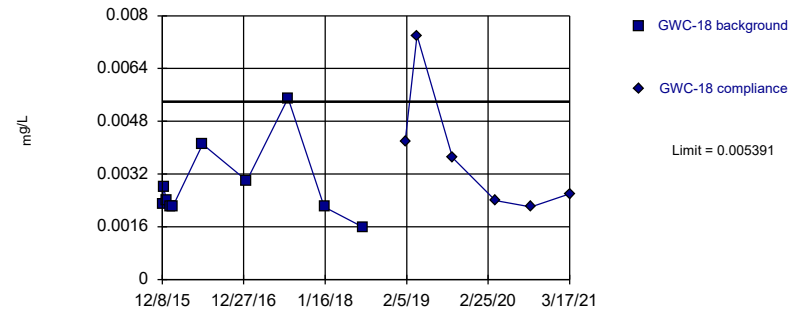


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.00283, Std. Dev.=0.001152, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8111, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

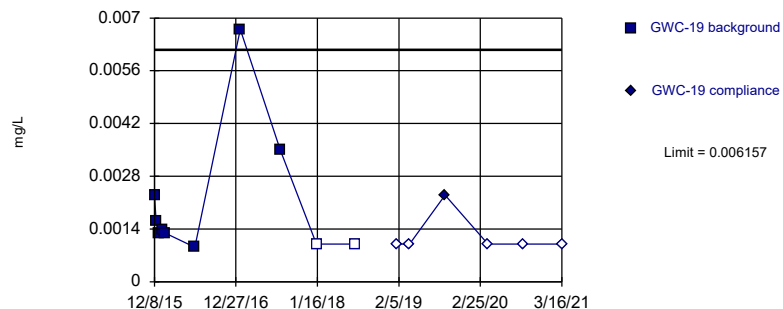
Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1199, Std. Dev.=0.02849, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8028, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

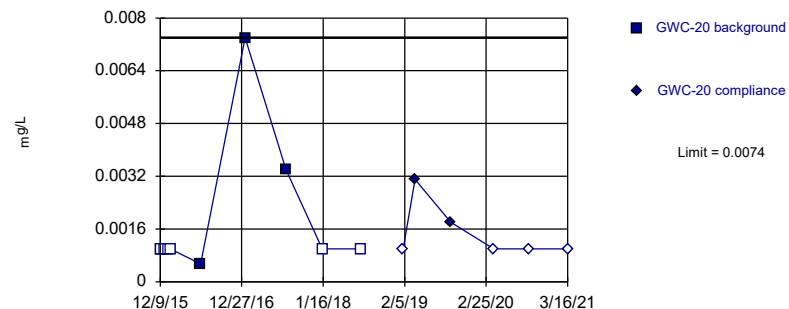
Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

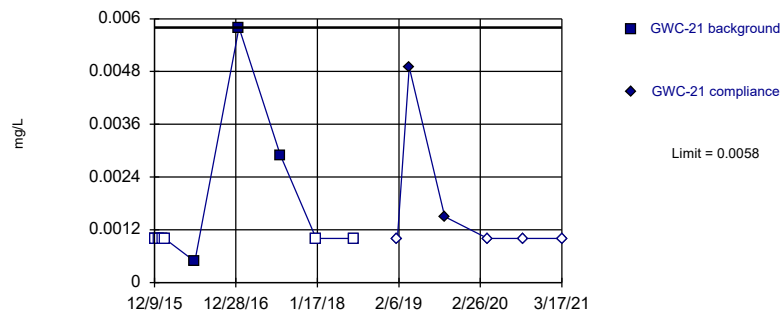
Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

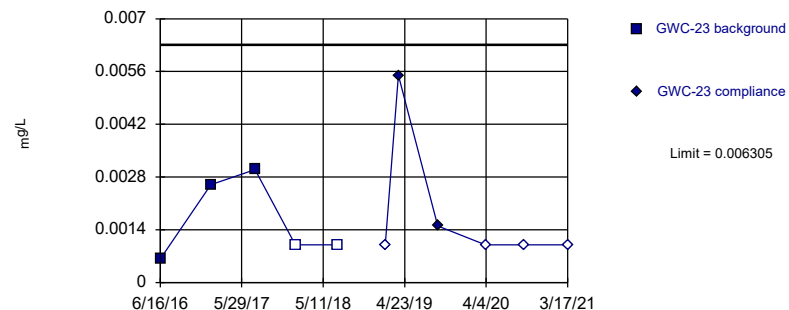
Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric

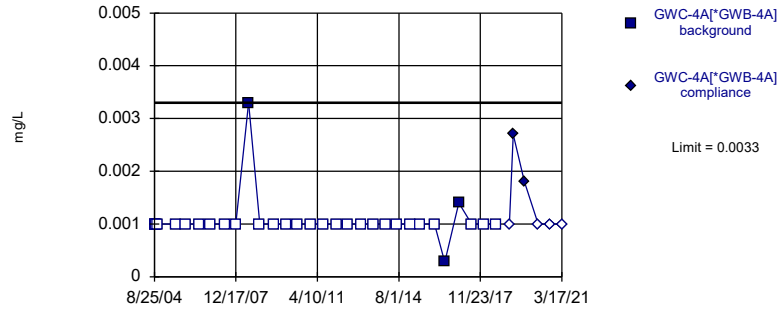


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001498, Std. Dev.=0.001071, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8343, critical = 0.686. Kappa = 4.49 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

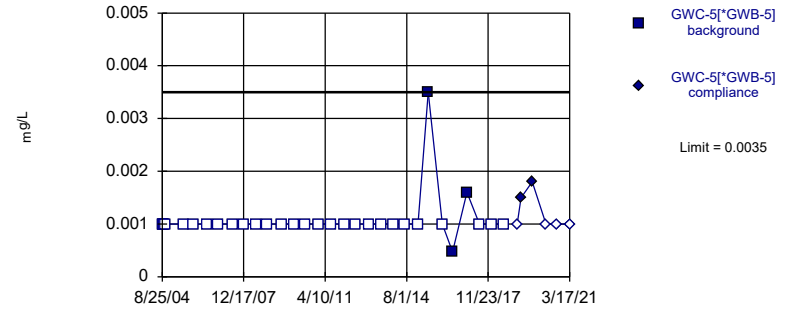


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

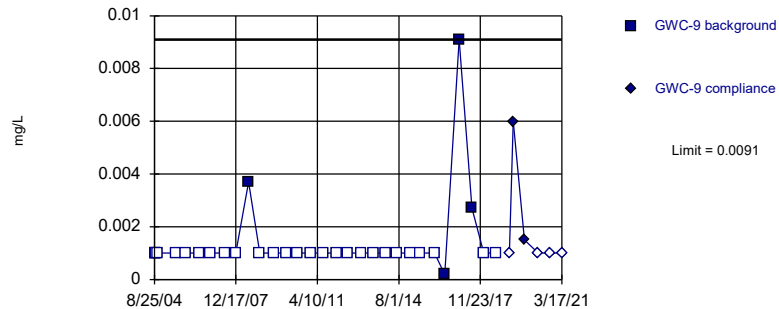


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

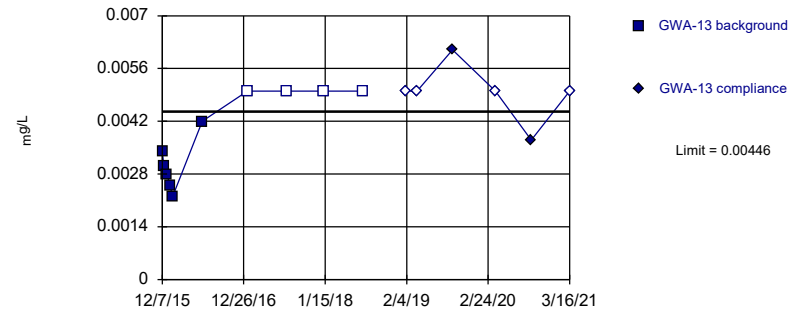


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

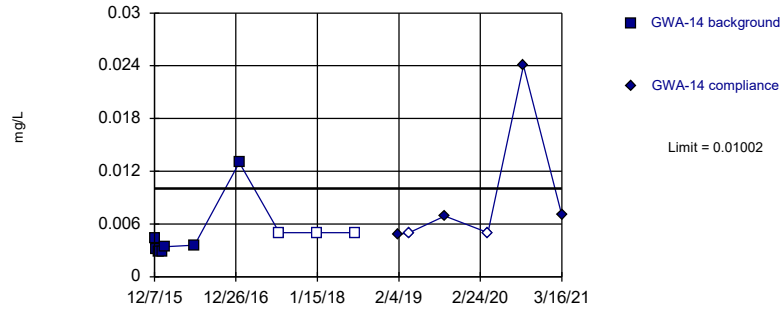


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003017, Std. Dev.=0.0006491, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8435, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

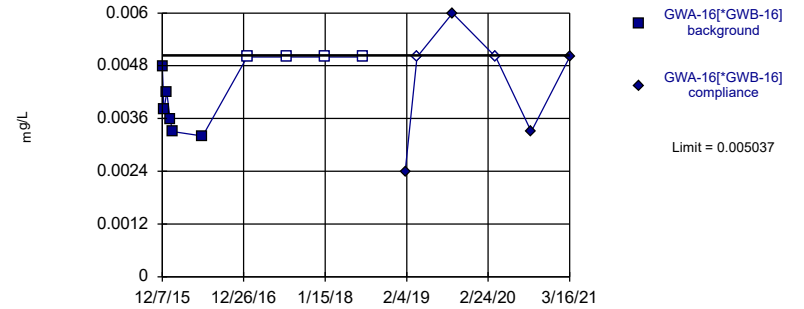


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.575, Std. Dev.=0.437, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8151, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

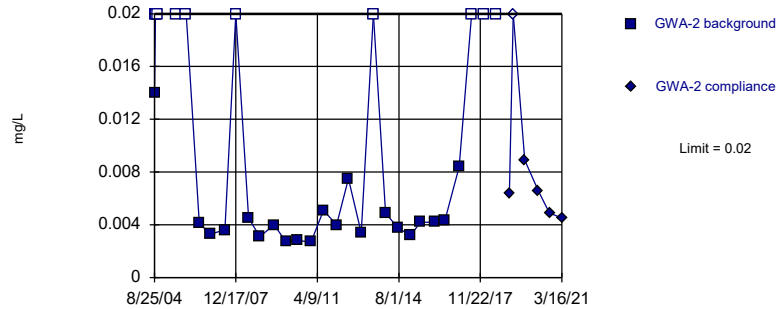


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003817, Std. Dev.=0.000549, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8234, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

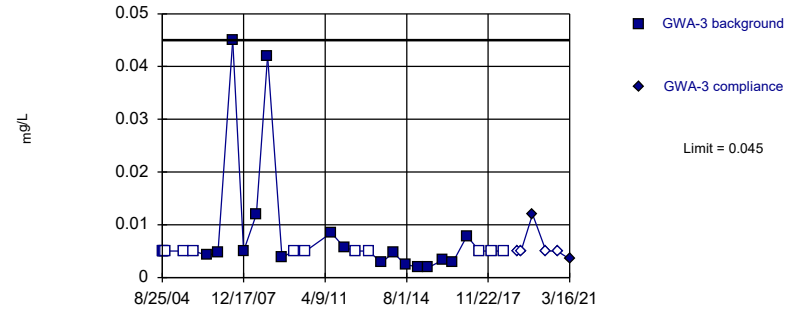


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

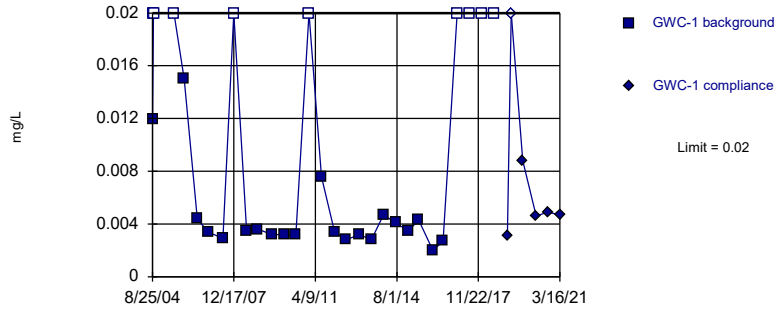


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 43.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

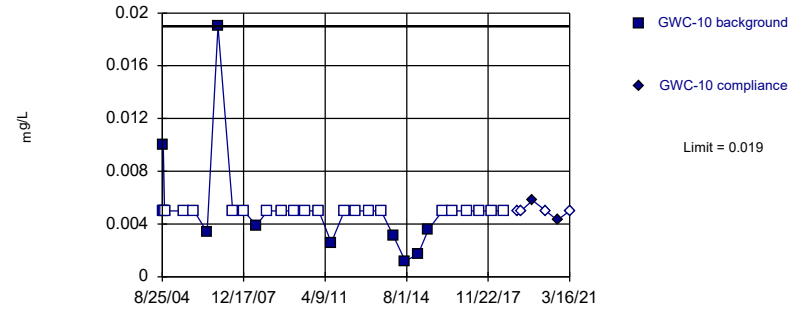


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 30% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

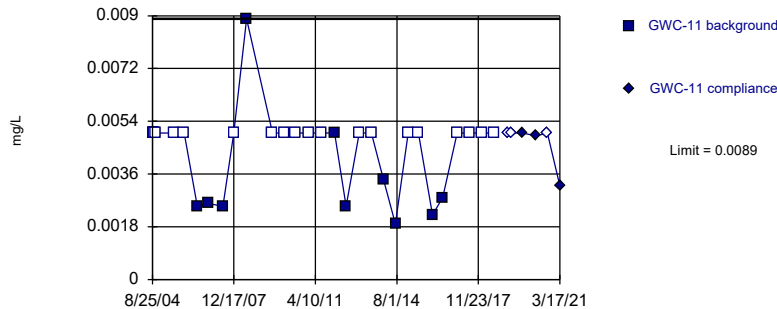


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 70.97% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:29 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

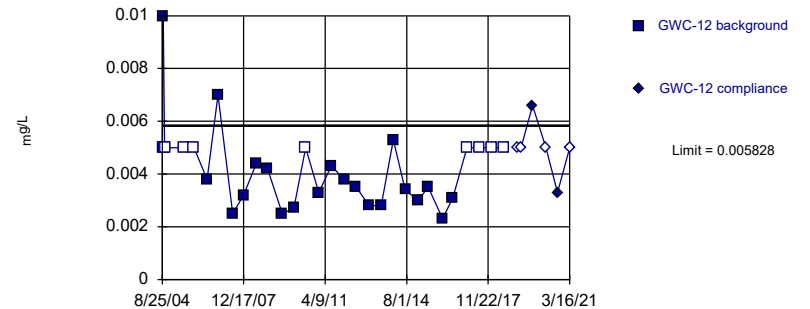


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

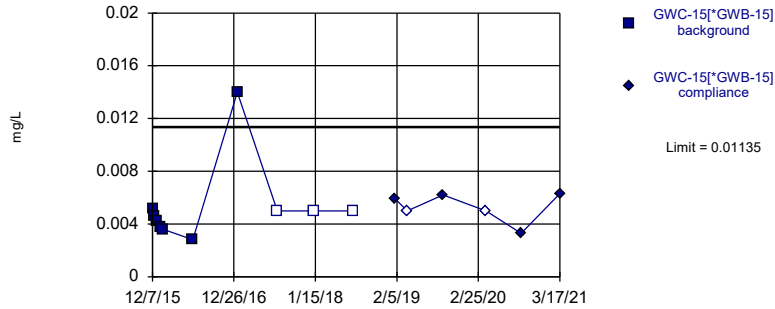


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1507, Std. Dev.=0.01782, n=31, 32.26% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.902. Kappa = 1.641 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

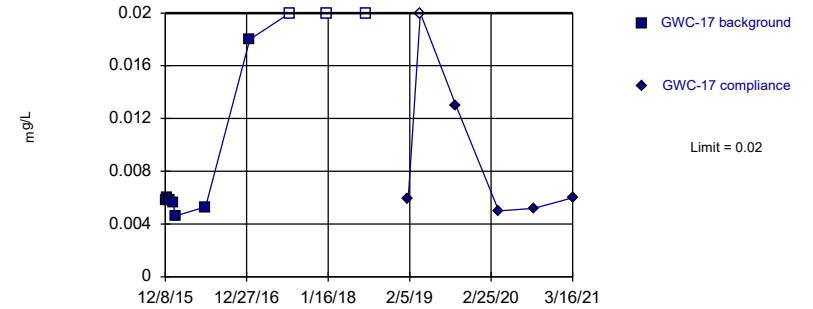


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.422, Std. Dev.=0.4242, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7931, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

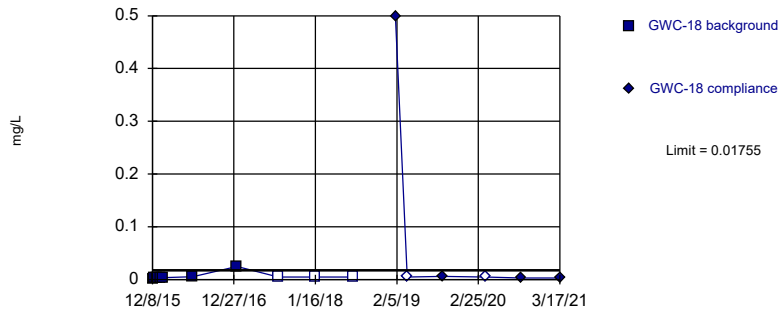


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 30% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

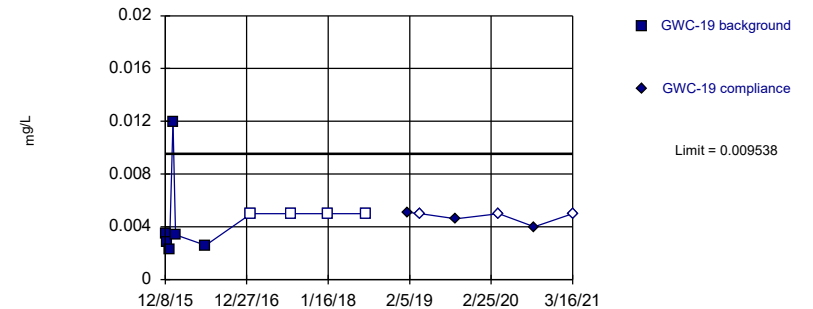


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.696, Std. Dev.=0.7436, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8386, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

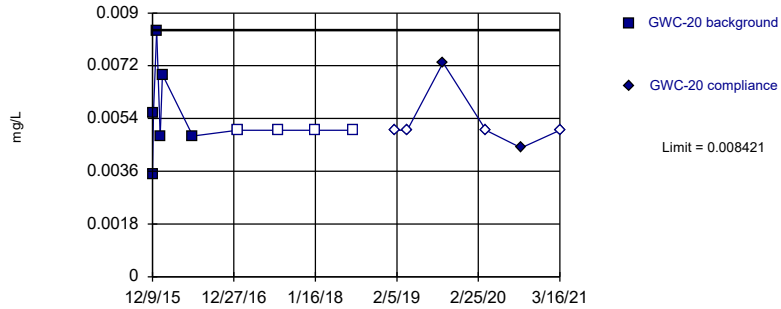


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05943, Std. Dev.=0.01719, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8064, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

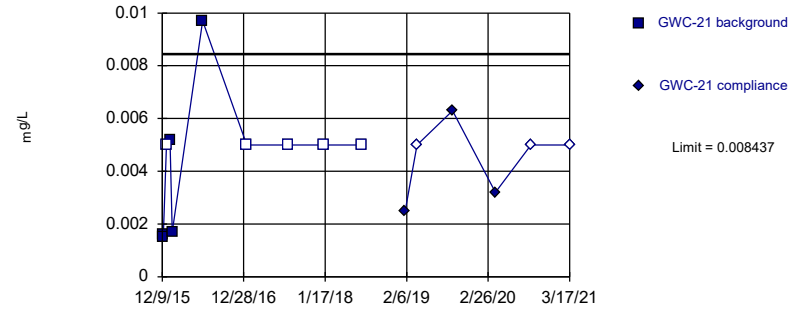


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004843, Std. Dev.=0.001609, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8304, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

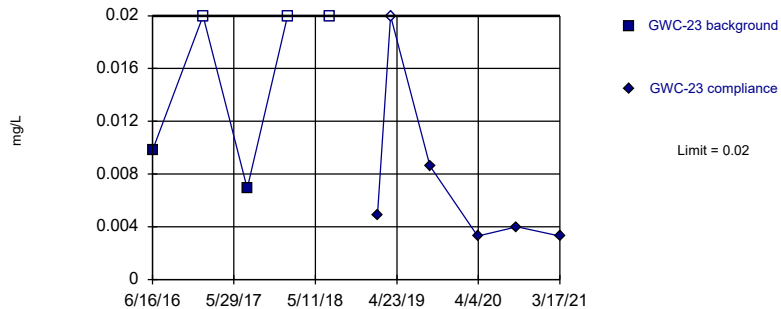


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00277, Std. Dev.=0.002548, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8057, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

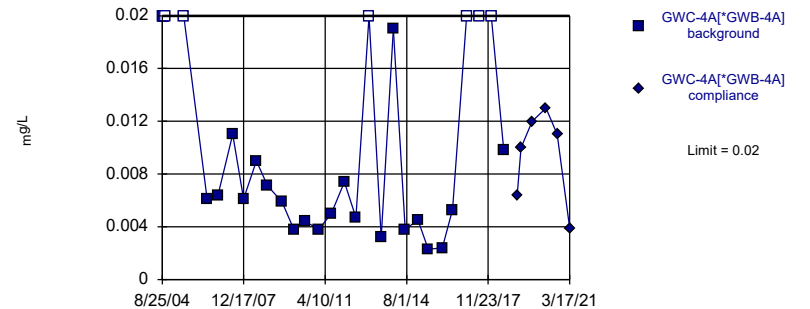


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

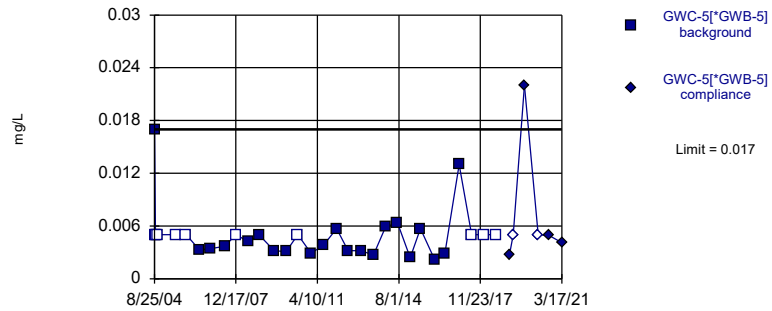


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 30% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 : UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

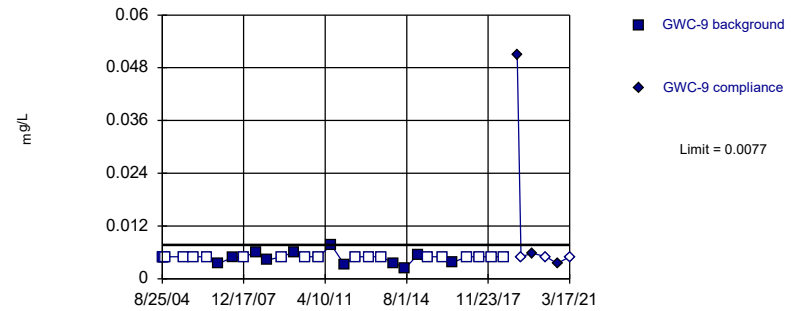


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 : UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 64.52% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 4/28/2021 3:30 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



# Prediction Limit

Constituent: Antimony Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-2	GWA-2	GWA-3	GWA-3
8/25/2004					<0.002		<0.002	
9/11/2004					<0.002		<0.002	
9/26/2004					<0.002		<0.002	
10/13/2004					<0.002		<0.002	
7/11/2005					<0.002		<0.002	
12/7/2005					<0.002		<0.002	
6/22/2006					<0.002		<0.002	
11/28/2006					<0.002		<0.002	
7/6/2007					<0.002		<0.002	
12/13/2007					<0.002		<0.002	
6/20/2008					<0.002		<0.002	
12/7/2008					<0.002		<0.002	
7/9/2009					<0.002		<0.002	
12/28/2009					<0.002		<0.002	
6/22/2010					<0.002		<0.002	
1/4/2011					<0.002			
1/5/2011							<0.002	
7/9/2011					<0.002		<0.002	
1/20/2012							<0.002	
1/21/2012					<0.002			
7/11/2012					<0.002		<0.002	
1/19/2013							<0.002	
1/20/2013					<0.002			
7/18/2013							<0.002	
7/19/2013					<0.002			
1/15/2014					<0.002		<0.002	
7/11/2014					<0.002 (D)		<0.002 (D)	
1/15/2015							<0.002	
1/16/2015					<0.002			
6/19/2015							<0.002	
6/20/2015					<0.002			
12/7/2015	<0.002		<0.002					
12/15/2015	<0.002		<0.002					
12/29/2015	<0.002		<0.002					
1/13/2016	<0.002		<0.002					
1/16/2016					<0.002		<0.002	
1/25/2016	<0.002		<0.002					
4/19/2016					<0.002		<0.002	
4/20/2016	<0.002		<0.002					
6/14/2016	<0.002		<0.002		<0.002		<0.002	
8/9/2016	<0.002		<0.002		<0.002		<0.002	
9/26/2016					<0.002			
9/27/2016	<0.002		<0.002				<0.002	
11/14/2016							<0.002	
11/15/2016	<0.002		<0.002		<0.002			
1/10/2017					<0.002		<0.002	
1/11/2017			<0.002					
1/12/2017	<0.002							
2/28/2017	<0.002		<0.002		<0.002		<0.002	
4/19/2017					<0.002		<0.002	
4/20/2017	<0.002		<0.002					
7/17/2017					<0.002			

# Prediction Limit

Constituent: Antimony Analysis Run 4/28/2021 3:44 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-2	GWA-2	GWA-3	GWA-3
7/18/2017	<0.002						0.0022 (J)	
7/19/2017			<0.002					
1/10/2018	<0.002				<0.002		<0.002	
1/11/2018			<0.002					
7/11/2018	<0.002		<0.002		<0.002		<0.002	
1/29/2019		<0.002		<0.002		<0.002		<0.002
3/26/2019		<0.002		<0.002				
3/27/2019						<0.002		<0.002
9/10/2019		0.00052 (J)		<0.002				
9/11/2019						<0.002		0.00081 (J)
3/31/2020		<0.002						
4/1/2020				<0.002		0.0004 (J)		<0.002
9/15/2020		<0.002		0.00039 (J)		<0.002		<0.002
3/16/2021		<0.002		<0.002		<0.002		<0.002

# Prediction Limit

Constituent: Antimony, Arsenic Analysis Run 4/28/2021 3:44 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18	GWC-18	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015			<0.001		<0.001		<0.001	
12/8/2015	<0.002							
12/14/2015	<0.002						<0.001	
12/15/2015			<0.001		<0.001			
12/28/2015	<0.002						<0.001	
12/29/2015			<0.001		<0.001			
1/13/2016			<0.001		<0.001		<0.001	
1/14/2016	<0.002							
1/25/2016			<0.001		<0.001		<0.001	
1/26/2016	<0.002							
4/19/2016	<0.002							
4/20/2016			<0.001		<0.001		<0.001	
6/14/2016			<0.001		<0.001			
6/15/2016							<0.001	
6/16/2016	0.00022 (J)							
8/9/2016			<0.001		<0.001		<0.001	
8/11/2016	<0.002							
9/27/2016			<0.001		<0.001		<0.001	
9/28/2016	<0.002							
11/15/2016			<0.001		<0.001		<0.001	
11/16/2016	<0.002							
1/11/2017	<0.002				<0.001		<0.001	
1/12/2017			<0.001					
2/28/2017			<0.001		<0.001			
3/1/2017	<0.002						<0.001	
4/20/2017			<0.001		<0.001		<0.001	
4/25/2017	<0.002							
7/18/2017			<0.001					
7/19/2017					<0.001		<0.001	
7/25/2017	<0.002							
1/10/2018			<0.001					
1/11/2018					<0.001		<0.001	
1/12/2018	<0.002							
7/11/2018	<0.002		<0.001		<0.001		<0.001	
1/29/2019				<0.001		<0.001		<0.001
1/30/2019		<0.002						
3/26/2019				<0.001		<0.001		<0.001
3/27/2019		<0.002						
9/10/2019				0.00076 (J)		0.00043 (J)		0.00036 (J)
9/11/2019		<0.002						
3/31/2020				<0.001				
4/1/2020		<0.002				<0.001		<0.001
9/15/2020		<0.002		<0.001		<0.001		<0.001
3/16/2021				<0.001		<0.001		<0.001
3/17/2021		<0.002						

# Prediction Limit

Constituent: Arsenic Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12
8/25/2004	<0.001		<0.0013		<0.005		<0.001	
9/11/2004	<0.001		<0.0013		<0.005		<0.001	
9/26/2004	<0.001		<0.0013		<0.005		<0.001	
10/13/2004	<0.001		<0.0013		<0.005		<0.001	
7/11/2005	<0.001		<0.0013		<0.005		<0.001	
12/7/2005	<0.001		<0.0013		<0.005		<0.001	
6/22/2006	<0.001		<0.0013		<0.005		<0.001	
11/28/2006	<0.001		<0.0013		<0.005		<0.001	
7/6/2007	<0.001		<0.0013		<0.005		<0.001	
12/13/2007	<0.001		<0.0013		<0.005		<0.001	
6/20/2008	<0.001		<0.0013		<0.005		<0.001	
12/7/2008	<0.001		<0.0013		<0.005		<0.001	
7/9/2009	<0.001							
7/10/2009			<0.0013		<0.005		<0.001	
12/28/2009	<0.001						<0.001	
12/29/2009			<0.0013		<0.005			
6/22/2010	<0.001		<0.0013		<0.005		<0.001	
1/4/2011			<0.0013				<0.001	
1/5/2011					<0.005			
7/9/2011	<0.001				<0.005		<0.001	
7/10/2011			<0.0013					
1/20/2012	<0.001						<0.001	
1/21/2012			<0.0013		<0.005			
7/11/2012	<0.001		<0.0013		<0.005		<0.001	
1/19/2013	<0.001				<0.005		<0.001	
1/20/2013			<0.0013					
7/18/2013	<0.001						<0.001	
7/19/2013			<0.0013		<0.005			
1/15/2014	<0.001				<0.005		<0.001	
1/16/2014			<0.0013					
7/10/2014			<0.0013					
7/11/2014	<0.001				<0.005		<0.001	
1/15/2015	<0.001						<0.001	
1/16/2015			<0.0013		<0.005			
6/19/2015	<0.001						<0.001	
6/20/2015			<0.0013		<0.005			
1/14/2016					<0.005			
1/16/2016	<0.001		<0.0013				<0.001	
4/19/2016	<0.001							
4/20/2016					0.00117 (J)		<0.001	
4/21/2016			<0.0013					
6/14/2016	<0.001							
6/15/2016					0.0013 (J)		<0.001	
6/16/2016			0.0004 (J)					
8/9/2016	<0.001							
8/10/2016			<0.0013		0.0013		<0.001	
9/27/2016	<0.001		<0.0013		0.0011 (J)		<0.001	
11/14/2016	<0.001							
11/15/2016			<0.0013		0.001 (J)		<0.001	
1/10/2017	<0.001							
1/12/2017			0.00077 (J)		0.0016		0.00062 (J)	
2/28/2017	0.00061 (J)							

# Prediction Limit

Constituent: Arsenic Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12
3/1/2017			<0.0013		0.00092 (J)		<0.001	
4/19/2017	0.00069 (J)							
4/20/2017							<0.001	
4/24/2017			<0.0013		0.0011 (J)			
7/18/2017	<0.001							
7/20/2017							0.00053 (J)	
7/24/2017			<0.0013		0.00086 (J)			
1/10/2018	<0.001							
1/11/2018			0.00046 (J)		0.0012 (J)		<0.001	
7/11/2018	<0.001							
7/12/2018			<0.0013		0.001 (J)		<0.001	
1/29/2019		<0.001						
1/30/2019				<0.0013		0.0015 (J)		<0.001
3/27/2019		0.0011		0.0013		0.0013		0.0011
9/11/2019		<0.001		0.00082 (J)		0.0017		0.00032 (J)
4/1/2020		<0.001		0.00055 (J)				<0.001
4/2/2020						0.0014		
9/15/2020		<0.001		0.00041 (J)		0.0011		
9/16/2020								<0.001
3/16/2021		<0.001		0.00069 (J)				<0.001
3/17/2021						0.0014		

# Prediction Limit

Constituent: Arsenic Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19
12/7/2015	<0.001							
12/8/2015			<0.001		<0.0013		<0.001	
12/14/2015			<0.001		<0.0013			
12/15/2015	<0.001						<0.001	
12/28/2015	<0.001		<0.001		<0.0013		<0.001	
1/13/2016	<0.001		<0.001					
1/14/2016					<0.0013		<0.001	
1/25/2016	<0.001							
1/26/2016			<0.001		<0.0013		<0.001	
4/19/2016					0.00112 (J)		<0.001	
4/20/2016			<0.001					
4/21/2016	<0.001							
6/15/2016	<0.001		0.00015 (J)					
6/16/2016					0.0011 (J)		0.00026 (J)	
8/9/2016	<0.001		<0.001					
8/10/2016							<0.001	
8/11/2016					0.001 (J)			
9/27/2016	<0.001		<0.001					
9/28/2016					0.00062 (J)		<0.001	
11/15/2016	<0.001		<0.001				<0.001	
11/16/2016					0.00046 (J)			
1/11/2017	<0.001		<0.001		0.00093 (J)			
1/16/2017							0.00067 (J)	
2/28/2017	<0.001							
3/1/2017			<0.001		0.0006 (J)		<0.001	
4/20/2017	<0.001		<0.001					
4/25/2017					0.0011 (J)		<0.001	
7/19/2017	0.00056 (J)		0.00047 (J)					
7/25/2017					0.001 (J)		<0.001	
1/11/2018	<0.001		<0.001					
1/12/2018					0.00095 (J)		<0.001	
7/11/2018	<0.001		<0.001		0.0007 (J)		<0.001	
1/29/2019		<0.001		<0.001				<0.001
1/30/2019						<0.0013		
3/26/2019		0.00075						
3/27/2019				0.00097		0.0019		<0.001
9/11/2019		0.00033 (J)		0.00038 (J)		0.0012		0.00057 (J)
4/1/2020		<0.001		<0.001		0.00067		<0.001
9/15/2020		<0.001		<0.001		0.00076 (J)		
9/16/2020								<0.001
3/16/2021				<0.001				<0.001
3/17/2021		<0.001				0.00072 (J)		

# Prediction Limit

Constituent: Arsenic Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]
8/25/2004							<0.001
9/11/2004							<0.001
9/26/2004							<0.001
10/13/2004							<0.001
7/11/2005							<0.001
12/7/2005							<0.001
6/22/2006							<0.001
11/28/2006							<0.001
7/6/2007							<0.001
12/13/2007							<0.001
6/20/2008							<0.001
12/7/2008							<0.001
7/9/2009							<0.001
12/30/2009							<0.001
6/22/2010							<0.001
1/4/2011							<0.001
7/10/2011							<0.001
1/21/2012							<0.001
7/11/2012							<0.001
1/20/2013							<0.001
7/19/2013							<0.001
1/16/2014							<0.001
7/10/2014							<0.001
1/16/2015							<0.001
6/20/2015							<0.001
12/9/2015	<0.001		<0.001				
12/14/2015	<0.001		<0.001				
12/29/2015	<0.001		0.0022 (J)				
1/14/2016	<0.001		0.002 (J)				<0.001
1/25/2016	<0.001		<0.001				
4/20/2016							<0.001
4/21/2016	<0.001		<0.001				
6/14/2016							0.00016 (J)
6/16/2016	0.00014 (J)		0.00046 (J)		0.00043 (J)		
8/10/2016	<0.001		<0.001		0.0021		
8/11/2016							0.00096 (J)
9/27/2016	<0.001		0.00084 (J)				0.0026
9/28/2016					0.0011 (J)		
11/14/2016							0.0017
11/15/2016	<0.001		<0.001				
11/16/2016					0.0011 (J)		
1/10/2017							0.0021
1/12/2017			<0.001				
1/13/2017	<0.001						
1/17/2017					0.00064 (J)		
2/28/2017							0.0027
3/1/2017	<0.001		<0.001				
3/2/2017					<0.001		
4/20/2017							0.0014
4/24/2017			<0.001				
4/25/2017	0.00046 (J)				0.0007 (J)		
7/13/2017					<0.001		

# Prediction Limit

Constituent: Arsenic Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]
7/18/2017							0.0012 (J)
7/25/2017	<0.001		<0.001		<0.001		
1/10/2018							0.00068 (J)
1/11/2018			<0.001				
1/12/2018	<0.001				<0.001		
7/11/2018	<0.001		<0.001				<0.001
7/12/2018					<0.001		
1/29/2019		<0.001					<0.001
1/30/2019				<0.001		<0.001	
3/26/2019							0.0005
3/27/2019		<0.001		0.00074		0.00079	
9/10/2019							0.00051 (J)
9/11/2019		0.00066 (J)		0.00064 (J)		0.00051 (J)	
3/31/2020							<0.001
4/1/2020		<0.001		<0.001		<0.001	
9/15/2020		<0.001		<0.001		<0.001	
9/16/2020							<0.001
3/16/2021		<0.001					
3/17/2021				<0.001		<0.001	<0.001



# Prediction Limit

Constituent: Arsenic, Barium Analysis Run 4/28/2021 3:44 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWA-13	GWA-13	GWA-14	GWA-14
8/25/2004	<0.001		<0.001					
9/11/2004	<0.001		<0.001					
9/26/2004	<0.001		<0.001					
10/13/2004	<0.001		<0.001					
7/11/2005	<0.001		<0.001					
12/7/2005	<0.001		<0.001					
6/22/2006	<0.001		<0.001					
11/28/2006	<0.001		<0.001					
7/6/2007	<0.001		<0.001					
12/13/2007	<0.001		<0.001					
6/20/2008	<0.001		<0.001					
12/7/2008	<0.001		<0.001					
7/9/2009	<0.001		<0.001					
12/29/2009	<0.001		<0.001					
6/22/2010	<0.001		<0.001					
1/4/2011	<0.001							
1/5/2011			<0.001					
7/9/2011	<0.001		<0.001					
1/21/2012	<0.001		<0.001					
7/11/2012	<0.001		<0.001					
1/19/2013	<0.001		<0.001					
7/18/2013	<0.001		<0.001					
1/15/2014	<0.001		<0.001					
7/10/2014	<0.001		<0.001					
1/15/2015	<0.001							
1/16/2015			<0.001					
6/19/2015	<0.001							
6/20/2015			<0.001					
12/7/2015					0.015		0.018	
12/15/2015					0.015		0.017	
12/29/2015					0.016		0.018	
1/13/2016					0.017		0.018	
1/14/2016	<0.001		<0.001					
1/25/2016					0.017		0.018	
4/19/2016			<0.001					
4/20/2016	<0.001				0.0144		0.0143	
6/14/2016	5E-05 (J)				0.015		0.012	
6/15/2016			<0.001					
8/9/2016	<0.001				0.013		0.011	
8/10/2016			<0.001					
9/27/2016	<0.001		<0.001		0.015		0.01	
11/15/2016	<0.001		<0.001		0.015		0.012	
1/11/2017	<0.001						0.011	
1/12/2017					0.012			
1/13/2017			0.00055 (J)					
1/19/2017	<0.001							
1/24/2017	0.0027							
2/28/2017	<0.001				0.016		0.011	
3/1/2017			<0.001					
4/20/2017	<0.001				0.015		0.011	
4/24/2017			<0.001					
7/18/2017	<0.001				0.015			

# Prediction Limit

Constituent: Arsenic, Barium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWA-13	GWA-13	GWA-14	GWA-14
7/19/2017							0.012	
7/24/2017			<0.001					
1/10/2018	<0.001				0.015			
1/11/2018							0.012	
1/12/2018			<0.001					
7/11/2018	<0.001				0.015		0.012	
7/12/2018			<0.001					
1/29/2019		<0.001				0.019		0.013
1/30/2019				<0.001				
3/26/2019		<0.001				0.016		0.012
3/27/2019				0.00073				
9/10/2019		0.00035 (J)				0.03		0.016
9/11/2019				0.00044 (J)				
3/31/2020		<0.001				0.015		
4/1/2020				<0.001				0.013
9/15/2020		<0.001				0.014		0.012
9/16/2020				<0.001				
3/16/2021						0.018		0.013
3/17/2021		<0.001		<0.001				

# Prediction Limit

Constituent: Barium    Analysis Run 4/28/2021 3:44 PM    View: EPD  
 Plant McIntosh    Client: Southern Company    Data: McIntosh LF4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1
8/25/2004					0.025			
9/11/2004					0.015			
9/26/2004					0.017			
10/13/2004					0.017			
7/11/2005					0.012			
12/7/2005					0.012			
6/22/2006					0.016			
11/28/2006					0.017			
12/13/2007					0.01			
6/20/2008					0.026			
7/9/2009					0.01			
12/28/2009					0.0091			
6/22/2010					0.011			
7/9/2011					0.035			
1/20/2012					0.021			
7/11/2012					0.009			
1/19/2013					0.01			
1/20/2013							0.027	
7/18/2013					0.014			
7/19/2013							0.037	
1/15/2014					0.016		0.032	
7/11/2014					0.016		0.034	
1/15/2015					0.014			
1/16/2015			0.021				0.032	
6/19/2015					0.013			
6/20/2015			0.031				0.037	
12/7/2015	0.027							
12/14/2015	0.028							
12/28/2015	0.029							
1/13/2016	0.028							
1/16/2016			0.031		0.021		0.051	
1/25/2016	0.027							
4/19/2016			0.0305		0.0217			
4/20/2016	0.0259						0.0554	
6/14/2016			0.03		0.024			
6/15/2016	0.024						0.046	
8/9/2016	0.023		0.032		0.023			
8/10/2016							0.042	
9/26/2016			0.031					
9/27/2016	0.021				0.016		0.042	
11/14/2016					0.014			
11/15/2016	0.023		0.033				0.042	
1/10/2017			0.031		0.015			
1/11/2017	0.021							
1/12/2017							0.046	
1/23/2017							0.023	
2/28/2017			0.033		0.017			
3/1/2017	0.022						0.048	
4/19/2017			0.032		0.013			
4/20/2017	0.022						0.046	
7/17/2017			0.033					
7/18/2017					0.012			

# Prediction Limit

Constituent: Barium Analysis Run 4/28/2021 3:44 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1
7/19/2017	0.024						0.045	
1/10/2018			0.034		0.016			
1/11/2018	0.022						0.046	
7/11/2018	0.023		0.035		0.015			
7/12/2018								0.045
1/29/2019		0.026		0.034		0.017		
1/30/2019								0.05
3/26/2019		0.023						
3/27/2019				0.03		0.014		0.045
9/10/2019		0.039						
9/11/2019				0.034		0.015		0.038
4/1/2020		0.022		0.037		0.014		0.041
9/15/2020		0.024		0.036		0.015		0.038
3/16/2021		0.025		0.035		0.015		0.039

# Prediction Limit

Constituent: Barium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]
8/25/2004	0.036		0.018		0.014			
9/11/2004	0.036		0.022		0.014			
9/26/2004	0.035		0.022		0.014			
10/13/2004	0.035		0.017		0.013			
7/11/2005	0.017		0.015		0.011			
12/7/2005	0.017		0.012		0.012			
6/22/2006	0.015		0.012		0.012			
11/28/2006	0.032		0.013		0.011			
7/6/2007	0.03		0.012		0.014			
12/13/2007	0.039		0.013		0.011			
6/20/2008	0.038		0.026		0.011			
12/7/2008	0.034				0.01			
7/10/2009	0.032		0.013		0.011			
12/28/2009					0.011			
12/29/2009	0.03		0.012					
6/22/2010	0.024		0.014		0.011			
1/4/2011	0.017				0.013			
1/5/2011			0.011					
7/9/2011			0.012		0.015			
7/10/2011	0.03							
1/20/2012					0.013			
1/21/2012	0.022		0.017					
7/11/2012	0.025		0.015		0.015			
1/19/2013			0.013		0.014			
1/20/2013	0.029							
7/18/2013					0.013			
7/19/2013	0.02		0.012					
1/15/2014			0.012		0.013			
1/16/2014	0.022							
7/10/2014	0.018							
7/11/2014			0.012		0.016			
1/15/2015					0.012			
1/16/2015	0.019		0.011					
6/19/2015					0.015			
6/20/2015	0.021		0.013					
12/7/2015							0.027	
12/15/2015							0.028	
12/28/2015							0.026	
1/13/2016							0.026	
1/14/2016			0.016					
1/16/2016	0.019				0.013			
1/25/2016							0.027	
4/20/2016			0.0113		0.0114			
4/21/2016	0.0178						0.0262	
6/15/2016			0.013		0.0095 (J)		0.024	
6/16/2016	0.022							
8/9/2016							0.023	
8/10/2016	0.015		0.01		0.0094			
9/27/2016	0.014		0.01		0.011		0.023	
11/15/2016	0.015		0.011		0.0096		0.023	
1/11/2017							0.022	
1/12/2017	0.015		0.01		0.01			

# Prediction Limit

Constituent: Barium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]
2/28/2017							0.023	
3/1/2017	0.017		0.011		0.011			
4/20/2017					0.01		0.024	
4/24/2017	0.014		0.01					
7/19/2017							0.025	
7/20/2017					0.011			
7/24/2017	0.015		0.0089					
1/11/2018	0.013		0.01		0.01		0.023	
7/11/2018							0.025	
7/12/2018	0.024		0.016		0.011			
1/29/2019								0.027
1/30/2019		0.023		0.014 (J)		0.011 (J)		
3/26/2019								0.028
3/27/2019		0.019		0.013		0.0099		
9/11/2019		0.021		0.011		0.01		0.023
4/1/2020		0.035				0.0097 (J)		0.026
4/2/2020				0.011				
9/15/2020		0.023		0.015				0.023
9/16/2020						0.011		
3/16/2021		0.019				0.01		
3/17/2021				0.016				0.028

# Prediction Limit

Constituent: Barium    Analysis Run 4/28/2021 3:44 PM    View: EPD  
 Plant McIntosh    Client: Southern Company    Data: McIntosh LF4 CCR

	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20
12/8/2015	0.021		0.053		0.057			
12/9/2015							0.039	
12/14/2015	0.021		0.049				0.045	
12/15/2015					0.052			
12/28/2015	0.02		0.048		0.041			
12/29/2015							0.045	
1/13/2016	0.019							
1/14/2016			0.048		0.038		0.034	
1/25/2016							0.038	
1/26/2016	0.019		0.044		0.034			
4/19/2016			0.0308		0.023			
4/20/2016	0.0188							
4/21/2016							0.0325	
6/15/2016	0.017							
6/16/2016			0.029		0.017		0.027	
8/9/2016	0.018							
8/10/2016					0.013		0.025	
8/11/2016			0.023					
9/27/2016	0.016						0.023	
9/28/2016			0.024		0.013			
11/15/2016	0.017				0.013		0.022	
11/16/2016			0.022					
1/11/2017	0.017		0.017					
1/13/2017							0.021	
1/16/2017					0.014			
3/1/2017	0.017		0.02		0.017		0.021	
4/20/2017	0.016							
4/25/2017			0.02		0.015		0.02	
7/19/2017	0.017							
7/25/2017			0.017		0.012		0.02	
1/11/2018	0.017							
1/12/2018			0.015		0.014		0.021	
7/11/2018	0.017		0.013		0.018		0.021	
1/29/2019		0.02				0.016		0.017
1/30/2019				0.02				
3/27/2019		0.017		0.014		0.013		0.018
9/11/2019		0.021		0.018		0.015		0.021
4/1/2020		0.019		0.013		0.013		0.016
9/15/2020		0.018		0.014				0.021
9/16/2020						0.012		
3/16/2021		0.017				0.0099 (J)		0.016
3/17/2021				0.013				





# Prediction Limit

Constituent: Barium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]
2/28/2017					0.021		0.042	
3/1/2017	0.015							
3/2/2017			0.067					
4/20/2017					0.019		0.04	
4/24/2017	0.015							
4/25/2017			0.049					
7/13/2017			0.04					
7/18/2017					0.018		0.04	
7/25/2017	0.015		0.038					
1/10/2018					0.021		0.048	
1/11/2018	0.016							
1/12/2018			0.037					
7/11/2018	0.017				0.029		0.044	
7/12/2018			0.037					
1/29/2019						0.025		0.05
1/30/2019		0.017		0.034				
3/26/2019						0.023		0.046
3/27/2019		0.016		0.027				
9/10/2019						0.026		0.044
9/11/2019		0.019		0.023				
3/31/2020						0.017		0.044
4/1/2020		0.018		0.024				
9/15/2020		0.021		0.024				0.041
9/16/2020						0.016		
3/17/2021		0.019		0.024		0.014		0.04

# Prediction Limit

Constituent: Barium, Beryllium Analysis Run 4/28/2021 3:44 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]
8/25/2004	0.029							
9/11/2004	0.031							
9/26/2004	0.03							
10/13/2004	0.024							
7/11/2005	0.022							
12/7/2005	0.032							
6/22/2006	0.026							
11/28/2006	0.02							
7/6/2007	0.018							
12/13/2007	0.017							
6/20/2008	0.018							
12/7/2008	0.016							
7/9/2009	0.019							
12/29/2009	0.02							
6/22/2010	0.022							
1/5/2011	0.021							
7/9/2011	0.021							
1/21/2012	0.021							
7/11/2012	0.021							
1/19/2013	0.024							
7/18/2013	0.024							
1/15/2014	0.022							
7/10/2014	0.023							
1/16/2015	0.015							
6/20/2015	0.024							
12/7/2015			<0.0025		<0.0025		<0.0025	
12/14/2015							<0.0025	
12/15/2015			<0.0025		<0.0025			
12/28/2015							<0.0025	
12/29/2015					<0.0025			
1/13/2016			<0.0025		<0.0025		<0.0025	
1/14/2016	0.026							
1/25/2016			<0.0025		<0.0025		<0.0025	
4/19/2016	0.0274							
4/20/2016			<0.0025		<0.0025		<0.0025	
6/14/2016			7.1E-05 (J)		4.4E-05 (J)			
6/15/2016	0.024						0.00011 (J)	
8/9/2016			<0.0025		<0.0025		<0.0025	
8/10/2016	0.031							
9/27/2016	0.029		<0.0025		<0.0025		<0.0025	
11/15/2016	0.029		<0.0025		<0.0025		<0.0025	
1/11/2017					<0.0025		<0.0025	
1/12/2017			<0.0025					
1/13/2017	0.025							
2/28/2017			<0.0025		<0.0025			
3/1/2017	0.03						<0.0025	
4/20/2017			<0.0025		<0.0025		<0.0025	
4/24/2017	0.024							
7/18/2017			<0.0025					
7/19/2017					<0.0025		<0.0025	
7/24/2017	0.026							
1/10/2018			<0.0025					

# Prediction Limit

Constituent: Barium, Beryllium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]
1/11/2018					<0.0025		<0.0025	
1/12/2018	0.027							
7/11/2018			<0.0025		<0.0025		<0.0025	
7/12/2018	0.031							
1/29/2019				<0.0025		<0.0025		<0.0025
1/30/2019		0.032						
3/26/2019				<0.0025		<0.0025		<0.0025
3/27/2019		0.023						
9/10/2019				0.0008 (J)		0.00025 (J)		0.00036 (J)
9/11/2019		0.029						
3/31/2020				<0.0025				
4/1/2020		0.021				<0.0025		<0.0025
9/15/2020				<0.0025		<0.0025		<0.0025
9/16/2020		0.033						
3/16/2021				0.0002 (J)		<0.0025		<0.0025
3/17/2021		0.041						

# Prediction Limit

Constituent: Beryllium    Analysis Run 4/28/2021 3:44 PM    View: EPD  
 Plant McIntosh    Client: Southern Company    Data: McIntosh LF4 CCR

	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1	GWC-10	GWC-10
8/25/2004	<0.0025		<0.0025		<0.0025		<0.0025	
9/11/2004	<0.0025		<0.0025		<0.0025		<0.0025	
9/26/2004	<0.0025		<0.0025		<0.0025		<0.0025	
10/13/2004	<0.0025		<0.0025				<0.0025	
7/11/2005	<0.0025		<0.0025		<0.0025		<0.0025	
12/7/2005	<0.0025		<0.0025		<0.0025		<0.0025	
6/22/2006	<0.0025		<0.0025		<0.0025		<0.0025	
11/28/2006	<0.0025		<0.0025		<0.0025		<0.0025	
7/6/2007	<0.0025		<0.0025		<0.0025		<0.0025	
12/13/2007	<0.0025		<0.0025		<0.0025		<0.0025	
6/20/2008	<0.0025		<0.0025		<0.0025		<0.0025	
12/7/2008	<0.0025		<0.0025		<0.0025		<0.0025	
7/9/2009	<0.0025		<0.0025		<0.0025			
7/10/2009							<0.0025	
12/28/2009	<0.0025		<0.0025		<0.0025			
12/29/2009							<0.0025	
6/22/2010	<0.0025		<0.0025		<0.0025		<0.0025	
1/4/2011	<0.0025				<0.0025		<0.0025	
1/5/2011			0.0018					
7/9/2011	<0.0025		<0.0025		<0.0025			
7/10/2011							<0.0025	
1/20/2012			<0.0025					
1/21/2012	<0.0025				<0.0025		<0.0025	
7/11/2012	<0.0025		<0.0025		<0.0025		<0.0025	
1/19/2013			<0.0025					
1/20/2013	<0.0025				<0.0025		<0.0025	
7/18/2013			<0.0025					
7/19/2013	<0.0025				<0.0025		<0.0025	
1/15/2014	0.00011 (J)		<0.0025		0.00016 (J)			
1/16/2014							<0.0025	
7/10/2014							<0.0025	
7/11/2014	0.0001 (J)		<0.0025		0.00018 (J)			
1/15/2015			<0.0025					
1/16/2015	<0.0025				0.00016 (J)		<0.0025	
6/19/2015			<0.0025					
6/20/2015	<0.0025				0.00017 (J)		0.00013 (J)	
1/16/2016	<0.0025		<0.0025		8E-05 (J)		<0.0025	
4/19/2016	<0.0025		<0.0025					
4/20/2016					<0.0025			
4/21/2016							<0.0025	
6/14/2016	6.5E-05 (J)		3.2E-05 (J)					
6/15/2016					0.00012 (J)			
6/16/2016							8.5E-05 (J)	
8/9/2016	<0.0025		<0.0025					
8/10/2016					<0.0025		<0.0025	
9/26/2016	<0.0025							
9/27/2016			<0.0025		<0.0025		<0.0025	
11/14/2016			<0.0025					
11/15/2016	<0.0025				<0.0025		<0.0025	
1/10/2017	<0.0025		<0.0025					
1/12/2017					<0.0025		<0.0025	
1/23/2017					<0.0025			

# Prediction Limit

Constituent: Beryllium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1	GWC-10	GWC-10
2/28/2017	<0.0025		<0.0025					
3/1/2017					<0.0025		<0.0025	
4/19/2017	<0.0025		<0.0025					
4/20/2017					<0.0025			
4/24/2017							<0.0025	
7/17/2017	<0.0025							
7/18/2017			<0.0025					
7/19/2017					<0.0025			
7/24/2017							<0.0025	
1/10/2018	<0.0025		<0.0025					
1/11/2018					<0.0025		<0.0025	
7/11/2018	<0.0025		<0.0025					
7/12/2018					<0.0025		<0.0025	
1/29/2019		6.3E-05 (J)		<0.0025				
1/30/2019						<0.0025		<0.0025
3/27/2019		<0.0025		<0.0025		<0.0025		<0.0025
9/11/2019		<0.0025		<0.0025		0.00021 (J)		<0.0025
4/1/2020		<0.0025		<0.0025		<0.0025		<0.0025
9/15/2020		0.00024 (J)		<0.0025		<0.0025		<0.0025
3/16/2021		<0.0025		<0.0025		0.00022 (J)		0.00033 (J)

# Prediction Limit

Constituent: Beryllium    Analysis Run 4/28/2021 3:44 PM    View: EPD  
 Plant McIntosh    Client: Southern Company    Data: McIntosh LF4 CCR

	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17
8/25/2004	<0.0025		<0.0025					
9/11/2004	<0.0025		<0.0025					
9/26/2004	<0.0025		<0.0025					
10/13/2004	<0.0025		<0.0025					
7/11/2005	<0.0025		<0.0025					
12/7/2005	<0.0025		<0.0025					
6/22/2006	<0.0025		<0.0025					
11/28/2006	<0.0025		<0.0025					
7/6/2007	<0.0025		<0.0025					
12/13/2007	<0.0025		<0.0025					
6/20/2008	<0.0025		<0.0025					
12/7/2008	<0.0025		<0.0025					
7/10/2009	<0.0025		<0.0025					
12/28/2009			<0.0025					
12/29/2009	<0.0025							
6/22/2010	<0.0025		<0.0025					
1/4/2011			<0.0025					
1/5/2011	<0.0025							
7/9/2011	<0.0025		<0.0025					
1/20/2012			<0.0025					
1/21/2012	<0.0025							
7/11/2012	<0.0025		<0.0025					
1/19/2013	<0.0025		<0.0025					
7/18/2013			<0.0025					
7/19/2013	<0.0025							
1/15/2014	<0.0025		0.00017 (J)					
7/11/2014	<0.0025		0.00024 (J)					
1/15/2015			0.00015 (J)					
1/16/2015	<0.0025							
6/19/2015			0.00016 (J)					
6/20/2015	<0.0025							
12/7/2015					<0.0025			
12/8/2015							0.00046 (J)	
12/14/2015							0.00052 (J)	
12/15/2015					<0.0025			
12/28/2015					<0.0025		0.00057 (J)	
1/13/2016					<0.0025		0.00056 (J)	
1/14/2016	<0.0025							
1/16/2016			0.00014 (J)					
1/25/2016					<0.0025			
1/26/2016							0.00057 (J)	
4/20/2016	<0.0025		<0.0025					
4/21/2016					<0.0025			
6/15/2016	<0.0025		0.00014 (J)		3.8E-05 (J)		0.00056 (J)	
8/9/2016					<0.0025		0.00054 (J)	
8/10/2016	<0.0025		<0.0025					
9/27/2016	<0.0025		<0.0025		<0.0025		0.00056 (J)	
11/15/2016	<0.0025		<0.0025		<0.0025		0.00047 (J)	
1/11/2017					<0.0025		0.00066 (J)	
1/12/2017	<0.0025		<0.0025					
2/28/2017					<0.0025			
3/1/2017	<0.0025		<0.0025				0.00066 (J)	

# Prediction Limit

Constituent: Beryllium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17
4/20/2017			<0.0025		<0.0025		0.00055 (J)	
4/24/2017	<0.0025							
7/19/2017					<0.0025		0.00061 (J)	
7/20/2017			<0.0025					
7/24/2017	<0.0025							
1/11/2018	<0.0025		<0.0025		<0.0025		0.00064 (J)	
7/11/2018					<0.0025		0.00065 (J)	
7/12/2018	<0.0025		<0.0025					
1/29/2019						<0.0025		0.00062 (J)
1/30/2019		<0.0025		<0.0025				
3/26/2019						<0.0025		
3/27/2019		<0.0025		<0.0025				0.00062
9/11/2019		<0.0025		0.00022 (J)		<0.0025		0.001
4/1/2020				<0.0025		<0.0025		0.00058 (J)
4/2/2020		0.00023 (J)						
9/15/2020		<0.0025				<0.0025		0.00063 (J)
9/16/2020				<0.0025				
3/16/2021				0.00037 (J)				0.00062 (J)
3/17/2021		0.00048 (J)				<0.0025		

# Prediction Limit

Constituent: Beryllium    Analysis Run 4/28/2021 3:44 PM    View: EPD  
 Plant McIntosh    Client: Southern Company    Data: McIntosh LF4 CCR

	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21
12/8/2015	<0.0025		0.00018 (J)					
12/9/2015					0.00026 (J)		<0.0025	
12/14/2015	<0.0025				0.00032 (J)		<0.0025	
12/15/2015			0.00014 (J)					
12/28/2015	<0.0025		9E-05 (J)					
12/29/2015					0.00043 (J)		<0.0025	
1/14/2016	<0.0025		0.0001 (J)		0.00032 (J)		<0.0025	
1/25/2016					0.00038 (J)		<0.0025	
1/26/2016	<0.0025		0.00011 (J)					
4/19/2016	<0.0025		<0.0025					
4/21/2016					<0.0025		<0.0025	
6/16/2016	<0.0025		0.00011 (J)		0.00032 (J)		<0.0025	
8/10/2016			<0.0025		<0.0025		<0.0025	
8/11/2016	<0.0025							
9/27/2016					<0.0025		0.00064 (J)	
9/28/2016	<0.0025		<0.0025					
11/15/2016			<0.0025		<0.0025		<0.0025	
11/16/2016	<0.0025							
1/11/2017	<0.0025							
1/12/2017							<0.0025	
1/13/2017					<0.0025			
1/16/2017			<0.0025					
3/1/2017	<0.0025		<0.0025		<0.0025		<0.0025	
4/24/2017							<0.0025	
4/25/2017	<0.0025		<0.0025		<0.0025			
7/25/2017	<0.0025		<0.0025		<0.0025		<0.0025	
1/11/2018							<0.0025	
1/12/2018	<0.0025		<0.0025		<0.0025			
7/11/2018	<0.0025		<0.0025		<0.0025		<0.0025	
1/29/2019				0.00023 (J)		0.00016 (J)		
1/30/2019		<0.0025						<0.0025
3/27/2019		<0.0025		<0.0025		<0.0025		<0.0025
9/11/2019		0.00026 (J)		0.00058 (J)		0.00052 (J)		0.00054 (J)
4/1/2020		<0.0025		<0.0025		<0.0025		<0.0025
9/15/2020		<0.0025				0.00025 (J)		<0.0025
9/16/2020				0.00022 (J)				
3/16/2021				0.00024 (J)		0.00022 (J)		
3/17/2021		<0.0025						<0.0025



# Prediction Limit

Constituent: Beryllium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9
8/25/2004			<0.0025		<0.0025		<0.0025	
9/11/2004			<0.0025		<0.0025		<0.0025	
9/26/2004			<0.0025		<0.0025		<0.0025	
10/13/2004			<0.0025		<0.0025		<0.0025	
7/11/2005			<0.0025		0.0011		<0.0025	
12/7/2005			<0.0025		<0.0025		<0.0025	
6/22/2006			<0.0025		<0.0025		<0.0025	
11/28/2006			<0.0025		<0.0025		<0.0025	
7/6/2007			<0.0025		<0.0025		<0.0025	
12/13/2007			<0.0025		<0.0025		<0.0025	
6/20/2008			<0.0025		<0.0025		<0.0025	
12/7/2008			<0.0025		<0.0025		<0.0025	
7/9/2009			<0.0025		<0.0025		<0.0025	
12/29/2009					<0.0025		<0.0025	
12/30/2009			<0.0025					
6/22/2010			<0.0025		<0.0025		<0.0025	
1/4/2011			<0.0025		<0.0025			
1/5/2011							<0.0025	
7/9/2011					<0.0025		<0.0025	
7/10/2011			<0.0025					
1/21/2012			<0.0025		<0.0025		<0.0025	
7/11/2012			<0.0025		<0.0025		<0.0025	
1/19/2013					<0.0025		<0.0025	
1/20/2013			<0.0025					
7/18/2013					<0.0025		<0.0025	
7/19/2013			<0.0025					
1/15/2014					<0.0025		<0.0025	
1/16/2014			<0.0025					
7/10/2014			0.0001 (J)		<0.0025		0.0001 (J)	
1/15/2015					<0.0025			
1/16/2015			<0.0025				<0.0025	
6/19/2015					0.00013 (J)			
6/20/2015			<0.0025				<0.0025	
1/14/2016			<0.0025		<0.0025		<0.0025	
4/19/2016							<0.0025	
4/20/2016			<0.0025		<0.0025			
6/14/2016			8.7E-05 (J)		5.4E-05 (J)			
6/15/2016							7.7E-05 (J)	
6/16/2016	<0.0025							
8/9/2016					<0.0025			
8/10/2016	<0.0025						<0.0025	
8/11/2016			<0.0025					
9/27/2016			<0.0025		<0.0025		<0.0025	
9/28/2016	<0.0025							
11/14/2016			<0.0025					
11/15/2016					<0.0025		<0.0025	
11/16/2016	<0.0025							
1/10/2017			<0.0025					
1/11/2017					<0.0025			
1/13/2017							<0.0025	
1/17/2017	<0.0025							
1/19/2017					<0.0025			

# Prediction Limit

Constituent: Beryllium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9
1/24/2017					<0.0025			
2/28/2017			<0.0025		<0.0025			
3/1/2017							<0.0025	
3/2/2017	<0.0025							
4/20/2017			<0.0025		<0.0025			
4/24/2017							<0.0025	
4/25/2017	<0.0025							
7/13/2017	<0.0025							
7/18/2017			<0.0025		<0.0025			
7/24/2017							<0.0025	
7/25/2017	<0.0025							
1/10/2018			<0.0025		<0.0025			
1/12/2018	<0.0025						<0.0025	
7/11/2018			<0.0025		<0.0025			
7/12/2018	<0.0025						<0.0025	
1/29/2019				0.00011 (J)		<0.0025		
1/30/2019		<0.0025						<0.0025
3/26/2019			<0.0025			<0.0025		
3/27/2019		<0.0025						<0.0025
9/10/2019				0.0006 (J)		<0.0025		
9/11/2019		0.00026 (J)						0.00021 (J)
3/31/2020			<0.0025			<0.0025		
4/1/2020		<0.0025						<0.0025
9/15/2020		<0.0025				<0.0025		
9/16/2020			<0.0025					<0.0025
3/17/2021		0.00018 (J)	<0.0025			<0.0025		0.00024 (J)

# Prediction Limit

Constituent: Cadmium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWC-17	GWC-17
12/7/2015	<0.0025		<0.0025		<0.0025			
12/8/2015							0.00049 (J)	
12/14/2015					<0.0025		0.00053 (J)	
12/15/2015	<0.0025		<0.0025					
12/28/2015					<0.0025		0.00061 (J)	
12/29/2015	<0.0025		<0.0025					
1/13/2016	<0.0025		<0.0025		<0.0025		0.00063 (J)	
1/25/2016	<0.0025		<0.0025		<0.0025			
1/26/2016							0.00072 (J)	
4/20/2016	<0.0025		<0.0025		<0.0025		0.000633 (J)	
6/14/2016	0.001		6.2E-05 (J)					
6/15/2016					<0.0025		0.00055 (J)	
8/9/2016	<0.0025		<0.0025		<0.0025		0.00046 (J)	
9/27/2016	<0.0025		<0.0025		<0.0025		0.00071 (J)	
11/15/2016	<0.0025		<0.0025		<0.0025		0.00056 (J)	
1/11/2017			<0.0025		<0.0025		0.0007 (J)	
1/12/2017	<0.0025							
2/28/2017	<0.0025		<0.0025					
3/1/2017					<0.0025		0.00063 (J)	
4/20/2017	<0.0025		<0.0025		<0.0025		0.00055 (J)	
7/18/2017	<0.0025							
7/19/2017			<0.0025		<0.0025		0.00072 (J)	
1/10/2018	<0.0025							
1/11/2018			<0.0025		<0.0025		0.00062 (J)	
7/11/2018	<0.0025		<0.0025		<0.0025		0.0004 (J)	
1/29/2019		<0.0025		<0.0025		<0.0025		0.00062 (J)
3/26/2019		<0.0025		<0.0025		<0.0025		
3/27/2019								0.00041
9/10/2019		0.00035 (J)		<0.0025		0.00015 (J)		
9/11/2019								0.00064 (J)
3/31/2020		<0.0025						
4/1/2020				<0.0025		<0.0025		0.00048 (J)
9/15/2020		<0.0025		<0.0025		<0.0025		0.00046 (J)
3/16/2021		<0.0025		<0.0025		<0.0025		0.00057 (J)

# Prediction Limit

Constituent: Cadmium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21
12/8/2015	<0.0025		<0.0025					
12/9/2015					<0.0025		<0.0025	
12/14/2015	<0.0025				0.00031 (J)		<0.0025	
12/15/2015			<0.0025					
12/28/2015	<0.0025		<0.0025					
12/29/2015					0.00075 (J)		<0.0025	
1/14/2016	<0.0025		<0.0025		0.00039 (J)		<0.0025	
1/25/2016					0.00078 (J)		<0.0025	
1/26/2016	<0.0025		<0.0025					
4/19/2016	<0.0025		0.00017 (J)					
4/21/2016					0.00052 (J)		<0.0025	
6/16/2016	8.5E-05 (J)		0.00018 (J)		0.00044 (J)		0.00012 (J)	
8/10/2016			<0.0025		<0.0025		<0.0025	
8/11/2016	<0.0025							
9/27/2016					<0.0025		0.00062 (J)	
9/28/2016	<0.0025		<0.0025					
11/15/2016			<0.0025		<0.0025		<0.0025	
11/16/2016	<0.0025							
1/11/2017	<0.0025							
1/12/2017							<0.0025	
1/13/2017					0.00036 (J)			
1/16/2017			<0.0025					
3/1/2017	<0.0025		<0.0025		<0.0025		<0.0025	
4/24/2017							<0.0025	
4/25/2017	<0.0025		<0.0025		<0.0025			
7/25/2017	<0.0025		<0.0025		<0.0025		<0.0025	
1/11/2018							<0.0025	
1/12/2018	<0.0025		<0.0025		<0.0025			
7/11/2018	<0.0025		<0.0025		<0.0025		<0.0025	
1/29/2019				0.0002 (J)		0.00016 (J)		
1/30/2019		<0.0025						0.00014 (J)
3/27/2019		<0.0025		<0.0025		<0.0025		<0.0025
9/11/2019		<0.0025		0.00031 (J)		0.00029 (J)		0.00029 (J)
4/1/2020		<0.0025		<0.0025		<0.0025		<0.0025
9/15/2020		<0.0025				<0.0025		<0.0025
9/16/2020				<0.0025				
3/16/2021				<0.0025		<0.0025		
3/17/2021		<0.0025						<0.0025

# Prediction Limit

Constituent: Cadmium, Chromium Analysis Run 4/28/2021 3:44 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-23	GWC-4A[GWB-4A]GWC-4A[GWB-4A]	GWA-13	GWA-13	GWA-14	GWA-14
8/25/2004			<0.0025				
9/11/2004			<0.0025				
9/26/2004			<0.0025				
10/13/2004			<0.0025				
7/11/2005			<0.0025				
12/7/2005			<0.0025				
6/22/2006			<0.0025				
11/28/2006			<0.0025				
7/6/2007			<0.0025				
12/13/2007			<0.0025				
6/20/2008			<0.0025				
12/7/2008			<0.0025				
7/9/2009			<0.0025				
12/30/2009			<0.0025				
6/22/2010			<0.0025				
1/4/2011			<0.0025				
7/10/2011			<0.0025				
1/21/2012			<0.0025				
7/11/2012			<0.0025				
1/20/2013			<0.0025				
7/19/2013			<0.0025				
1/16/2014			<0.0025				
7/10/2014			<0.0025				
1/16/2015			<0.0025				
6/20/2015			<0.0025				
12/7/2015				<0.002		<0.002	
12/15/2015				<0.002		<0.002	
12/29/2015				<0.002		<0.002	
1/14/2016			<0.0025				
1/25/2016				<0.002		<0.002	
4/20/2016			0.000111 (J)			<0.002	
6/14/2016			0.00013 (J)	0.0094 (J)		0.00086 (J)	
6/16/2016	<0.0025						
8/9/2016				<0.002		<0.002	
8/10/2016	<0.0025						
8/11/2016			<0.0025				
9/27/2016			<0.0025	<0.002		<0.002	
9/28/2016	<0.0025						
11/14/2016			<0.0025				
11/15/2016				<0.002		<0.002	
11/16/2016	<0.0025						
1/10/2017			<0.0025				
1/11/2017						<0.002	
1/12/2017				<0.002			
1/17/2017	<0.0025						
2/28/2017			<0.0025	0.0049		0.0047	
3/2/2017	<0.0025						
4/20/2017			<0.0025	0.0011 (J)		<0.002	
4/25/2017	<0.0025						
7/13/2017	<0.0025						
7/18/2017			<0.0025	<0.002			
7/19/2017						<0.002	

# Prediction Limit

Constituent: Cadmium, Chromium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWA-13	GWA-13	GWA-14	GWA-14
7/25/2017	<0.0025							
1/10/2018			<0.0025		<0.002			
1/11/2018							<0.002	
1/12/2018	<0.0025							
7/11/2018			<0.0025		<0.002		<0.002	
7/12/2018	<0.0025							
1/29/2019				<0.0025		0.0037 (J)		<0.002
1/30/2019		0.00015 (J)						
3/26/2019				<0.0025		0.0014		<0.002
3/27/2019		<0.0025						
9/10/2019				0.00019 (J)		0.0052		0.004
9/11/2019		0.00018 (J)						
3/31/2020				<0.0025		0.0019 (J)		
4/1/2020		<0.0025						<0.002
9/15/2020		<0.0025				<0.002		<0.002
9/16/2020				<0.0025				
3/16/2021						<0.002		<0.002
3/17/2021		<0.0025		<0.0025				



# Prediction Limit

Constituent: Chromium Analysis Run 4/28/2021 3:44 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1
4/19/2017			0.0011 (J)		0.0011 (J)			
4/20/2017	0.0013 (J)						<0.002	
7/17/2017			0.0011 (J)					
7/18/2017					<0.002			
7/19/2017	0.0015 (J)						0.0017 (J)	
1/10/2018			0.0014 (J)		0.0012 (J)			
1/11/2018	0.0013 (J)						<0.002	
7/11/2018	0.0012 (J)		0.0011 (J)		0.0011 (J)			
7/12/2018							<0.002	
1/29/2019		<0.0025		<0.0025		<0.002		
1/30/2019								<0.002
3/26/2019		0.0015						
3/27/2019				0.0016		0.0014		<0.002
9/10/2019		0.004						
9/11/2019				0.004		0.0034		0.0035
4/1/2020		0.024		0.0017 (J)		<0.002		<0.002
9/15/2020		0.0015 (J)		0.0015 (J)		<0.002		<0.002
3/16/2021		0.0017 (J)		0.0015 (J)		0.0015 (J)		<0.002





# Prediction Limit

Constituent: Chromium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]
3/1/2017	0.01		0.0088		0.0055			
4/20/2017					0.0016 (J)		0.0012 (J)	
4/24/2017	0.0053		0.0049					
7/19/2017							0.0013 (J)	
7/20/2017					0.0017 (J)			
7/24/2017	0.0055		0.0049					
1/11/2018	0.0055		0.0044		0.0016 (J)		0.0011 (J)	
7/11/2018							<0.002	
7/12/2018	0.0017 (J)		0.0023 (J)		0.0015 (J)			
1/29/2019								<0.002
1/30/2019		0.0071 (J)		0.006 (J)		0.0039 (J)		
3/26/2019								0.0016
3/27/2019		0.0035		0.0031		0.0019		
9/11/2019		0.004		0.0071		0.0036		0.0038
4/1/2020		0.0084				0.0019 (J)		0.0015 (J)
4/2/2020				0.0055				
9/15/2020		0.0018 (J)		0.0028				<0.002
9/16/2020						0.0016 (J)		
3/16/2021		0.0054				0.0019 (J)		
3/17/2021				0.0031				<0.002

# Prediction Limit

Constituent: Chromium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20
12/8/2015	<0.01		0.0012 (J)		0.0026			
12/9/2015							<0.002	
12/14/2015	<0.01		0.0018				<0.002	
12/15/2015					0.0017			
12/28/2015	<0.01		0.0017		0.0016			
12/29/2015							<0.002	
1/25/2016							<0.002	
1/26/2016	<0.01		0.0013		0.0016			
4/19/2016			0.00277 (J)		0.002			
4/20/2016	<0.01							
4/21/2016							<0.002	
6/15/2016	0.0018 (J)							
6/16/2016			0.0021 (J)		0.0016 (J)		0.0008 (J)	
8/9/2016	0.002 (J)							
8/10/2016					0.0016 (J)		<0.002	
8/11/2016			0.0023 (J)					
9/27/2016	0.0021 (J)						<0.002	
9/28/2016			0.0022 (J)		<0.0025			
11/15/2016	0.002 (J)				<0.0025		<0.002	
11/16/2016			0.0019 (J)					
1/11/2017	0.0025		0.0025					
1/13/2017							<0.002	
1/16/2017					0.0013 (J)			
3/1/2017	0.0067		0.0065		0.0056		0.005	
4/20/2017	0.0024 (J)							
4/25/2017			0.0026		0.0019 (J)		<0.002	
7/19/2017	0.0025							
7/25/2017			0.0023 (J)		0.0013 (J)		<0.002	
1/11/2018	0.0026							
1/12/2018			0.002 (J)		0.0017 (J)		<0.002	
7/11/2018	0.0025		0.0022 (J)		0.0011 (J)		<0.002	
1/29/2019		0.0041 (J)				<0.0025		<0.002
1/30/2019				0.0049 (J)				
3/27/2019		0.0028		0.0025		0.0014		<0.002
9/11/2019		0.0059		0.0049		0.0043		0.0034
4/1/2020		0.0032		0.0025		0.0018 (J)		<0.002
9/15/2020		0.0027		0.0025				<0.002
9/16/2020						0.0015 (J)		
3/16/2021		0.0031				0.0017 (J)		<0.002
3/17/2021				0.0027				

# Prediction Limit

Constituent: Chromium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004					0.0022			
9/11/2004					<0.002		<0.002	
9/26/2004					<0.002		<0.002	
10/13/2004					<0.002		<0.002	
7/11/2005					<0.002		0.0023	
12/7/2005					<0.002		<0.002	
6/22/2006					<0.002		<0.002	
11/28/2006					<0.002		<0.002	
7/6/2007					<0.002		<0.002	
12/13/2007					<0.002		<0.002	
6/20/2008					<0.002		<0.002	
12/7/2008					<0.002		<0.002	
7/9/2009					<0.002		<0.002	
12/29/2009							0.004	
12/30/2009					0.0078			
6/22/2010					<0.002		<0.002	
1/4/2011					0.0037		0.0027	
7/9/2011							<0.002	
7/10/2011					<0.002			
1/21/2012					<0.002		<0.002	
7/11/2012					0.0096		0.0038	
1/19/2013							0.002	
1/20/2013					0.0052			
7/18/2013							0.0023	
7/19/2013					0.002			
1/15/2014							0.0012 (J)	
1/16/2014					0.0061			
7/10/2014					<0.002		0.0012 (J)	
1/15/2015							<0.002	
1/16/2015					0.002			
6/19/2015							0.0037	
6/20/2015					0.0011 (J)			
12/9/2015	<0.002							
12/14/2015	<0.002							
12/29/2015	<0.002							
1/14/2016					0.0011 (J)		<0.002	
1/25/2016	<0.002							
4/20/2016					<0.002		<0.002	
4/21/2016	<0.002							
6/14/2016					0.0013 (J)		0.0011 (J)	
6/16/2016	0.00031 (J)		0.00023 (J)					
8/9/2016							<0.002	
8/10/2016	<0.002		<0.0025					
8/11/2016					<0.002			
9/27/2016					<0.002		<0.002	
9/28/2016			<0.0025					
11/14/2016					<0.002			
11/15/2016	<0.002						<0.002	
11/16/2016			<0.0025					
1/10/2017					<0.002			
1/11/2017							<0.002	
1/12/2017	<0.002							

# Prediction Limit

Constituent: Chromium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]
1/17/2017			<0.0025					
1/19/2017							0.002 (J)	
1/24/2017							<0.002	
2/28/2017					0.0048		0.0054	
3/1/2017	0.0044							
3/2/2017			0.0017 (J)					
4/20/2017					<0.002		0.0013 (J)	
4/24/2017	<0.002							
4/25/2017			<0.0025					
7/13/2017			<0.0025					
7/18/2017					<0.002		<0.002	
7/25/2017	<0.002		<0.0025					
1/10/2018					<0.002		<0.002	
1/11/2018	<0.002							
1/12/2018			<0.0025					
7/11/2018	<0.002				<0.002		<0.002	
7/12/2018			<0.0025					
1/29/2019						<0.002		<0.002
1/30/2019		<0.002		<0.0025				
3/26/2019						<0.002		<0.002
3/27/2019		<0.002		<0.0025				
9/10/2019						0.0031		0.0041
9/11/2019		0.0025		0.004				
3/31/2020						<0.002		<0.002
4/1/2020		<0.002		0.0022				
9/15/2020		<0.002		0.0023				<0.002
9/16/2020						<0.002		
3/17/2021		<0.002		0.0027		<0.002		<0.002

# Prediction Limit

Constituent: Chromium, Cobalt Analysis Run 4/28/2021 3:45 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]
8/25/2004	<0.002							
9/11/2004	<0.002							
9/26/2004	<0.002							
10/13/2004	<0.002							
7/11/2005	<0.002							
12/7/2005	<0.002							
6/22/2006	<0.002							
11/28/2006	<0.002							
7/6/2007	0.0017							
12/13/2007	0.0021							
6/20/2008	0.0021							
12/7/2008	0.0018							
7/9/2009	0.0024							
12/29/2009	0.0021							
6/22/2010	<0.002							
1/5/2011	0.0034							
7/9/2011	0.0018							
1/21/2012	<0.002							
7/11/2012	0.0038							
7/18/2013	0.0029							
1/15/2014	<0.002							
7/10/2014	<0.002							
1/16/2015	<0.002							
6/20/2015	<0.002							
12/7/2015			0.0012 (J)		0.001 (J)		0.0012 (J)	
12/14/2015							0.001 (J)	
12/15/2015			0.00099 (J)		0.00078 (J)			
12/28/2015							0.0012 (J)	
12/29/2015			0.0012 (J)		0.00094 (J)			
1/13/2016			0.0012 (J)		0.001 (J)		0.001 (J)	
1/14/2016	<0.002							
1/25/2016			0.00095 (J)		0.00085 (J)		0.00089 (J)	
4/19/2016	<0.002							
4/20/2016			<0.0025		<0.0025		<0.0025	
6/14/2016			0.00072 (J)		0.00048 (J)			
6/15/2016	0.00021						0.00063 (J)	
8/9/2016			0.00041 (J)		0.00045 (J)		0.00055 (J)	
8/10/2016	<0.002							
9/27/2016	<0.002		0.00058 (J)		0.00046 (J)		0.00059 (J)	
11/15/2016	<0.002		0.00048 (J)		<0.0025		0.0005 (J)	
1/11/2017					<0.0025		0.00044 (J)	
1/12/2017			0.0014 (J)					
1/13/2017	0.0012 (J)							
2/28/2017			0.00075 (J)		0.00051 (J)			
3/1/2017	0.0043						0.00066 (J)	
4/20/2017			0.0005 (J)		<0.0025		0.00045 (J)	
4/24/2017	<0.002							
7/18/2017			0.00051 (J)					
7/19/2017					<0.0025		0.00047 (J)	
7/24/2017	<0.002							
1/10/2018			0.00049 (J)					
1/11/2018					<0.0025		0.00043 (J)	

# Prediction Limit

Constituent: Chromium, Cobalt Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]
1/12/2018	<0.002							
7/11/2018			<0.0025		<0.0025		0.00043 (J)	
7/12/2018	<0.002							
1/29/2019				0.00043 (J)		0.00029 (J)		0.00044 (J)
1/30/2019		<0.002						
3/26/2019				<0.0025		<0.0025		<0.0025
3/27/2019		<0.002						
9/10/2019				0.00064		0.00042 (J)		0.0005
9/11/2019		0.0025						
3/31/2020				0.00034 (J)				
4/1/2020		<0.002				0.00033 (J)		0.00036 (J)
9/15/2020				<0.0025		<0.0025		<0.0025
9/16/2020		<0.002						
3/16/2021				0.0005 (J)		0.00035 (J)		0.00047 (J)
3/17/2021		<0.002						

# Prediction Limit

Constituent: Cobalt Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1	GWC-10	GWC-10
8/25/2004	<0.01		<0.0025		<0.0025		<0.0025	
9/11/2004	<0.01		<0.0025		<0.0025		<0.0025	
9/26/2004	<0.01		<0.0025		<0.0025		<0.0025	
10/13/2004	<0.01		<0.0025				<0.0025	
7/11/2005	<0.01		<0.0025		<0.0025		<0.0025	
12/7/2005	<0.01		<0.0025		<0.0025		<0.0025	
6/22/2006	<0.01		<0.0025		<0.0025		<0.0025	
11/28/2006	<0.01		<0.0025		<0.0025		<0.0025	
7/6/2007	<0.01		<0.0025		<0.0025		<0.0025	
12/13/2007	<0.01		<0.0025		<0.0025		<0.0025	
6/20/2008	<0.01		<0.0025		<0.0025		<0.0025	
12/7/2008	<0.01		<0.0025		<0.0025		<0.0025	
7/9/2009	<0.01		<0.0025		<0.0025			
7/10/2009							<0.0025	
12/28/2009	<0.01		<0.0025		<0.0025			
12/29/2009							<0.0025	
6/22/2010	<0.01		<0.0025		<0.0025		<0.0025	
1/4/2011	<0.01				<0.0025		<0.0025	
7/9/2011	<0.01		<0.0025		<0.0025			
7/10/2011							<0.0025	
1/20/2012			<0.0025					
1/21/2012	<0.01				<0.0025		<0.0025	
7/11/2012	0.0017		<0.0025		0.0013		<0.0025	
1/19/2013			<0.0025					
1/20/2013	<0.01				0.0013		<0.0025	
7/18/2013			<0.0025					
7/19/2013	<0.01				0.0015		<0.0025	
1/15/2014	0.0011 (J)		<0.0025		0.0017			
1/16/2014							<0.0025	
7/10/2014							<0.0025	
7/11/2014	0.0012 (J)		<0.0025		0.0018			
1/15/2015			<0.0025					
1/16/2015	0.00083 (J)				0.0019		<0.0025	
6/19/2015			<0.0025					
6/20/2015	0.0013				0.002		0.0006 (J)	
1/16/2016	0.0012 (J)		<0.0025		0.0015		<0.0025	
4/19/2016	<0.01		<0.0025					
4/20/2016					<0.0025			
4/21/2016							<0.0025	
6/14/2016	0.001 (J)		0.00044 (J)					
6/15/2016					0.0015 (J)			
6/16/2016							1E-05 (J)	
8/9/2016	0.0012 (J)		0.00042 (J)					
8/10/2016					0.0016 (J)		<0.0025	
9/26/2016	0.0012 (J)							
9/27/2016			0.00042 (J)		0.0016 (J)		<0.0025	
11/14/2016			<0.0025					
11/15/2016	0.0013 (J)				0.0015 (J)		<0.0025	
1/10/2017	0.0011 (J)		<0.0025					
1/12/2017					0.0016 (J)		<0.0025	
1/23/2017					<0.0025			
2/28/2017	0.0014 (J)		0.00048 (J)					



# Prediction Limit

Constituent: Cobalt Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1	GWC-10	GWC-10
3/1/2017					0.0021 (J)		<0.0025	
4/19/2017	0.0012 (J)		<0.0025					
4/20/2017					0.0018 (J)			
4/24/2017							<0.0025	
7/17/2017	0.0013 (J)							
7/18/2017			<0.0025					
7/19/2017					0.0015 (J)			
7/24/2017							<0.0025	
1/10/2018	0.0013 (J)		<0.0025					
1/11/2018					0.0019 (J)		<0.0025	
7/11/2018	0.0013 (J)		<0.0025					
7/12/2018					0.0018 (J)		<0.0025	
1/29/2019		0.001 (J)		0.00035 (J)				
1/30/2019						<0.0025		<0.0025
3/27/2019		0.0011		<0.0025		0.0017		<0.0025
9/11/2019		0.0015		0.00039 (J)		0.002		0.0001 (J)
4/1/2020		0.0013 (J)		0.00024 (J)		0.0016 (J)		<0.0025
9/15/2020		0.00099 (J)		<0.0025		0.0014 (J)		<0.0025
3/16/2021		0.0013 (J)		0.00033 (J)		0.0017 (J)		<0.0025

# Prediction Limit

Constituent: Cobalt Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17
8/25/2004	<0.0025		<0.0025					
9/11/2004	<0.0025		<0.0025					
9/26/2004	<0.0025		<0.0025					
10/13/2004	<0.0025		<0.0025					
7/11/2005	<0.0025		<0.0025					
12/7/2005	<0.0025		<0.0025					
6/22/2006	<0.0025		<0.0025					
11/28/2006	<0.0025		<0.0025					
7/6/2007	<0.0025		<0.0025					
12/13/2007	<0.0025		<0.0025					
6/20/2008	<0.0025		<0.0025					
12/7/2008	<0.0025		<0.0025					
7/10/2009	<0.0025		<0.0025					
12/28/2009			<0.0025					
12/29/2009	0.0071							
6/22/2010	<0.0025		<0.0025					
1/4/2011			<0.0025					
1/5/2011	<0.0025							
7/9/2011	0.0037		0.0039					
1/20/2012			<0.0025					
1/21/2012	0.0062							
7/11/2012	0.007		0.012					
1/19/2013	<0.0025		<0.0025					
7/18/2013			<0.0025					
7/19/2013	<0.0025							
1/15/2014	0.0028		0.005					
7/11/2014	<0.0025		0.00079 (J)					
1/15/2015			0.00069 (J)					
1/16/2015	0.0048							
6/19/2015			0.0007 (J)					
6/20/2015	<0.0025							
12/7/2015					0.0011 (J)			
12/8/2015							0.0018	
12/14/2015							0.0016	
12/15/2015					0.0011 (J)			
12/28/2015					0.0016		0.0015	
1/13/2016					0.0016		0.0013	
1/14/2016	<0.0025							
1/16/2016			0.00061 (J)					
1/25/2016					0.0014			
1/26/2016							0.0012 (J)	
4/20/2016	<0.0025		<0.0025				<0.0025	
4/21/2016					<0.0025			
6/15/2016	0.00011 (J)		0.00051 (J)		0.00047 (J)		0.00073 (J)	
8/9/2016					<0.0025		0.00069 (J)	
8/10/2016	<0.0025		0.00052 (J)					
9/27/2016	<0.0025		0.00077 (J)		0.00045 (J)		0.00081 (J)	
11/15/2016	<0.0025		0.00055 (J)		0.00048 (J)		0.00071 (J)	
1/11/2017					0.00046 (J)		0.00062 (J)	
1/12/2017	<0.0025		0.0005 (J)					
2/28/2017					0.00061 (J)			
3/1/2017	<0.0025		0.00079 (J)				0.00081 (J)	

# Prediction Limit

Constituent: Cobalt Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17
4/20/2017			0.00056 (J)		0.00042 (J)		0.00053 (J)	
4/24/2017	<0.0025							
7/19/2017					0.00041 (J)		0.00051 (J)	
7/20/2017			0.00051 (J)					
7/24/2017	<0.0025							
1/11/2018	<0.0025		0.0006 (J)		0.00044 (J)		0.00046 (J)	
7/11/2018					0.0004 (J)		<0.0025	
7/12/2018	<0.0025		0.00056 (J)					
1/29/2019						0.00037 (J)		0.00038 (J)
1/30/2019		<0.0025		<0.0025				
3/26/2019						<0.0025		
3/27/2019		<0.0025		0.00051				<0.0025
9/11/2019		<0.0025		0.00067		0.00044 (J)		0.00034 (J)
4/1/2020				0.00051 (J)		0.00036 (J)		0.00023 (J)
4/2/2020		<0.0025						
9/15/2020		<0.0025				<0.0025		<0.0025
9/16/2020				0.00023 (J)				
3/16/2021				0.00058 (J)				0.00027 (J)
3/17/2021		0.00016 (J)				0.0004 (J)		

# Prediction Limit

Constituent: Cobalt    Analysis Run 4/28/2021 3:45 PM    View: EPD  
 Plant McIntosh    Client: Southern Company    Data: McIntosh LF4 CCR

	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21
12/8/2015	<0.0025		0.00084 (J)					
12/9/2015					0.0055		0.0013	
12/14/2015	<0.0025				0.0073		0.0014	
12/15/2015			0.00063 (J)					
12/28/2015	<0.0025		0.00071 (J)					
12/29/2015					0.0076		0.0018	
1/14/2016	<0.0025		<0.0025		0.0056		0.0018	
1/25/2016					0.0061		0.0019	
1/26/2016	<0.0025		<0.0025					
4/19/2016	<0.0025		<0.0025					
4/21/2016					0.00468 (J)		<0.0025	
6/16/2016	0.00017 (J)		6.7E-05 (J)		0.0032 (J)		0.0021 (J)	
8/10/2016			<0.0025		0.0025		0.0015 (J)	
8/11/2016	<0.0025							
9/27/2016					0.0023 (J)			
9/28/2016	<0.0025		<0.0025					
11/15/2016			<0.0025		0.0019 (J)		0.0017 (J)	
11/16/2016	<0.0025							
1/11/2017	<0.0025							
1/12/2017							0.0014 (J)	
1/13/2017					0.0017 (J)			
1/16/2017			<0.0025					
3/1/2017	<0.0025		<0.0025		0.0021 (J)		0.0019 (J)	
4/24/2017							0.0015 (J)	
4/25/2017	<0.0025		<0.0025		0.0016 (J)			
7/25/2017	<0.0025		<0.0025		0.0016 (J)		0.0014 (J)	
1/11/2018							0.0013 (J)	
1/12/2018	<0.0025		<0.0025		0.0014 (J)			
7/11/2018	<0.0025		<0.0025		0.0013 (J)		0.0012 (J)	
1/29/2019				<0.0025		0.00084 (J)		
1/30/2019		<0.0025						<0.0025
3/27/2019		<0.0025		<0.0025		0.0012		0.001
9/11/2019		8.2E-05 (J)		9.9E-05 (J)		0.0014		0.0012
4/1/2020		<0.0025		<0.0025		0.00094 (J)		0.00088 (J)
9/15/2020		<0.0025				0.00097 (J)		0.00088 (J)
9/16/2020				<0.0025				
3/16/2021				<0.0025		0.0009 (J)		
3/17/2021		<0.0025						0.00092 (J)

# Prediction Limit

Constituent: Cobalt Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9
8/25/2004			<0.0025		<0.01		<0.0025	
9/11/2004			<0.0025		<0.01		<0.0025	
9/26/2004			<0.0025		<0.01		<0.0025	
10/13/2004			<0.0025		<0.01		<0.0025	
7/11/2005			<0.0025		<0.01		<0.0025	
12/7/2005			<0.0025		<0.01		<0.0025	
6/22/2006			<0.0025		<0.01		<0.0025	
11/28/2006			<0.0025		<0.01		<0.0025	
7/6/2007			<0.0025		<0.01		<0.0025	
12/13/2007			<0.0025		<0.01		<0.0025	
6/20/2008			<0.0025		<0.01		<0.0025	
12/7/2008			<0.0025		<0.01		<0.0025	
7/9/2009			<0.0025		<0.01		<0.0025	
12/29/2009					0.011		<0.0025	
12/30/2009			0.013					
6/22/2010			<0.0025		<0.01		<0.0025	
1/4/2011			<0.0025		<0.01			
1/5/2011							<0.0025	
7/9/2011					<0.01		<0.0025	
7/10/2011			<0.0025					
1/21/2012			0.0061		<0.01		<0.0025	
7/11/2012			0.01		0.0072		0.0013	
1/19/2013					<0.01		0.0055	
1/20/2013			0.0033					
7/18/2013					<0.01		<0.0025	
7/19/2013			<0.0025					
1/15/2014					0.00075 (J)		0.00052 (J)	
1/16/2014			0.0027					
7/10/2014			<0.0025		0.0007 (J)		0.00055 (J)	
1/15/2015					0.0007 (J)			
1/16/2015			0.0077				<0.0025	
6/19/2015					0.0011 (J)			
6/20/2015			<0.0025				0.00052 (J)	
1/14/2016			<0.0025		0.00064 (J)		0.00051 (J)	
4/19/2016							<0.0025	
4/20/2016			<0.0025		<0.01			
6/14/2016			0.0004 (J)		0.0006 (J)			
6/15/2016							0.00052 (J)	
6/16/2016	0.0019 (J)							
8/9/2016					0.00062 (J)			
8/10/2016	0.0051						0.0006 (J)	
8/11/2016			0.0046					
9/27/2016			0.001 (J)		0.00059 (J)		0.00063 (J)	
9/28/2016	0.0058							
11/14/2016			<0.0025					
11/15/2016					0.00064 (J)		0.00053 (J)	
11/16/2016	0.0063							
1/10/2017			0.00044 (J)					
1/11/2017					0.00064 (J)			
1/13/2017							0.00052 (J)	
1/17/2017	0.0057							
1/19/2017					0.00046 (J)			

# Prediction Limit

Constituent: Cobalt Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9
1/24/2017					0.009			
2/28/2017			0.001 (J)		0.00078 (J)			
3/1/2017							0.00084 (J)	
3/2/2017	0.0095							
4/20/2017			0.00059 (J)		0.00065 (J)			
4/24/2017							0.00055 (J)	
4/25/2017	0.0078							
7/13/2017	0.0061							
7/18/2017			0.00079 (J)		0.00069 (J)			
7/24/2017							0.00058 (J)	
7/25/2017	0.0074							
1/10/2018			0.0018 (J)		0.00068 (J)			
1/12/2018	0.0072						0.00054 (J)	
7/11/2018			0.0044		0.00071 (J)			
7/12/2018	0.0077						0.00072 (J)	
1/29/2019			0.0033			0.00064 (J)		
1/30/2019		0.0061						<-0.0025
3/26/2019			0.0037			0.00064		
3/27/2019		0.006						0.00051
9/10/2019			0.0031			0.00074		
9/11/2019		0.0059						0.00083
3/31/2020			0.0038			0.00067 (J)		
4/1/2020		0.0037						0.00042 (J)
9/15/2020		0.0032				0.0005 (J)		
9/16/2020			0.0014 (J)					0.00037 (J)
3/17/2021		0.0035	0.0014 (J)			0.00083 (J)		0.00092 (J)

# Prediction Limit

Constituent: Copper Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2
8/25/2004							<0.002	
9/11/2004							0.003	
9/26/2004							<0.002	
10/13/2004							<0.002	
7/11/2005							<0.002	
12/7/2005							<0.002	
6/22/2006							<0.002	
11/28/2006							<0.002	
7/6/2007							<0.002	
12/13/2007							<0.002	
6/20/2008							<0.002	
12/7/2008							<0.002	
7/9/2009							<0.002	
12/28/2009							<0.002	
6/22/2010							<0.002	
1/4/2011							<0.002	
7/9/2011							<0.002	
1/21/2012							<0.002	
7/11/2012							<0.002	
1/20/2013							<0.002	
7/19/2013							<0.002	
1/15/2014							<0.002	
7/11/2014							<0.002	
1/16/2015							<0.002	
6/20/2015							<0.002	
12/7/2015	<0.002		<0.002		0.001 (J)			
12/14/2015					<0.002			
12/15/2015	<0.002		<0.002					
12/28/2015					<0.002			
12/29/2015	<0.002		<0.002					
1/13/2016	<0.002		<0.002		<0.002			
1/16/2016							<0.002	
1/25/2016	<0.002		0.0014 (J)		0.00081 (J)			
6/14/2016	<0.002		<0.002				<0.002	
6/15/2016					<0.002			
1/10/2017							<0.002	
1/11/2017			<0.002		<0.002			
1/12/2017	<0.002							
7/17/2017							<0.002	
7/18/2017	<0.002							
7/19/2017			<0.002		<0.002			
1/10/2018	<0.002						<0.002	
1/11/2018			<0.002		<0.002			
7/11/2018	<0.002		<0.002		<0.002		<0.002	
1/29/2019		<0.002		<0.002		<0.002		<0.002
3/26/2019		<0.002		<0.002		<0.002		
3/27/2019								<0.002
9/10/2019		0.00066 (J)		0.00076 (J)		<0.002		
9/11/2019								<0.002
3/31/2020		<0.002						
4/1/2020				<0.002		<0.002		<0.002
9/15/2020		<0.002		<0.002		<0.002		<0.002

# Prediction Limit

Constituent: Copper Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2
3/16/2021		<0.002		<0.002		<0.002		<0.002



# Prediction Limit

Constituent: Copper Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3	GWC-1	GWC-1	GWC-11	GWC-11	GWC-12	GWC-12
8/25/2004	<0.002		<0.002		<0.002		<0.002	
9/11/2004	<0.002		<0.002		<0.002		<0.002	
9/26/2004	0.0029		<0.002		<0.002		<0.002	
10/13/2004	<0.002				<0.002		<0.002	
7/11/2005	<0.002		<0.002		<0.002		<0.002	
12/7/2005	<0.002		<0.002		<0.002		<0.002	
6/22/2006	0.0026		<0.002		<0.002		<0.002	
11/28/2006	<0.002		<0.002		0.0027		<0.002	
7/6/2007	0.0034		<0.002		<0.002		<0.002	
12/13/2007	<0.002		<0.002		<0.002		<0.002	
6/20/2008	<0.002		<0.002		<0.002		<0.002	
12/7/2008	<0.002		<0.002		<0.002		<0.002	
7/9/2009	<0.002		<0.002					
7/10/2009					<0.002		<0.002	
12/28/2009	<0.002		<0.002				<0.002	
12/29/2009					<0.002			
6/22/2010	<0.002		<0.002		<0.002		<0.002	
1/4/2011			<0.002				<0.002	
1/5/2011					<0.002			
7/9/2011	<0.002		<0.002		<0.002		<0.002	
1/20/2012	<0.002						<0.002	
1/21/2012			<0.002		<0.002			
7/11/2012	<0.002		<0.002		<0.002		<0.002	
1/19/2013	<0.002				<0.002		<0.002	
1/20/2013			<0.002					
7/18/2013	<0.002						<0.002	
7/19/2013			<0.002		<0.002			
1/15/2014	<0.002		<0.002		<0.002		<0.002	
7/11/2014	<0.002		<0.002		0.0014 (J)		<0.002	
1/15/2015	<0.002						<0.002	
1/16/2015			<0.002		<0.002			
6/19/2015	<0.002						<0.002	
6/20/2015			<0.002		<0.002			
1/14/2016					<0.002			
1/16/2016	<0.002		<0.002				<0.002	
6/14/2016	<0.002							
6/15/2016			<0.002		<0.002		<0.002	
1/10/2017	<0.002							
1/12/2017			<0.002		<0.002		<0.002	
7/18/2017	<0.002							
7/19/2017			<0.002					
7/20/2017							<0.002	
7/24/2017					<0.002			
1/10/2018	<0.002							
1/11/2018			<0.002		<0.002		<0.002	
7/11/2018	<0.002							
7/12/2018			<0.002		<0.002		<0.002	
1/29/2019		<0.002						
1/30/2019				<0.002		<0.002		<0.002
3/27/2019		<0.002		<0.002		<0.002		<0.002
9/11/2019		0.00092 (J)		0.001 (J)		<0.002		0.00069 (J)
4/1/2020		<0.002		<0.002				<0.002

# Prediction Limit

Constituent: Copper Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3	GWC-1	GWC-1	GWC-11	GWC-11	GWC-12	GWC-12
4/2/2020						0.0013 (J)		
9/15/2020		0.00095 (J)		<0.002		<0.002		
9/16/2020								<0.002
3/16/2021		<0.002		<0.002				<0.002
3/17/2021						0.0019 (J)		

# Prediction Limit

Constituent: Copper Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19
12/7/2015	0.00084 (J)							
12/8/2015			0.0021 (J)		<0.002		<0.002	
12/14/2015			0.0018 (J)		0.00096 (J)			
12/15/2015	<0.002						<0.002	
12/28/2015	<0.002		<0.002		<0.002		<0.002	
1/13/2016	<0.002		<0.002					
1/14/2016					<0.002		<0.002	
1/25/2016	<0.002							
1/26/2016			<0.002		<0.002		<0.002	
6/15/2016	<0.002		<0.002					
6/16/2016					0.00068 (J)		0.00024 (J)	
1/11/2017	<0.002		<0.002		<0.002			
1/16/2017							<0.002	
7/19/2017	<0.002		<0.002					
7/25/2017					<0.002		<0.002	
1/11/2018	<0.002		<0.002					
1/12/2018					<0.002		<0.002	
7/11/2018	<0.002		<0.002		<0.002		<0.002	
1/29/2019		<0.002		<0.002				<0.002
1/30/2019						0.0021 (J)		
3/26/2019		<0.002						
3/27/2019				<0.002		<0.002		<0.002
9/11/2019		<0.002		0.0012 (J)		0.0011 (J)		0.00085 (J)
4/1/2020		<0.002		<0.002		<0.002		<0.002
9/15/2020		<0.002		<0.002		<0.002		
9/16/2020								<0.002
3/16/2021				<0.002				<0.002
3/17/2021		<0.002				0.001 (J)		

# Prediction Limit

Constituent: Copper Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]
8/25/2004							0.0023
9/11/2004							<0.0025
9/26/2004							<0.0025
10/13/2004							<0.0025
7/11/2005							<0.0025
12/7/2005							<0.0025
6/22/2006							<0.0025
11/28/2006							<0.0025
7/6/2007							<0.0025
12/13/2007							<0.0025
6/20/2008							<0.0025
12/7/2008							<0.0025
7/9/2009							<0.0025
12/30/2009							<0.0025
6/22/2010							<0.0025
1/4/2011							<0.0025
7/10/2011							<0.0025
1/21/2012							<0.0025
7/11/2012							<0.0025
1/20/2013							<0.0025
7/19/2013							<0.0025
1/16/2014							<0.0025
7/10/2014							<0.0025
1/16/2015							<0.0025
6/20/2015							<0.0025
12/9/2015	<0.002		<0.002				
12/14/2015	<0.002		<0.002				
12/29/2015	<0.002		0.00082 (J)				
1/14/2016	<0.002						<0.0025
1/25/2016	<0.002		<0.002				
6/14/2016							<0.0025
6/16/2016	0.00032 (J)		0.00042 (J)		0.0011 (J)		
1/10/2017							<0.0025
1/12/2017			<0.002				
1/13/2017	<0.002						
1/17/2017					<0.002		
7/18/2017							<0.0025
7/25/2017	<0.002		<0.002		<0.002		
1/10/2018							<0.0025
1/11/2018			<0.002				
1/12/2018	<0.002				<0.002		
7/11/2018	<0.002		<0.002				<0.0025
7/12/2018					<0.002		
1/29/2019		<0.002					<0.0025
1/30/2019				<0.002		<0.002	
3/26/2019							0.0021
3/27/2019		<0.002		<0.002		<0.002	
9/10/2019							0.0016 (J)
9/11/2019		0.0012 (J)		0.00066 (J)		0.00092 (J)	
3/31/2020							0.0051
4/1/2020		<0.002		<0.002		<0.002	
9/15/2020		<0.002		<0.002		<0.002	

# Prediction Limit

Constituent: Copper Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]
9/16/2020							0.00079 (J)
3/16/2021		<0.002					
3/17/2021				<0.002		<0.002	0.0012 (J)

# Prediction Limit

Constituent: Copper, Lead Analysis Run 4/28/2021 3:45 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWA-13	GWA-13	GWA-14	GWA-14
8/25/2004	<0.002		<0.002					
9/11/2004	<0.002		<0.002					
9/26/2004	<0.002		0.0021					
10/13/2004	<0.002		<0.002					
7/11/2005	<0.002		<0.002					
12/7/2005	<0.002		<0.002					
6/22/2006	<0.002		<0.002					
11/28/2006	<0.002		<0.002					
7/6/2007	<0.002		<0.002					
12/13/2007	<0.002		<0.002					
6/20/2008	<0.002		<0.002					
12/7/2008	<0.002		<0.002					
7/9/2009	<0.002		<0.002					
12/29/2009	<0.002		<0.002					
6/22/2010	<0.002		<0.002					
1/4/2011	<0.002							
1/5/2011			<0.002					
7/9/2011	<0.002		<0.002					
1/21/2012	<0.002		<0.002					
7/11/2012	<0.002		<0.002					
1/19/2013	<0.002		<0.002					
7/18/2013	<0.002		<0.002					
1/15/2014	<0.002		<0.002					
7/10/2014	<0.002		<0.002					
1/15/2015	<0.002							
1/16/2015			<0.002					
6/19/2015	<0.002							
6/20/2015			<0.002					
12/7/2015					<0.001		<0.001	
12/15/2015					<0.001		<0.001	
12/29/2015					<0.001		<0.001	
1/13/2016					<0.001		<0.001	
1/14/2016	0.00084 (J)		<0.002					
1/25/2016					<0.001		<0.001	
4/20/2016					<0.001		<0.001	
6/14/2016	0.0021 (J)				<0.001		<0.001	
6/15/2016			<0.002					
8/9/2016					<0.001		<0.001	
9/27/2016					<0.001		<0.001	
11/15/2016					<0.001		<0.001	
1/11/2017	<0.002						<0.001	
1/12/2017					<0.001			
1/13/2017			<0.002					
2/28/2017					<0.001		<0.001	
4/20/2017					<0.001		<0.001	
7/18/2017	<0.002				<0.001			
7/19/2017							<0.001	
7/24/2017			<0.002					
1/10/2018	<0.002				<0.001			
1/11/2018							<0.001	
1/12/2018			<0.002					
7/11/2018	<0.002				<0.001		<0.001	

# Prediction Limit

Constituent: Copper, Lead Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWA-13	GWA-13	GWA-14	GWA-14
7/12/2018			<0.002					
1/29/2019		<0.002				<0.001		<0.001
1/30/2019				0.002 (J)				
3/26/2019		<0.002				<0.001		<0.001
3/27/2019				<0.002				
9/10/2019		<0.002				0.00058 (J)		0.00013 (J)
9/11/2019				0.00092 (J)				
3/31/2020		<0.002				<0.001		
4/1/2020				<0.002				<0.001
9/15/2020		<0.002				<0.001		<0.001
9/16/2020				<0.002				
3/16/2021						<0.001		<0.001
3/17/2021		<0.002		<0.002				

# Prediction Limit

Constituent: Lead Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWC-11	GWC-11	GWC-18	GWC-18	GWC-20	GWC-20
8/25/2004			<0.001					
9/11/2004			<0.001					
9/26/2004			<0.001					
10/13/2004			<0.001					
7/11/2005			<0.001					
12/7/2005			<0.001					
6/22/2006			<0.001					
11/28/2006			<0.001					
7/6/2007			<0.001					
12/13/2007			<0.001					
6/20/2008			<0.001					
12/7/2008			<0.001					
7/10/2009			<0.001					
12/29/2009			<0.001					
6/22/2010			<0.001					
1/5/2011			<0.001					
7/9/2011			<0.001					
1/21/2012			<0.001					
7/11/2012			<0.001					
1/19/2013			<0.001					
7/19/2013			<0.001					
1/15/2014			<0.001					
7/11/2014			<0.001					
1/16/2015			<0.001					
6/20/2015			<0.001					
12/7/2015	<0.001							
12/8/2015					<0.001			
12/9/2015							<0.001	
12/14/2015	<0.001				<0.001		<0.001	
12/28/2015	<0.001				<0.001			
12/29/2015							<0.001	
1/13/2016	<0.001							
1/14/2016			<0.001		<0.001		<0.001	
1/25/2016	<0.001						<0.001	
1/26/2016					<0.001			
4/19/2016					<0.001			
4/20/2016	<0.001		<0.001					
4/21/2016							<0.001	
6/15/2016	<0.001		0.0002 (J)					
6/16/2016					0.00015 (J)		<0.001	
8/9/2016	<0.001							
8/10/2016			<0.001				<0.001	
8/11/2016					<0.001			
9/27/2016	<0.001		<0.001				<0.001	
9/28/2016					<0.001			
11/15/2016	<0.001		<0.001				<0.001	
11/16/2016					<0.001			
1/11/2017	<0.001				<0.001			
1/12/2017			<0.001					
1/13/2017							<0.001	
3/1/2017	<0.001		<0.001		<0.001		<0.001	
4/20/2017	<0.001							



# Prediction Limit

Constituent: Lead Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWC-11	GWC-11	GWC-18	GWC-18	GWC-20	GWC-20
4/24/2017			0.00037 (J)					
4/25/2017					<0.001		<0.001	
7/19/2017	<0.001							
7/24/2017			<0.001					
7/25/2017					<0.001		<0.001	
1/11/2018	<0.001		<0.001					
1/12/2018					<0.001		<0.001	
7/11/2018	<0.001				<0.001		<0.001	
7/12/2018			<0.001					
1/29/2019		<0.001						<0.001
1/30/2019				<0.001		0.00067 (J)		
3/26/2019		<0.001						
3/27/2019				<0.001		<0.001		<0.001
9/10/2019		0.00013 (J)						
9/11/2019				<0.001		0.00017 (J)		0.00024 (J)
4/1/2020		<0.001				<0.001		<0.001
4/2/2020				0.00025 (J)				
9/15/2020		0.00024 (J)		<0.001		<0.001		<0.001
3/16/2021		<0.001						<0.001
3/17/2021				0.00031 (J)		0.00015 (J)		

# Prediction Limit

Constituent: Lead Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004					<0.001		<0.001	
9/11/2004					<0.001		<0.001	
9/26/2004					<0.001		<0.001	
10/13/2004					<0.001		<0.001	
7/11/2005					<0.001		<0.001	
12/7/2005					<0.001		<0.001	
6/22/2006					<0.001		<0.001	
11/28/2006					<0.001		<0.001	
7/6/2007					<0.001		<0.001	
12/13/2007					<0.001		<0.001	
6/20/2008					<0.001		<0.001	
12/7/2008					<0.001		<0.001	
7/9/2009					<0.001		<0.001	
12/29/2009							<0.001	
12/30/2009					<0.001			
6/22/2010					<0.001		<0.001	
1/4/2011					<0.001		<0.001	
7/9/2011							<0.001	
7/10/2011					<0.001			
1/21/2012					<0.001		<0.001	
7/11/2012					<0.001		<0.001	
1/19/2013							<0.001	
1/20/2013					<0.001			
7/18/2013							<0.001	
7/19/2013					<0.001			
1/15/2014							<0.001	
1/16/2014					<0.001			
7/10/2014					<0.001		<0.001	
1/15/2015							<0.001	
1/16/2015					<0.001			
6/19/2015							<0.001	
6/20/2015					<0.001			
12/9/2015	<0.001							
12/14/2015	<0.001							
12/29/2015	<0.001							
1/14/2016	<0.001				<0.001		<0.001	
1/25/2016	<0.001							
4/20/2016					<0.001		<0.001	
4/21/2016	<0.001							
6/14/2016					<0.001		0.00019 (J)	
6/16/2016	<0.001		<0.001					
8/9/2016							<0.001	
8/10/2016	<0.001		<0.001					
8/11/2016					<0.001			
9/27/2016	0.00079 (J)				<0.001		<0.001	
9/28/2016			<0.001					
11/14/2016					<0.001			
11/15/2016	<0.001						<0.001	
11/16/2016			<0.001					
1/10/2017					<0.001			
1/11/2017							<0.001	
1/12/2017	<0.001							

# Prediction Limit

Constituent: Lead Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]
1/17/2017			<0.001					
1/19/2017							0.001 (J)	
1/24/2017							<0.001	
2/28/2017					<0.001		<0.001	
3/1/2017	<0.001							
3/2/2017			<0.001					
4/20/2017					<0.001		0.00041 (J)	
4/24/2017	<0.001							
4/25/2017			<0.001					
7/13/2017			<0.001					
7/18/2017					<0.001		<0.001	
7/25/2017	<0.001		<0.001					
1/10/2018					<0.001		<0.001	
1/11/2018	<0.001							
1/12/2018			<0.001					
7/11/2018	<0.001				<0.001		<0.001	
7/12/2018			<0.001					
1/29/2019						<0.001		<0.001
1/30/2019		<0.001		0.00013 (J)				
3/26/2019						<0.001		<0.001
3/27/2019		<0.001		<0.001				
9/10/2019						0.00051 (J)		0.00074 (J)
9/11/2019		0.00021 (J)		0.00018 (J)				
3/31/2020						0.00024 (J)		<0.001
4/1/2020		<0.001		<0.001				
9/15/2020		<0.001		<0.001				<0.001
9/16/2020						<0.001		
3/17/2021		<0.001		<0.001		<0.001		<0.001

# Prediction Limit

Constituent: Nickel Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2
8/25/2004							<0.0025	
9/11/2004							<0.0025	
9/26/2004							<0.0025	
10/13/2004							<0.0025	
7/11/2005							<0.0025	
12/7/2005							<0.0025	
6/22/2006							<0.0025	
11/28/2006							<0.0025	
7/6/2007							<0.0025	
12/13/2007							<0.0025	
6/20/2008							<0.0025	
12/7/2008							<0.0025	
7/9/2009							0.0043	
12/28/2009							<0.0025	
6/22/2010							<0.0025	
1/4/2011							<0.0025	
7/9/2011							<0.0025	
1/21/2012							<0.0025	
7/11/2012							<0.0025	
1/20/2013							<0.0025	
7/19/2013							<0.0025	
1/15/2014							0.0016 (J)	
7/11/2014							<0.0025	
1/16/2015							<0.0025	
6/20/2015							<0.0025	
12/7/2015	<0.001		<0.0025		<0.001			
12/14/2015					<0.001			
12/15/2015	<0.001		<0.0025					
12/28/2015					<0.001			
12/29/2015	<0.001		<0.0025					
1/13/2016	<0.001		<0.0025		<0.001			
1/16/2016							<0.0025	
1/25/2016	<0.001		<0.0025		<0.001			
6/14/2016	<0.001		0.00052 (J)				0.0006 (J)	
6/15/2016					<0.001			
1/10/2017							<0.0025	
1/11/2017			<0.0025		<0.001			
1/12/2017	<0.001							
7/17/2017							<0.0025	
7/18/2017	<0.001							
7/19/2017			<0.0025		<0.001			
1/10/2018	<0.001						0.0026	
1/11/2018			<0.0025		<0.001			
7/11/2018	<0.001		<0.0025		<0.001		<0.0025	
1/29/2019		0.00033 (J)		0.0004 (J)		0.0004 (J)		0.00063 (J)
3/26/2019		<0.001		<0.0025		<0.001		
3/27/2019								<0.0025
9/10/2019		0.0004 (J)		0.00056 (J)		0.00036 (J)		
9/11/2019								0.00091 (J)
3/31/2020		<0.001						
4/1/2020				0.00043 (J)		<0.001		0.00077 (J)
9/15/2020		0.00037 (J)		0.00075 (J)		0.00045 (J)		0.00094 (J)

# Prediction Limit

Constituent: Nickel Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2
3/16/2021		<0.001		0.00045 (J)		0.00043 (J)		0.00072 (J)

# Prediction Limit

Constituent: Nickel Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3	GWC-1	GWC-1	GWC-10	GWC-10	GWC-11	GWC-11
8/25/2004	<0.001		<0.0025		<0.001		<0.0025	
9/11/2004			<0.0025		<0.001		<0.0025	
9/26/2004	<0.001		<0.0025		<0.001		<0.0025	
10/13/2004	<0.001				<0.001		<0.0025	
7/11/2005	<0.001		<0.0025		<0.001		<0.0025	
12/7/2005	<0.001		<0.0025		<0.001		<0.0025	
6/22/2006	<0.001		<0.0025		<0.001		<0.0025	
11/28/2006	<0.001		<0.0025		<0.001		<0.0025	
7/6/2007	<0.001		<0.0025		<0.001		<0.0025	
12/13/2007	<0.001		<0.0025		<0.001		<0.0025	
6/20/2008	<0.001		<0.0025		<0.001		<0.0025	
12/7/2008	<0.001		<0.0025		<0.001		<0.0025	
7/9/2009	<0.001		<0.0025					
7/10/2009					<0.001		<0.0025	
12/28/2009	<0.001		<0.0025					
12/29/2009					<0.001		<0.0025	
6/22/2010	<0.001		<0.0025		<0.001		<0.0025	
1/4/2011			<0.0025		<0.001			
1/5/2011							<0.0025	
7/9/2011	<0.001		<0.0025				<0.0025	
7/10/2011					<0.001			
1/20/2012	<0.001							
1/21/2012			<0.0025		<0.001		<0.0025	
7/11/2012	<0.001		<0.0025		<0.001		0.0049	
1/19/2013	<0.001						<0.0025	
1/20/2013			<0.0025		<0.001			
7/18/2013	<0.001							
7/19/2013			<0.0025		<0.001		<0.0025	
1/15/2014	<0.001		0.0013 (J)				<0.0025	
1/16/2014					<0.001			
7/10/2014					<0.001			
7/11/2014	<0.001		0.0013 (J)				0.0029	
1/15/2015	<0.001							
1/16/2015			<0.0025		<0.001		0.0014 (J)	
6/19/2015	<0.001							
6/20/2015			0.0016 (J)		0.0013 (J)		<0.0025	
1/14/2016							<0.0025	
1/16/2016	<0.001		<0.0025		<0.001			
6/14/2016	<0.001							
6/15/2016			0.00088 (J)				0.00085 (J)	
6/16/2016					<0.001			
1/10/2017	<0.001							
1/12/2017			<0.0025		<0.001		<0.0025	
7/18/2017	<0.001							
7/19/2017			<0.0025					
7/24/2017					<0.001		<0.0025	
1/10/2018	<0.001							
1/11/2018			<0.0025		<0.001		<0.0025	
7/11/2018	<0.001							
7/12/2018			<0.0025		<0.001		<0.0025	
1/29/2019		0.00034 (J)						
1/30/2019				<0.0025		<0.001		<0.0025



# Prediction Limit

Constituent: Nickel Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17	GWC-18	GWC-18
8/25/2004	<0.0025							
9/11/2004	<0.0025							
9/26/2004	<0.0025							
10/13/2004	<0.0025							
7/11/2005	<0.0025							
12/7/2005	<0.0025							
6/22/2006	<0.0025							
11/28/2006	<0.0025							
7/6/2007	<0.0025							
12/13/2007	<0.0025							
6/20/2008	<0.0025							
12/7/2008	<0.0025							
7/10/2009	<0.0025							
12/28/2009	<0.0025							
6/22/2010	<0.0025							
1/4/2011	<0.0025							
7/9/2011	<0.0025							
1/20/2012	<0.0025							
7/11/2012	0.0057							
1/19/2013	<0.0025							
7/18/2013	<0.0025							
1/15/2014	0.0043							
7/11/2014	0.0026							
1/15/2015	<0.0025							
6/19/2015	<0.0025							
12/7/2015			<0.001					
12/8/2015					0.0036		<0.0025	
12/14/2015					0.0035		0.0019 (J)	
12/15/2015			<0.001					
12/28/2015			<0.001		0.0032		0.0018 (J)	
1/13/2016			<0.001		0.0029			
1/14/2016							0.0017 (J)	
1/16/2016	<0.0025							
1/25/2016			<0.001					
1/26/2016					0.0027		0.0019 (J)	
6/15/2016	0.00068 (J)		<0.001		0.0018 (J)			
6/16/2016							0.0014 (J)	
1/11/2017			<0.001		0.002 (J)		<0.0025	
1/12/2017	<0.0025							
7/19/2017			<0.001		0.002 (J)			
7/20/2017	<0.0025							
7/25/2017							<0.0025	
1/11/2018	<0.0025		<0.001		0.0019 (J)			
1/12/2018							<0.0025	
7/11/2018			<0.001		<0.0025		<0.0025	
7/12/2018	<0.0025							
1/29/2019				0.00046 (J)		0.0016 (J)		
1/30/2019		<0.0025						<0.0025
3/26/2019				<0.001				
3/27/2019		<0.0025				0.0018		<0.0025
9/11/2019		0.001		0.00042 (J)		0.0018		0.0012
4/1/2020		0.0008 (J)		<0.001		0.0016		0.00095



# Prediction Limit

Constituent: Nickel Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17	GWC-18	GWC-18
9/15/2020				0.00047 (J)		0.0016		0.00092 (J)
9/16/2020		0.00088 (J)						
3/16/2021		0.00093 (J)				0.0015		
3/17/2021				0.00047 (J)				0.0011

# Prediction Limit

Constituent: Nickel Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23
12/8/2015	0.0022 (J)							
12/9/2015			0.0042		<0.0025			
12/14/2015			0.0067		<0.0025			
12/15/2015	0.0019 (J)							
12/28/2015	0.0017 (J)							
12/29/2015			0.0067		<0.0025			
1/14/2016	0.0029		0.0039		<0.0025			
1/25/2016			0.0049		<0.0025			
1/26/2016	0.0014 (J)							
6/16/2016	0.0013 (J)		0.003 (J)		0.0012 (J)		0.0009 (J)	
1/12/2017					<0.0025			
1/13/2017			<0.0025					
1/16/2017	0.0018 (J)							
1/17/2017							<0.0025	
7/25/2017	0.002 (J)		<0.0025		<0.0025		0.002 (J)	
1/11/2018					<0.0025			
1/12/2018	0.002 (J)		<0.0025				0.0023 (J)	
7/11/2018	0.0018 (J)		<0.0025		<0.0025			
7/12/2018							0.0026	
1/29/2019		0.0017 (J)		0.00093 (J)				
1/30/2019						<0.0025		<0.0025
3/27/2019		<0.0025		<0.0025		<0.0025		0.0018
9/11/2019		0.0018		0.0014		0.00097 (J)		0.0023
4/1/2020		0.0014		0.001		0.00067 (J)		0.0013
9/15/2020				0.0011		0.0007 (J)		0.0013
9/16/2020		0.0012						
3/16/2021		0.0012		0.00093 (J)				
3/17/2021						0.00068 (J)		0.0014

# Prediction Limit

Constituent: Nickel, Selenium Analysis Run 4/28/2021 3:45 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWA-13	GWA-13
8/25/2004	<0.0025		<0.001		<0.001			
9/11/2004	<0.0025		<0.001		<0.001			
9/26/2004	<0.0025		<0.001		<0.001			
10/13/2004	<0.0025		<0.001		<0.001			
7/11/2005	<0.0025		<0.001		<0.001			
12/7/2005	<0.0025		<0.001		<0.001			
6/22/2006	<0.0025		<0.001		<0.001			
11/28/2006	<0.0025		<0.001		<0.001			
7/6/2007	<0.0025		<0.001		<0.001			
12/13/2007	<0.0025		<0.001		<0.001			
6/20/2008	<0.0025		<0.001		0.003			
12/7/2008	<0.0025		<0.001		<0.001			
7/9/2009	<0.0025		<0.001		<0.001			
12/29/2009			<0.001		<0.001			
12/30/2009	0.0048							
6/22/2010	<0.0025		<0.001		<0.001			
1/4/2011	<0.0025		<0.001					
1/5/2011					<0.001			
7/9/2011			<0.001		<0.001			
7/10/2011	<0.0025							
1/21/2012	0.0026		<0.001		<0.001			
7/11/2012	0.0072		0.0031		0.0033			
1/19/2013			<0.001		0.0026			
1/20/2013	0.0025							
7/18/2013			<0.001		<0.001			
7/19/2013	<0.0025							
1/15/2014			<0.001		<0.001			
1/16/2014	0.0031							
7/10/2014	<0.0025		<0.001		<0.001			
1/15/2015			<0.001					
1/16/2015	0.0024 (J)				<0.001			
6/19/2015			<0.001					
6/20/2015	<0.0025				<0.001			
12/7/2015							<0.005	
12/15/2015							<0.005	
12/29/2015							<0.005	
1/13/2016							<0.005	
1/14/2016	<0.0025		<0.001		<0.001			
1/25/2016							<0.005	
4/20/2016							<0.005	
6/14/2016	0.0013 (J)		0.00054 (J)				<0.005	
6/15/2016					<0.001			
8/9/2016							<0.005	
9/27/2016							<0.005	
11/15/2016							<0.005	
1/10/2017	<0.0025							
1/11/2017			<0.001					
1/12/2017							<0.005	
1/13/2017					<0.001			
2/28/2017							<0.005	
4/20/2017							<0.005	
7/18/2017	<0.0025		<0.001				<0.005	

# Prediction Limit

Constituent: Nickel, Selenium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWA-13	GWA-13
7/24/2017					<0.001			
1/10/2018	<0.0025		<0.001				0.00025 (J)	
1/12/2018					<0.001			
7/11/2018	0.003		<0.001				<0.005	
7/12/2018					<0.001			
1/29/2019		0.0021 (J)		<0.001				<0.005
1/30/2019						<0.001		
3/26/2019		0.0021		<0.001				<0.005
3/27/2019						<0.001		
9/10/2019		0.002		0.00043 (J)				<0.005
9/11/2019						0.00065 (J)		
3/31/2020		0.0028		<0.001				<0.005
4/1/2020						<0.001		
9/15/2020				0.00056 (J)				<0.005
9/16/2020		0.00096 (J)				0.00075 (J)		
3/16/2021								<0.005
3/17/2021		0.00083 (J)		0.00041 (J)		0.0006 (J)		

# Prediction Limit

Constituent: Selenium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1
8/25/2004			<0.005		<0.005		<0.005	
9/11/2004			<0.005		<0.005		<0.005	
9/26/2004			<0.005		<0.005		<0.005	
10/13/2004			<0.005		<0.005			
7/11/2005			<0.005		<0.005		<0.005	
12/7/2005			<0.005		<0.005		<0.005	
6/22/2006			<0.005		<0.005		<0.005	
11/28/2006			<0.005		<0.005		<0.005	
7/6/2007			<0.005		<0.005		<0.005	
12/13/2007			<0.005		<0.005		<0.005	
6/20/2008			<0.005		<0.005		<0.005	
12/7/2008			<0.005		<0.005		<0.005	
7/9/2009			<0.005		<0.005		<0.005	
12/28/2009			<0.005		<0.005		<0.005	
6/22/2010			<0.005		<0.005		<0.005	
1/4/2011			<0.005				<0.005	
1/5/2011					<0.005			
7/9/2011			<0.005		<0.005		<0.005	
1/20/2012					<0.005			
1/21/2012			<0.005				<0.005	
7/11/2012			<0.005		<0.005		<0.005	
1/19/2013					<0.005			
1/20/2013			<0.005				<0.005	
7/18/2013					<0.005			
7/19/2013			<0.005				<0.005	
1/15/2014			<0.005		<0.005		<0.005	
7/11/2014			<0.005		<0.005		<0.005	
1/15/2015					<0.005			
1/16/2015			<0.005				<0.005	
6/19/2015					<0.005			
6/20/2015			<0.005				<0.005	
12/7/2015	<0.005							
12/14/2015	<0.005							
12/28/2015	<0.005							
1/13/2016	<0.005							
1/16/2016			<0.005		<0.005		<0.005	
1/25/2016	<0.005							
4/19/2016			<0.005		<0.005			
4/20/2016	<0.005						<0.005	
6/14/2016			<0.005		<0.005			
6/15/2016	<0.005						<0.005	
8/9/2016	<0.005		<0.005		<0.005			
8/10/2016							<0.005	
9/26/2016			<0.005					
9/27/2016	<0.005				0.00045 (J)		<0.005	
11/14/2016					<0.005			
11/15/2016	<0.005		<0.005				<0.005	
1/10/2017			<0.005		<0.005			
1/11/2017	<0.005							
1/12/2017							0.00035 (J)	
1/23/2017							<0.005	
2/28/2017			<0.005		0.0027			

# Prediction Limit

Constituent: Selenium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3	GWC-1	GWC-1
3/1/2017	<0.005						<0.005	
4/19/2017			0.00065 (J)		0.002			
4/20/2017	<0.005						<0.005	
7/17/2017			0.00047 (J)					
7/18/2017					0.0017			
7/19/2017	0.00025 (J)						0.00026 (J)	
1/10/2018			0.00052 (J)		0.00079 (J)			
1/11/2018	<0.005						<0.005	
7/11/2018	<0.005		<0.005		<0.005			
7/12/2018							<0.005	
1/29/2019		<0.005		<0.005		<0.005		
1/30/2019								<0.005
3/26/2019		<0.005						
3/27/2019				<0.005		<0.005		<0.005
9/10/2019		<0.005						
9/11/2019				<0.005		<0.005		<0.005
4/1/2020		<0.005		<0.005		<0.005		<0.005
9/15/2020		<0.005		<0.005		<0.005		<0.005
3/16/2021		<0.005		<0.005		<0.005		<0.005

# Prediction Limit

Constituent: Selenium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-18	GWC-18
8/25/2004	<0.005		<0.005					
9/11/2004	<0.005		<0.005					
9/26/2004	<0.005		<0.005					
10/13/2004	<0.005		<0.005					
7/11/2005	<0.005		<0.005					
12/7/2005	<0.005		<0.005					
6/22/2006	<0.005		<0.005					
11/28/2006	<0.005		<0.005					
7/6/2007	<0.005		<0.005					
12/13/2007	<0.005		<0.005					
6/20/2008	<0.005		<0.005					
12/7/2008	<0.005		<0.005					
7/10/2009	<0.005		<0.005					
12/29/2009	<0.005		<0.005					
6/22/2010	<0.005		<0.005					
1/4/2011	<0.005							
1/5/2011			<0.005					
7/9/2011			<0.005					
7/10/2011	<0.005							
1/21/2012	<0.005		<0.005					
7/11/2012	<0.005		<0.005					
1/19/2013			<0.005					
1/20/2013	<0.005							
7/19/2013	<0.005		<0.005					
1/15/2014			<0.005					
1/16/2014	<0.005							
7/10/2014	<0.005							
7/11/2014			<0.005					
1/16/2015	<0.005		<0.005					
6/20/2015	<0.005		<0.005					
12/7/2015					<0.005			
12/8/2015							<0.005	
12/14/2015							<0.005	
12/15/2015					<0.005			
12/28/2015					<0.005		<0.005	
1/13/2016					<0.005			
1/14/2016			<0.005				<0.005	
1/16/2016	<0.005							
1/25/2016					<0.005			
1/26/2016							<0.005	
4/19/2016							<0.005	
4/20/2016			<0.005					
4/21/2016	<0.005				<0.005			
6/15/2016			0.00052 (J)		<0.005			
6/16/2016	<0.005						<0.005	
8/9/2016					<0.005			
8/10/2016	0.00026 (J)		0.00053 (J)					
8/11/2016							<0.005	
9/27/2016	0.00024 (J)		0.00047 (J)		<0.005			
9/28/2016							<0.005	
11/15/2016	<0.005		<0.005		<0.005			
11/16/2016							<0.005	

# Prediction Limit

Constituent: Selenium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-18	GWC-18
1/11/2017					<0.005		<0.005	
1/12/2017	<0.005		0.00025 (J)					
2/28/2017					<0.005			
3/1/2017	<0.005		<0.005				<0.005	
4/20/2017					<0.005			
4/24/2017	<0.005		<0.005					
4/25/2017							<0.005	
7/19/2017					0.00071 (J)			
7/24/2017	<0.005		0.00032 (J)					
7/25/2017							<0.005	
1/11/2018	<0.005		<0.005		<0.005			
1/12/2018							<0.005	
7/11/2018					<0.005		0.00044 (J)	
7/12/2018	<0.005		0.00025 (J)					
1/29/2019						<0.005		
1/30/2019		<0.005		<0.005				<0.005
3/26/2019						<0.005		
3/27/2019		<0.005		<0.005				<0.005
9/11/2019		<0.005		<0.005		<0.005		<0.005
4/1/2020		<0.005				<0.005		<0.005
4/2/2020				<0.005				
9/15/2020		<0.005		<0.005		<0.005		<0.005
3/16/2021		<0.005						
3/17/2021				<0.005		<0.005		<0.005





# Prediction Limit

Constituent: Selenium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]
4/24/2017					<0.005		
4/25/2017	0.00052 (J)		0.0021				
7/18/2017							0.00026 (J)
7/25/2017	<0.005		<0.005		<0.005		
1/10/2018							0.00069 (J)
1/11/2018					<0.005		
1/12/2018	<0.005		<0.005				
7/11/2018	<0.005		<0.005		<0.005		<0.005
1/29/2019		<0.005		<0.005			<0.005
1/30/2019						<0.005	
3/26/2019							<0.005
3/27/2019		<0.005		<0.005		<0.005	
9/10/2019							<0.005
9/11/2019		<0.005		<0.005		<0.005	
3/31/2020							<0.005
4/1/2020		<0.005		<0.005		<0.005	
9/15/2020				<0.005		<0.005	
9/16/2020		<0.005					<0.005
3/16/2021		<0.005		<0.005			
3/17/2021						<0.005	<0.005

# Prediction Limit

Constituent: Selenium, Silver, Thallium Analysis Run 4/28/2021 3:45 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWC-11	GWC-11	GWA-13	GWA-13
8/25/2004	<0.005		<0.005		<0.001			
9/11/2004	<0.005		<0.005		<0.001			
9/26/2004	<0.005		<0.005		<0.001			
10/13/2004	<0.005		<0.005		<0.001			
7/11/2005	<0.005		0.0058		<0.001			
12/7/2005	<0.005		<0.005		<0.001			
6/22/2006	<0.005		<0.005		<0.001			
11/28/2006	<0.005		<0.005		<0.001			
7/6/2007	<0.005		<0.005		<0.001			
12/13/2007	<0.005		<0.005		<0.001			
6/20/2008	<0.005		<0.005		<0.001			
12/7/2008	<0.005		<0.005		<0.001			
7/9/2009	<0.005		<0.005					
7/10/2009					<0.001			
12/29/2009	<0.005		<0.005		<0.001			
6/22/2010	<0.005		<0.005		<0.001			
1/4/2011	<0.005							
1/5/2011			<0.005		<0.001			
7/9/2011	<0.005		<0.005		<0.001			
1/21/2012	<0.005		<0.005		<0.001			
7/11/2012	<0.005		<0.005		<0.001			
1/19/2013	<0.005		<0.005		<0.001			
7/18/2013	<0.005		<0.005					
7/19/2013					<0.001			
1/15/2014	<0.005		<0.005		<0.001			
7/10/2014	<0.005		<0.005					
7/11/2014					0.00061 (J)			
1/15/2015	<0.005							
1/16/2015			<0.005		<0.001			
6/19/2015	<0.005							
6/20/2015			<0.005		<0.001			
12/7/2015							<0.001	
12/15/2015							<0.001	
12/29/2015							0.0001 (J)	
1/13/2016							6E-05 (J)	
1/14/2016	<0.005		<0.005		<0.001			
1/25/2016							<0.001	
4/19/2016			<0.005					
4/20/2016	<0.005						<0.001	
6/14/2016	<0.005						<0.001	
6/15/2016			<0.005		<0.001			
8/9/2016	<0.005						<0.001	
8/10/2016			<0.005					
9/27/2016	<0.005		<0.005				<0.001	
11/15/2016	<0.005		<0.005				<0.001	
1/11/2017	<0.005							
1/12/2017					<0.001		<0.001	
1/13/2017			<0.005					
1/19/2017	0.0006 (J)							
2/28/2017	<0.005						<0.001	
3/1/2017			<0.005					
4/20/2017	<0.005						<0.001	

# Prediction Limit

Constituent: Selenium, Silver, Thallium Analysis Run 4/28/2021 3:45 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWC-11	GWC-11	GWA-13	GWA-13
4/24/2017			<0.005					
7/18/2017	<0.005						<0.001	
7/24/2017			<0.005		<0.001			
1/10/2018	<0.005						<0.001	
1/11/2018					<0.001			
1/12/2018			<0.005					
7/11/2018	<0.005						<0.001	
7/12/2018			<0.005		<0.001			
1/29/2019		<0.005						<0.001
1/30/2019				<0.005		<0.001		
3/26/2019		<0.005						<0.001
3/27/2019				<0.005		<0.001		
9/10/2019		<0.005						0.00057 (J)
9/11/2019				<0.005		<0.001		
3/31/2020		<0.005						<0.001
4/1/2020				<0.005				
4/2/2020						<0.001		
9/15/2020		<0.005				<0.001		<0.001
9/16/2020				<0.005				
3/16/2021								<0.001
3/17/2021		<0.005		<0.005		<0.001		

# Prediction Limit

Constituent: Thallium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3
8/25/2004					<0.001		<0.001	
9/11/2004					<0.001		<0.001	
9/26/2004					<0.001		<0.001	
10/13/2004					<0.001		<0.001	
7/11/2005					<0.001		<0.001	
12/7/2005					<0.001		<0.001	
6/22/2006					<0.001		<0.001	
11/28/2006					<0.001		<0.001	
7/6/2007					<0.001		<0.001	
12/13/2007					<0.001		<0.001	
6/20/2008					<0.001		<0.001	
12/7/2008					<0.001		<0.001	
7/9/2009					<0.001		<0.001	
12/28/2009					<0.001		<0.001	
6/22/2010					<0.001		<0.001	
1/4/2011					<0.001		<0.001	
7/9/2011					<0.001		<0.001	
1/20/2012							<0.001	
1/21/2012					<0.001			
7/11/2012					<0.001		<0.001	
1/19/2013							<0.001	
1/20/2013					<0.001			
7/18/2013							<0.001	
7/19/2013					<0.001			
1/15/2014					<0.001		<0.001	
6/19/2015							<0.001	
6/20/2015					<0.001			
12/7/2015	<0.001		<0.001					
12/14/2015			<0.001					
12/15/2015	<0.001							
12/28/2015			<0.001					
12/29/2015	<0.001							
1/13/2016	7.9E-05 (J)		<0.001					
1/16/2016					<0.001		<0.001	
1/25/2016	<0.001		<0.001					
4/19/2016					<0.001		<0.001	
4/20/2016	<0.001		<0.001					
6/14/2016	<0.001				<0.001		<0.001	
6/15/2016			<0.001					
8/9/2016	<0.001		<0.001		<0.001		<0.001	
9/26/2016					<0.001			
9/27/2016	<0.001		<0.001				<0.001	
11/14/2016							<0.001	
11/15/2016	<0.001		<0.001		<0.001			
1/10/2017					<0.001		<0.001	
1/11/2017	<0.001		<0.001					
2/28/2017	<0.001				<0.001		<0.001	
3/1/2017			<0.001					
4/19/2017					<0.001		<0.001	
4/20/2017	<0.001		<0.001					
7/17/2017					<0.001			
7/18/2017							<0.001	

# Prediction Limit

Constituent: Thallium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3
7/19/2017	<0.001		<0.001					
1/10/2018					<0.001		<0.001	
1/11/2018	<0.001		<0.001					
7/11/2018	<0.001		<0.001		<0.001		<0.001	
1/29/2019		<0.001		<0.001		<0.001		<0.001
3/26/2019		<0.001		<0.001				
3/27/2019						<0.001		<0.001
9/10/2019		0.00021 (J)		0.0002 (J)				
9/11/2019						<0.001		<0.001
4/1/2020		0.00018 (J)		<0.001		0.00017 (J)		<0.001
9/15/2020		<0.001		<0.001		0.00029 (J)		0.00017 (J)
3/16/2021		<0.001		<0.001		<0.001		<0.001

# Prediction Limit

Constituent: Thallium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12	GWC-17	GWC-17
8/25/2004	<0.001		<0.001		<0.001			
9/11/2004	<0.001		<0.001		<0.001			
9/26/2004	<0.001		<0.001		<0.001			
10/13/2004	<0.001		<0.001		<0.001			
7/11/2005	<0.001		<0.001		<0.001			
12/7/2005	<0.001		<0.001		<0.001			
6/22/2006	<0.001		<0.001		<0.001			
11/28/2006	<0.001		<0.001		<0.001			
7/6/2007	<0.001		<0.001		<0.001			
12/13/2007	<0.001		<0.001		<0.001			
6/20/2008	<0.001		<0.001		<0.001			
12/7/2008	<0.001		<0.001		<0.001			
7/10/2009	<0.001		<0.001		<0.001			
12/28/2009					<0.001			
12/29/2009	<0.001		<0.001					
6/22/2010	<0.001		<0.001		<0.001			
1/4/2011	<0.001				<0.001			
1/5/2011			<0.001					
7/9/2011	<0.001		<0.001		<0.001			
1/20/2012					<0.001			
1/21/2012	<0.001		<0.001					
7/11/2012	<0.001		<0.001		<0.001			
1/19/2013			<0.001		<0.001			
1/20/2013	<0.001							
7/18/2013	<0.001				<0.001			
7/19/2013			<0.001					
1/15/2014			<0.001		<0.001			
1/16/2014	<0.001							
6/19/2015					<0.001			
6/20/2015	<0.001		<0.001					
12/8/2015							0.0001 (J)	
12/14/2015							9E-05 (J)	
12/28/2015							9E-05 (J)	
1/13/2016							0.0001 (J)	
1/14/2016			6.1E-05 (J)					
1/16/2016	<0.001				<0.001			
1/26/2016							9.5E-05 (J)	
4/20/2016			<0.001		<0.001		<0.001	
4/21/2016	<0.001							
6/15/2016			<0.001		<0.001		3.8E-05 (J)	
6/16/2016	<0.001							
8/9/2016							<0.001	
8/10/2016	<0.001		<0.001		<0.001			
9/27/2016	<0.001		<0.001		<0.001		<0.001	
11/15/2016	<0.001		<0.001		<0.001		<0.001	
1/11/2017							<0.001	
1/12/2017	<0.001		<0.001		<0.001			
3/1/2017	<0.001		<0.001		<0.001		<0.001	
4/20/2017					<0.001		<0.001	
4/24/2017	<0.001		<0.001					
7/19/2017							<0.001	
7/20/2017					<0.001			

# Prediction Limit

Constituent: Thallium Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12	GWC-17	GWC-17
7/24/2017	<0.001		<0.001					
1/11/2018	<0.001		<0.001		<0.001		<0.001	
7/11/2018							<0.001	
7/12/2018	<0.001		<0.001		<0.001			
1/29/2019								<0.001
1/30/2019		<0.001		<0.001		<0.001		
3/27/2019		<0.001		<0.001		<0.001		<0.001
9/11/2019		0.0002 (J)		<0.001		0.00017 (J)		<0.001
4/1/2020		0.00031 (J)				<0.001		<0.001
4/2/2020				0.00028 (J)				
9/15/2020		<0.001		<0.001				<0.001
9/16/2020						<0.001		
3/16/2021		0.00037 (J)				0.00022 (J)		<0.001
3/17/2021				0.00047 (J)				



# Prediction Limit

Constituent: Thallium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21
12/8/2015	0.0001 (J)		<0.001					
12/9/2015					0.0001 (J)		<0.001	
12/14/2015	0.0001 (J)				9E-05 (J)		<0.001	
12/15/2015			<0.001					
12/28/2015	0.0001 (J)		<0.001					
12/29/2015					0.0001 (J)		<0.001	
1/14/2016	0.000137 (J)		7.9E-05 (J)		0.000118 (J)		<0.001	
1/25/2016					0.000102 (J)		<0.001	
1/26/2016	0.000142 (J)		<0.001					
4/19/2016	<0.001		<0.001					
4/21/2016					<0.001		<0.001	
6/16/2016	0.00013 (J)		<0.001		5.2E-05 (J)		2.7E-05 (J)	
8/10/2016			<0.001		<0.001		<0.001	
8/11/2016	0.00011 (J)							
9/27/2016					<0.001		0.00016 (J)	
9/28/2016	0.00012 (J)		<0.001					
11/15/2016			<0.001		<0.001		<0.001	
11/16/2016	<0.001							
1/11/2017	9.5E-05 (J)							
1/12/2017							<0.001	
1/13/2017					<0.001			
1/16/2017			<0.001					
3/1/2017	0.00011 (J)		<0.001		<0.001		<0.001	
4/24/2017							<0.001	
4/25/2017	0.00012 (J)		<0.001		<0.001			
7/25/2017	0.00011 (J)		<0.001		<0.001		<0.001	
1/11/2018							<0.001	
1/12/2018	0.00011 (J)		<0.001		<0.001			
7/11/2018	9.5E-05 (J)		<0.001		<0.001		<0.001	
1/29/2019				<0.001		<0.001		
1/30/2019		0.00012 (J)						<0.001
3/27/2019		<0.001		<0.001		<0.001		<0.001
9/11/2019		0.00018 (J)		0.00019 (J)		0.00034 (J)		0.00041 (J)
4/1/2020		<0.001		<0.001		<0.001		<0.001
9/15/2020		<0.001				<0.001		<0.001
9/16/2020				0.00026 (J)				
3/16/2021				<0.001		<0.001		
3/17/2021		0.00016 (J)						<0.001

# Prediction Limit

Constituent: Thallium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9
8/25/2004			<0.001		<0.001		<0.001	
9/11/2004			<0.001		<0.001		<0.001	
9/26/2004			<0.001		<0.001		<0.001	
10/13/2004			<0.001		<0.001		<0.001	
7/11/2005			<0.001		<0.001		<0.001	
12/7/2005			<0.001		<0.001		<0.001	
6/22/2006			<0.001		<0.001		<0.001	
11/28/2006			<0.001		<0.001		<0.001	
7/6/2007			<0.001		<0.001		<0.001	
12/13/2007			<0.001		<0.001		<0.001	
6/20/2008			<0.001		<0.001		<0.001	
12/7/2008			<0.001		<0.001		<0.001	
7/9/2009			<0.001		<0.001		<0.001	
12/29/2009					<0.001		<0.001	
12/30/2009			<0.001					
6/22/2010			<0.001		<0.001		<0.001	
1/4/2011			<0.001		<0.001			
1/5/2011							<0.001	
7/9/2011			<0.001		<0.001		<0.001	
1/21/2012			<0.001		<0.001		<0.001	
7/11/2012			<0.001		<0.001		<0.001	
1/19/2013					<0.001		<0.001	
1/20/2013			<0.001					
7/18/2013					<0.001		<0.001	
7/19/2013			<0.001					
1/15/2014					<0.001		<0.001	
1/16/2014			<0.001					
6/19/2015					<0.001			
6/20/2015			<0.001				<0.001	
1/14/2016			<0.001		<0.001		<0.001	
4/19/2016							<0.001	
4/20/2016			<0.001		<0.001			
6/14/2016			3.6E-05 (J)		<0.001			
6/15/2016							<0.001	
6/16/2016	<0.001							
8/9/2016					<0.001			
8/10/2016	<0.001						<0.001	
8/11/2016			<0.001					
9/27/2016			<0.001		<0.001		<0.001	
9/28/2016	<0.001							
11/14/2016			<0.001					
11/15/2016					<0.001		<0.001	
11/16/2016	<0.001							
1/10/2017			<0.001					
1/11/2017					<0.001			
1/13/2017							<0.001	
1/17/2017	<0.001							
1/19/2017					<0.001			
1/24/2017					0.00072			
2/28/2017			<0.001		<0.001			
3/1/2017							<0.001	
3/2/2017	<0.001							

# Prediction Limit

Constituent: Thallium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-23	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9
4/20/2017			<0.001		<0.001			
4/24/2017							<0.001	
4/25/2017	<0.001							
7/13/2017	<0.001							
7/18/2017			<0.001		<0.001			
7/24/2017							<0.001	
7/25/2017	9E-05 (J)							
1/10/2018			<0.001		<0.001			
1/12/2018	0.00011 (J)						<0.001	
7/11/2018			<0.001		<0.001			
7/12/2018	0.0001 (J)						<0.001	
1/29/2019				<0.001		<0.001		
1/30/2019		0.00016 (J)						<0.001
3/26/2019				<0.001		<0.001		
3/27/2019		0.00011						<0.001
9/10/2019				0.00033 (J)		<0.001		
9/11/2019		0.00034 (J)						0.00023 (J)
3/31/2020				<0.001		<0.001		
4/1/2020		<0.001						<0.001
9/15/2020		<0.001				<0.001		
9/16/2020				<0.001				<0.001
3/17/2021		<0.001		<0.001		<0.001		<0.001

# Prediction Limit

Constituent: Vanadium    Analysis Run 4/28/2021 3:45 PM    View: EPD  
 Plant McIntosh    Client: Southern Company    Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2
8/25/2004							<0.001	
9/11/2004							<0.001	
9/26/2004							<0.001	
10/13/2004							<0.001	
7/11/2005							<0.001	
12/7/2005							<0.001	
6/22/2006							<0.001	
11/28/2006							<0.001	
7/6/2007							<0.001	
12/13/2007							<0.001	
6/20/2008							<0.001	
12/7/2008							<0.001	
7/9/2009							<0.001	
12/28/2009							<0.001	
6/22/2010							<0.001	
1/4/2011							<0.001	
7/9/2011							<0.001	
1/21/2012							<0.001	
7/11/2012							0.0051	
1/20/2013							<0.001	
7/19/2013							<0.001	
1/15/2014							<0.001	
7/11/2014							<0.001	
1/16/2015							<0.001	
6/20/2015							<0.001	
12/7/2015	<0.001		<0.001		<0.001			
12/14/2015					<0.001			
12/15/2015	<0.001		<0.001					
12/28/2015					<0.001			
12/29/2015	<0.001		<0.001					
1/13/2016	<0.001		<0.001		<0.001			
1/16/2016							<0.001	
1/25/2016	<0.001		<0.001		<0.001			
6/14/2016	0.00055 (J)		0.00033 (J)				0.00044 (J)	
6/15/2016					0.00015 (J)			
1/10/2017							0.0014 (J)	
1/11/2017			<0.001		0.0015 (J)			
1/12/2017	0.0018 (J)							
7/17/2017							<0.001	
7/18/2017	<0.001							
7/19/2017			<0.001		<0.001			
1/10/2018	<0.001						<0.001	
1/11/2018			<0.001		<0.001			
7/11/2018	<0.001		<0.001		<0.001		<0.001	
1/29/2019		0.0018 (J)		<0.001		<0.001		<0.001
3/26/2019		<0.001		<0.001		0.0019		
3/27/2019								0.0019
9/10/2019		0.0027		0.002		0.0019		
9/11/2019								0.0014
3/31/2020		<0.001						
4/1/2020				<0.001		<0.001		<0.001
9/15/2020		<0.001		<0.001		<0.001		<0.001

# Prediction Limit

Constituent: Vanadium Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2
3/16/2021		<0.001		<0.001		<0.001		<0.001

# Prediction Limit

Constituent: Vanadium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3	GWC-1	GWC-1	GWC-10	GWC-10	GWC-11	GWC-11
8/25/2004	<0.001		<0.001		<0.001		<0.0025	
9/11/2004	<0.001		<0.001		<0.001		<0.0025	
9/26/2004	<0.001		<0.001		<0.001		<0.0025	
10/13/2004	<0.001				<0.001		<0.0025	
7/11/2005	<0.001		<0.001		<0.001		<0.0025	
12/7/2005	<0.001		<0.001		<0.001		<0.0025	
6/22/2006	<0.001		<0.001		<0.001		<0.0025	
11/28/2006	<0.001		<0.001		<0.001		<0.0025	
7/6/2007	0.0031		<0.001		<0.001		<0.0025	
12/13/2007	<0.001		<0.001		<0.001		<0.0025	
6/20/2008	0.005		<0.001		<0.001			
12/7/2008	<0.001		<0.001		<0.001		<0.0025	
7/9/2009	<0.001		<0.001					
7/10/2009					<0.001		<0.0025	
12/28/2009	<0.001		<0.001					
12/29/2009					<0.001		<0.0025	
6/22/2010	<0.001		<0.001		<0.001		0.0025	
1/4/2011			<0.001		<0.001			
1/5/2011							<0.0025	
7/9/2011	0.0033		0.0032				<0.0025	
7/10/2011					<0.001			
1/20/2012	<0.001							
1/21/2012			<0.001		<0.001		<0.0025	
7/11/2012	<0.001		<0.001		<0.001		<0.0025	
1/19/2013	<0.001						<0.0025	
1/20/2013			<0.001		<0.001			
7/18/2013	<0.001							
7/19/2013			<0.001		<0.001		<0.0025	
1/15/2014	<0.001		<0.001				<0.0025	
1/16/2014					<0.001			
7/10/2014					<0.001			
7/11/2014	<0.001		<0.001				0.001 (J)	
1/15/2015	<0.001							
1/16/2015			<0.001		0.00098 (J)		0.00089 (J)	
6/19/2015	<0.001							
6/20/2015			0.0017 (J)		0.0019 (J)		0.0017 (J)	
1/14/2016							0.0017 (J)	
1/16/2016	<0.001		<0.001		0.0008 (J)			
6/14/2016	0.00027 (J)							
6/15/2016			0.00031 (J)				0.0018 (J)	
6/16/2016					0.0011 (J)			
1/10/2017	0.0015 (J)							
1/12/2017			0.0031		0.0087		0.01	
7/18/2017	<0.001							
7/19/2017			<0.001					
7/24/2017					0.0027		0.0015 (J)	
1/10/2018	<0.001							
1/11/2018			<0.001		<0.001		<0.0025	
7/11/2018	<0.001							
7/12/2018			<0.001		<0.001		<0.0025	
1/29/2019		<0.001						
1/30/2019				<0.001		0.0027 (J)		<0.0025



# Prediction Limit

Constituent: Vanadium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17	GWC-18	GWC-18
8/25/2004	<0.001							
9/11/2004	<0.001							
9/26/2004	<0.001							
10/13/2004	<0.001							
7/11/2005	<0.001							
12/7/2005	<0.001							
6/22/2006	<0.001							
11/28/2006	<0.001							
7/6/2007	<0.001							
12/13/2007	<0.001							
6/20/2008	<0.001							
12/7/2008	<0.001							
7/10/2009	<0.001							
12/28/2009	<0.001							
6/22/2010	<0.001							
1/4/2011	<0.001							
7/9/2011	<0.001							
1/20/2012	<0.001							
7/11/2012	<0.001							
1/19/2013	<0.001							
7/18/2013	<0.001							
1/15/2014	<0.001							
7/11/2014	<0.001							
1/15/2015	<0.001							
6/19/2015	<0.001							
12/7/2015			<0.001					
12/8/2015					<0.001		0.0023 (J)	
12/14/2015					<0.001		0.0028 (J)	
12/15/2015			<0.001					
12/28/2015			<0.001		<0.001		0.0024 (J)	
1/13/2016			<0.001		<0.001			
1/14/2016							0.0022 (J)	
1/16/2016	<0.001							
1/25/2016			<0.001					
1/26/2016					<0.001		0.0022 (J)	
6/15/2016	0.0004 (J)		0.0003 (J)		0.00047 (J)			
6/16/2016							0.0041 (J)	
1/11/2017			0.0017 (J)		<0.001		0.003	
1/12/2017	0.0075							
7/19/2017			<0.001		<0.001			
7/20/2017	0.0015 (J)							
7/25/2017							0.0055	
1/11/2018	<0.001		<0.001		<0.001			
1/12/2018							0.0022 (J)	
7/11/2018			<0.001		<0.001		0.0016 (J)	
7/12/2018	<0.001							
1/29/2019				<0.001		<0.001		
1/30/2019		<0.001						0.0042 (J)
3/26/2019				0.0041				
3/27/2019		0.0078				0.004		0.0074
9/11/2019		0.0011		0.0016		0.0018		0.0037
4/1/2020		<0.001		<0.001		<0.001		0.0024



# Prediction Limit

Constituent: Vanadium Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17	GWC-18	GWC-18
9/15/2020				<0.001		<0.001		0.0022
9/16/2020		<0.001						
3/16/2021		<0.001				<0.001		
3/17/2021				<0.001				0.0026

# Prediction Limit

Constituent: Vanadium Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23
12/8/2015	0.0023 (J)							
12/9/2015			<0.001		<0.001			
12/14/2015			<0.001		<0.001			
12/15/2015	0.0016 (J)							
12/28/2015	0.0013 (J)							
12/29/2015			<0.001		<0.001			
1/14/2016	0.0014 (J)		<0.001		<0.001			
1/25/2016			<0.001		<0.001			
1/26/2016	0.0013 (J)							
6/16/2016	0.00092 (J)		0.00054 (J)		0.00048 (J)		0.00063 (J)	
1/12/2017					0.0058			
1/13/2017			0.0074					
1/16/2017	0.0067							
1/17/2017							0.0026	
7/25/2017	0.0035		0.0034		0.0029		0.003	
1/11/2018					<0.001			
1/12/2018	<0.001		<0.001				<0.001	
7/11/2018	<0.001		<0.001		<0.001			
7/12/2018							<0.001	
1/29/2019		<0.001		<0.001				
1/30/2019						<0.001		<0.001
3/27/2019		<0.001		0.0031		0.0049		0.0055
9/11/2019		0.0023		0.0018		0.0015		0.0015
4/1/2020		<0.001		<0.001		<0.001		<0.001
9/15/2020				<0.001		<0.001		<0.001
9/16/2020		<0.001						
3/16/2021		<0.001		<0.001				
3/17/2021						<0.001		<0.001

# Prediction Limit

Constituent: Vanadium, Zinc Analysis Run 4/28/2021 3:45 PM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWA-13	GWA-13
8/25/2004	<0.001		<0.001		<0.001			
9/11/2004	<0.001		<0.001		<0.001			
9/26/2004	<0.001		<0.001		<0.001			
10/13/2004	<0.001		<0.001		<0.001			
7/11/2005	<0.001		<0.001		<0.001			
12/7/2005	<0.001		<0.001		<0.001			
6/22/2006	<0.001		<0.001		<0.001			
11/28/2006	<0.001		<0.001		<0.001			
7/6/2007	<0.001		<0.001		<0.001			
12/13/2007	<0.001		<0.001		<0.001			
6/20/2008	0.0033		<0.001		0.0037			
12/7/2008	<0.001		<0.001		<0.001			
7/9/2009	<0.001		<0.001		<0.001			
12/29/2009			<0.001		<0.001			
12/30/2009	<0.001							
6/22/2010	<0.001		<0.001		<0.001			
1/4/2011	<0.001		<0.001					
1/5/2011					<0.001			
7/9/2011			<0.001		<0.001			
7/10/2011	<0.001							
1/21/2012	<0.001		<0.001		<0.001			
7/11/2012	<0.001		<0.001		<0.001			
1/19/2013			<0.001		<0.001			
1/20/2013	<0.001							
7/18/2013			<0.001		<0.001			
7/19/2013	<0.001							
1/15/2014			<0.001		<0.001			
1/16/2014	<0.001							
7/10/2014	<0.001		<0.001		<0.001			
1/15/2015			<0.001					
1/16/2015	<0.001				<0.001			
6/19/2015			0.0035 (J)					
6/20/2015	<0.001				<0.001			
12/7/2015							0.0034	
12/15/2015							0.003	
12/29/2015							0.0028	
1/13/2016							0.0025	
1/14/2016	<0.001		<0.001		<0.001			
1/25/2016							0.0022 (J)	
6/14/2016	0.00028 (J)		0.00047 (J)				0.0042 (J)	
6/15/2016					0.00019 (J)			
1/10/2017	0.0014 (J)							
1/11/2017			0.0016 (J)					
1/12/2017							<0.005	
1/13/2017					0.0091			
7/18/2017	<0.001		<0.001				<0.005	
7/24/2017					0.0027			
1/10/2018	<0.001		<0.001				<0.005	
1/12/2018					<0.001			
7/11/2018	<0.001		<0.001				<0.005	
7/12/2018					<0.001			
1/29/2019		<0.001		<0.001				<0.005

# Prediction Limit

Constituent: Vanadium, Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9	GWA-13	GWA-13
1/30/2019						<0.001		
3/26/2019		0.0027		0.0015				<0.005
3/27/2019						0.006		
9/10/2019		0.0018		0.0018				0.0061
9/11/2019						0.0015		
3/31/2020		<0.001		<0.001				<0.005
4/1/2020						<0.001		
9/15/2020				<0.001				0.0037 (J)
9/16/2020		<0.001				<0.001		
3/16/2021								<0.005
3/17/2021		<0.001		<0.001		<0.001		

# Prediction Limit

Constituent: Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3
8/25/2004					0.014		<0.005	
9/11/2004					<0.02		<0.005	
9/26/2004					<0.02		<0.005	
10/13/2004					<0.02		<0.005	
7/11/2005					<0.02		<0.005	
12/7/2005					<0.02		<0.005	
6/22/2006					0.0041		0.0042	
11/28/2006					0.0033		0.0048	
7/6/2007					0.0036		0.045	
12/13/2007					<0.02		0.005	
6/20/2008					0.0045		0.012	
12/7/2008					0.0031		0.042	
7/9/2009					0.004		0.0038	
12/28/2009					0.0027		<0.005	
6/22/2010					0.0028		<0.005	
1/4/2011					0.0027			
7/9/2011					0.0051		0.0085	
1/20/2012							0.0057	
1/21/2012					0.004			
7/11/2012					0.0075		<0.005	
1/19/2013							<0.005	
1/20/2013					0.0034			
7/18/2013							0.0028	
7/19/2013					<0.02			
1/15/2014					0.0049		0.0047	
7/11/2014					0.0038		0.0025	
1/15/2015							0.002 (J)	
1/16/2015					0.0032			
6/19/2015							0.0019 (J)	
6/20/2015					0.0042			
12/7/2015	0.0044		0.0048					
12/14/2015			0.0038					
12/15/2015	0.0031							
12/28/2015			0.0042					
12/29/2015	0.0028							
1/13/2016	0.0028		0.0036					
1/16/2016					0.0042		0.0033	
1/25/2016	0.0034		0.0033					
6/14/2016	0.0036 (J)				0.0043 (J)		0.0028 (J)	
6/15/2016			0.0032 (J)					
1/10/2017					0.0084 (J)		0.0079 (J)	
1/11/2017	0.013 (J)		<0.005					
7/17/2017					<0.02			
7/18/2017							<0.005	
7/19/2017	<0.005		<0.005					
1/10/2018					<0.02		<0.005	
1/11/2018	<0.005		<0.005					
7/11/2018	<0.005		<0.005		<0.02		<0.005	
1/29/2019		0.0048 (J)		0.0024 (J)		0.0064 (J)		<0.005
3/26/2019		<0.005		<0.005				
3/27/2019						<0.02		<0.005
9/10/2019		0.0069		0.006				

# Prediction Limit

Constituent: Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2	GWA-3	GWA-3
9/11/2019						0.0089		0.012
4/1/2020		<0.005		<0.005		0.0066		<0.005
9/15/2020		0.024		0.0033 (J)		0.0049 (J)		<0.005
3/16/2021		0.007		0.005		0.0045 (J)		0.0035 (J)

# Prediction Limit

Constituent: Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12
8/25/2004	0.012		<0.005		<0.005		<0.005	
9/11/2004	<0.02		0.01		<0.005		0.01	
9/26/2004	<0.02		<0.005		<0.005		<0.005	
10/13/2004			<0.005		<0.005		<0.005	
7/11/2005	<0.02		<0.005		<0.005		<0.005	
12/7/2005	0.015		<0.005		<0.005		<0.005	
6/22/2006	0.0044		0.0034		0.0025		0.0038	
11/28/2006	0.0034		0.019		0.0026		0.007	
7/6/2007	0.0029		<0.005		0.0025		0.0025	
12/13/2007	<0.02		<0.005		<0.005		0.0032	
6/20/2008	0.0035		0.0039		0.0089		0.0044	
12/7/2008	0.0036		<0.005				0.0042	
7/9/2009	0.0032							
7/10/2009			<0.005		<0.005		0.0025	
12/28/2009	0.0032						0.0027	
12/29/2009			<0.005		<0.005			
6/22/2010	0.0032		<0.005		<0.005		<0.005	
1/4/2011	<0.02		<0.005				0.0033	
1/5/2011					<0.005			
7/9/2011	0.0076				<0.005		0.0043	
7/10/2011			0.0026					
1/20/2012							0.0038	
1/21/2012	0.0034		<0.005		0.005			
7/11/2012	0.0028		<0.005		0.0025		0.0035	
1/19/2013					<0.005		0.0028	
1/20/2013	0.0032		<0.005					
7/18/2013							0.0028	
7/19/2013	0.0028		<0.005		<0.005			
1/15/2014	0.0047				0.0034		0.0053	
1/16/2014			0.0031					
7/10/2014			0.0012 (J)					
7/11/2014	0.0041				0.0019 (J)		0.0034	
1/15/2015							0.003	
1/16/2015	0.0035		0.0017 (J)		<0.005			
6/19/2015							0.0035	
6/20/2015	0.0043		0.0036		<0.005			
1/14/2016					0.0022 (J)			
1/16/2016	0.002 (J)		<0.005				0.0023 (J)	
6/15/2016	0.0027 (J)				0.0028 (J)		0.0031 (J)	
6/16/2016			<0.005					
1/12/2017	<0.02		<0.005		<0.005		<0.005	
7/19/2017	<0.02							
7/20/2017							<0.005	
7/24/2017			<0.005		<0.005			
1/11/2018	<0.02		<0.005		<0.005		<0.005	
7/12/2018	<0.02		<0.005		<0.005		<0.005	
1/30/2019		0.0031 (J)		<0.005		<0.005		<0.005
3/27/2019		<0.02		<0.005		<0.005		<0.005
9/11/2019		0.0088		0.0058		0.005		0.0066
4/1/2020		0.0046 (J)		<0.005				<0.005
4/2/2020						0.0049 (J)		
9/15/2020		0.0049 (J)		0.0043 (J)		<0.005		

# Prediction Limit

Constituent: Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12
9/16/2020								0.0033 (J)
3/16/2021		0.0047 (J)		<0.005				<0.005
3/17/2021						0.0032 (J)		



# Prediction Limit

Constituent: Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19
12/7/2015	0.0052							
12/8/2015			0.0058		0.0017 (J)		0.0035	
12/14/2015			0.006		0.0028			
12/15/2015	0.0046						0.0028	
12/28/2015	0.0042		0.0058		0.0024 (J)		0.0023 (J)	
1/13/2016	0.0038		0.0056					
1/14/2016					0.0036		0.012	
1/25/2016	0.0036							
1/26/2016			0.0046		0.0036		0.0034	
6/15/2016	0.0028 (J)		0.0053 (J)					
6/16/2016					0.0052 (J)		0.0026 (J)	
1/11/2017	0.014 (J)		0.018 (J)		0.025			
1/16/2017							<0.005	
7/19/2017	<0.005		<0.02					
7/25/2017					<0.005		<0.005	
1/11/2018	<0.005		<0.02					
1/12/2018					<0.005		<0.005	
7/11/2018	<0.005		<0.02		<0.005		<0.005	
1/29/2019		0.0059 (J)		0.0059 (J)				0.0051 (J)
1/30/2019						0.5		
3/26/2019		<0.005						
3/27/2019				<0.02		<0.005		<0.005
9/11/2019		0.0062		0.013		0.0058		0.0046 (J)
4/1/2020		<0.005		0.005		<0.005		<0.005
9/15/2020		0.0033 (J)		0.0052		0.0032 (J)		
9/16/2020								0.004 (J)
3/16/2021				0.006				<0.005
3/17/2021		0.0063				0.0032 (J)		

# Prediction Limit

Constituent: Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]
8/25/2004							<-0.02
9/11/2004							<-0.02
9/26/2004							<-0.02
10/13/2004							<-0.02
7/11/2005							<-0.02
6/22/2006							0.0061
11/28/2006							0.0064
7/6/2007							0.011
12/13/2007							0.0061
6/20/2008							0.009
12/7/2008							0.0071
7/9/2009							0.0059
12/30/2009							0.0038
6/22/2010							0.0044
1/4/2011							0.0038
7/10/2011							0.005
1/21/2012							0.0074
7/11/2012							0.0047
1/20/2013							<-0.02
7/19/2013							0.0032
1/16/2014							0.019
7/10/2014							0.0038
1/16/2015							0.0045
6/20/2015							0.0023 (J)
12/9/2015	0.0035		0.0016 (J)				
12/14/2015	0.0056		0.0015 (J)				
12/29/2015	0.0084		<0.005				
1/14/2016	0.0048		0.0052				0.0024 (J)
1/25/2016	0.0069		0.0017 (J)				
6/14/2016							0.0053 (J)
6/16/2016	0.0048 (J)		0.0097 (J)		0.0098 (J)		
1/10/2017							<-0.02
1/12/2017			<0.005				
1/13/2017	<0.005						
1/17/2017					<-0.02		
7/18/2017							<-0.02
7/25/2017	<0.005		<0.005		0.0069 (J)		
1/10/2018							<-0.02
1/11/2018			<0.005				
1/12/2018	<0.005				<-0.02		
7/11/2018	<0.005		<0.005				0.0098 (J)
7/12/2018					<-0.02		
1/29/2019		<0.005					0.0064 (J)
1/30/2019				0.0025 (J)		0.0049 (J)	
3/26/2019							0.01
3/27/2019		<0.005		<0.005		<-0.02	
9/10/2019							0.012
9/11/2019		0.0073		0.0063		0.0086	
3/31/2020							0.013
4/1/2020		<0.005		0.0032 (J)		0.0033 (J)	
9/15/2020		0.0044 (J)		<0.005		0.004 (J)	
9/16/2020							0.011

# Prediction Limit

Constituent: Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]
3/16/2021		<0.005					
3/17/2021				<0.005		0.0033 (J)	0.0039 (J)

# Prediction Limit

Constituent: Zinc Analysis Run 4/28/2021 3:45 PM View: EPD  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9
8/25/2004	0.017		<0.005	
9/11/2004	<0.005		<0.005	
9/26/2004	<0.005		<0.005	
10/13/2004	<0.005		<0.005	
7/11/2005	<0.005		<0.005	
12/7/2005	<0.005		<0.005	
6/22/2006	0.0033		<0.005	
11/28/2006	0.0034		0.0034	
7/6/2007	0.0037		0.0049	
12/13/2007	<0.005		<0.005	
6/20/2008	0.0042		0.006	
12/7/2008	0.0049		0.0043	
7/9/2009	0.0032		<0.005	
12/29/2009	0.0031		0.0061	
6/22/2010	<0.005		<0.005	
1/4/2011	0.0029			
1/5/2011			<0.005	
7/9/2011	0.0038		0.0077	
1/21/2012	0.0057		0.0032	
7/11/2012	0.0032		<0.005	
1/19/2013	0.0032		<0.005	
7/18/2013	0.0027		<0.005	
1/15/2014	0.0059		0.0036	
7/10/2014	0.0064		0.0024 (J)	
1/15/2015	0.0024 (J)			
1/16/2015			0.0055	
6/19/2015	0.0057			
6/20/2015			<0.005	
1/14/2016	0.0022 (J)		<0.005	
6/14/2016	0.0028 (J)			
6/15/2016			0.0037 (J)	
1/11/2017	0.013 (J)			
1/13/2017			<0.005	
7/18/2017	<0.005			
7/24/2017			<0.005	
1/10/2018	<0.005			
1/12/2018			<0.005	
7/11/2018	<0.005			
7/12/2018			<0.005	
1/29/2019		0.0027 (J)		
1/30/2019				0.051
3/26/2019		<0.005		
3/27/2019				<0.005
9/10/2019		0.022		
9/11/2019				0.0058
3/31/2020		<0.005		
4/1/2020				<0.005
9/15/2020		0.0049 (J)		
9/16/2020				0.0035 (J)
3/17/2021		0.0041 (J)		<0.005

FIGURE E.

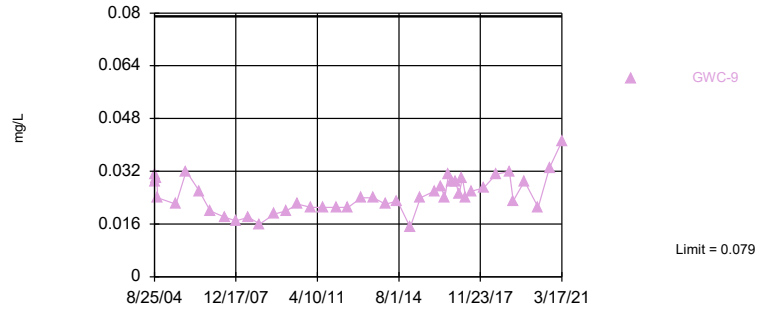
# Appendix I Interwell Prediction Limits (Intrawell Exceedances) - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 5/3/2021, 10:00 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-9	0.079	n/a	3/17/2021	0.041	No	302	n/a	n/a	0	n/a	n/a	7.3e-7	NP Inter (normality) 1 of 3
Chromium (mg/L)	GWC-23	0.024	n/a	3/17/2021	0.0027	No	296	n/a	n/a	47.64	n/a	n/a	7.3e-7	NP Inter (normality) 1 of 3

Within Limit

Prediction Limit  
Interwell Non-parametric



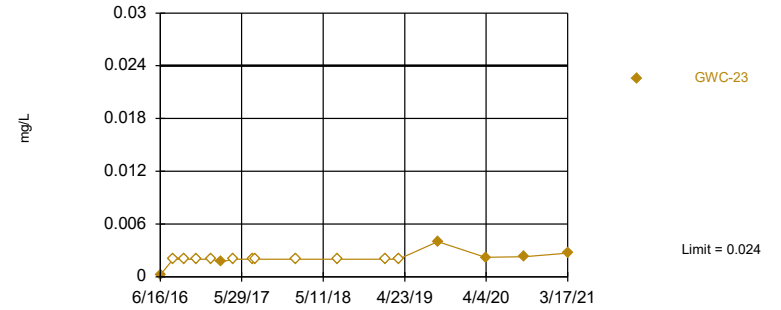
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 302 background values. Annual per-constituent alpha = 0.0000131. Individual comparison alpha = 7.3e-7 (1 of 3). Assumes 8 future values.

Constituent: Barium Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 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 296 background values. 47.64% NDs. Annual per-constituent alpha = 0.0000131. Individual comparison alpha = 7.3e-7 (1 of 3). Assumes 8 future values.

Constituent: Chromium Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-2 (bg)	GWC-5[*GWB-5]...	GWC-4A[*GWB-4...GWC-9	GWA-16[*GWB-1...GWA-14 (bg)	GWC-15[*GWB-1...GWA-13 (bg)		
8/25/2004	0.025	0.018	0.016	0.0096	0.029			
9/11/2004	0.015	0.019	0.02	0.024	0.031			
9/26/2004	0.017	0.02	0.016	0.027	0.03			
10/13/2004	0.017	0.017	0.014	0.022	0.024			
7/11/2005	0.012	0.012	0.014	0.029	0.022			
12/7/2005	0.012	0.014	0.014	0.023	0.032			
6/22/2006	0.016	0.018	0.019	0.026	0.026			
11/28/2006	0.017	0.015	0.016	0.039	0.02			
7/6/2007	0.1 (O)	0.014	0.018	0.037	0.018			
12/13/2007	0.01	0.014	0.015	0.029	0.017			
6/20/2008	0.026	0.018	0.018	0.037	0.018			
12/7/2008	0.097 (O)	0.013	0.016	0.025	0.016			
7/9/2009	0.01	0.019	0.019	0.028	0.019			
12/28/2009	0.0091	0.012						
12/29/2009			0.02		0.02			
12/30/2009				0.017				
6/22/2010	0.011	0.02	0.027	0.032	0.022			
1/4/2011		0.02	0.025	0.02				
1/5/2011	0.21 (O)				0.021			
7/9/2011	0.035	0.028	0.022		0.021			
7/10/2011				0.032				
1/20/2012	0.021							
1/21/2012		0.026	0.024	0.026	0.021			
7/11/2012	0.009	0.038	0.024	0.023	0.021			
1/19/2013	0.01		0.026		0.024			
1/20/2013		0.025		0.011				
7/18/2013	0.014		0.024		0.024			
7/19/2013		0.018		0.018				
1/15/2014	0.016	0.026	0.026		0.022			
1/16/2014				0.015				
7/10/2014			0.036	0.025	0.023			
7/11/2014	0.016	0.029						
1/15/2015	0.014		0.035					
1/16/2015		0.021		0.022	0.015			
6/19/2015	0.013		0.066					
6/20/2015		0.031		0.015	0.024			
12/7/2015					0.027	0.018	0.027	0.015
12/8/2015								
12/14/2015					0.028			
12/15/2015						0.017	0.028	0.015
12/28/2015					0.029		0.026	
12/29/2015						0.018		0.016
1/13/2016					0.028	0.018	0.026	0.017
1/14/2016			0.059	0.016	0.026			
1/16/2016	0.021	0.031						
1/25/2016					0.027	0.018	0.027	0.017
1/26/2016								
4/19/2016	0.0217	0.0305		0.0274				
4/20/2016			0.0553	0.0234	0.0259	0.0143		0.0144
4/21/2016							0.0262	
6/14/2016	0.024	0.03	0.035	0.019		0.012		0.015
6/15/2016				0.024	0.024		0.024	



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-2 (bg)	GWC-5[*GWB-5]...	GWC-4A[*GWB-4...GWC-9	GWA-16[*GWB-1...GWA-14 (bg)	GWC-15[*GWB-1...GWA-13 (bg)			
6/16/2016									
8/9/2016	0.023	0.032	0.035		0.023	0.011	0.023	0.013	
8/10/2016				0.031					
8/11/2016				0.024					
9/26/2016		0.031							
9/27/2016	0.016		0.038	0.035	0.029	0.021	0.01	0.023	0.015
9/28/2016									
11/14/2016	0.014			0.034					
11/15/2016		0.033	0.039		0.029	0.023	0.012	0.023	0.015
11/16/2016									
1/10/2017	0.015	0.031		0.021					
1/11/2017			0.037		0.021	0.011	0.022		
1/12/2017								0.012	
1/13/2017				0.025					
1/19/2017			0.079						
1/24/2017			0.42 (o)						
2/28/2017	0.017	0.033	0.042	0.021		0.011	0.023	0.016	
3/1/2017					0.03	0.022			
4/19/2017	0.013	0.032							
4/20/2017			0.04	0.019		0.022	0.011	0.024	0.015
4/24/2017					0.024				
4/25/2017									
7/17/2017		0.033							
7/18/2017	0.012		0.04	0.018				0.015	
7/19/2017					0.024	0.012	0.025		
7/24/2017					0.026				
7/25/2017									
1/10/2018	0.016	0.034	0.048	0.021				0.015	
1/11/2018					0.022	0.012	0.023		
1/12/2018					0.027				
7/11/2018	0.015	0.035	0.044	0.029		0.023	0.012	0.025	0.015
7/12/2018					0.031				
1/29/2019	0.017	0.034	0.05	0.025		0.026	0.013	0.027	0.019
1/30/2019					0.032				
3/26/2019			0.046	0.023		0.023	0.012	0.028	0.016
3/27/2019	0.014	0.03			0.023				
9/10/2019			0.044	0.026		0.039	0.016		0.03
9/11/2019	0.015	0.034			0.029			0.023	
3/31/2020			0.044	0.017					0.015
4/1/2020	0.014	0.037			0.021	0.022	0.013	0.026	
9/15/2020	0.015	0.036	0.041			0.024	0.012	0.023	0.014
9/16/2020				0.016	0.033				
3/16/2021	0.015	0.035				0.025	0.013		0.018
3/17/2021			0.04	0.014	0.041			0.028	

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-17 (bg)
8/25/2004		
9/11/2004		
9/26/2004		
10/13/2004		
7/11/2005		
12/7/2005		
6/22/2006		
11/28/2006		
7/6/2007		
12/13/2007		
6/20/2008		
12/7/2008		
7/9/2009		
12/28/2009		
12/29/2009		
12/30/2009		
6/22/2010		
1/4/2011		
1/5/2011		
7/9/2011		
7/10/2011		
1/20/2012		
1/21/2012		
7/11/2012		
1/19/2013		
1/20/2013		
7/18/2013		
7/19/2013		
1/15/2014		
1/16/2014		
7/10/2014		
7/11/2014		
1/15/2015		
1/16/2015		
6/19/2015		
6/20/2015		
12/7/2015		
12/8/2015	0.053	0.021
12/14/2015	0.049	0.021
12/15/2015		
12/28/2015	0.048	0.02
12/29/2015		
1/13/2016		0.019
1/14/2016	0.048	
1/16/2016		
1/25/2016		
1/26/2016	0.044	0.019
4/19/2016	0.0308	
4/20/2016		0.0188
4/21/2016		
6/14/2016		
6/15/2016		0.017

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-17 (bg)
6/16/2016	0.029	
8/9/2016		0.018
8/10/2016		
8/11/2016	0.023	
9/26/2016		
9/27/2016		0.016
9/28/2016	0.024	
11/14/2016		
11/15/2016		0.017
11/16/2016	0.022	
1/10/2017		
1/11/2017	0.017	0.017
1/12/2017		
1/13/2017		
1/19/2017		
1/24/2017		
2/28/2017		
3/1/2017	0.02	0.017
4/19/2017		
4/20/2017		0.016
4/24/2017		
4/25/2017	0.02	
7/17/2017		
7/18/2017		
7/19/2017		0.017
7/24/2017		
7/25/2017	0.017	
1/10/2018		
1/11/2018		0.017
1/12/2018	0.015	
7/11/2018	0.013	0.017
7/12/2018		
1/29/2019		0.02
1/30/2019	0.02	
3/26/2019		
3/27/2019	0.014	0.017
9/10/2019		
9/11/2019	0.018	0.021
3/31/2020		
4/1/2020	0.013	0.019
9/15/2020	0.014	0.018
9/16/2020		
3/16/2021		0.017
3/17/2021	0.013	



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2 (bg)	GWA-3 (bg)	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWA-14 (bg)	GWC-15[*GWB-1...	GWA-16[*GWB-1...	GWA-13 (bg)	GWC-18 (bg)
8/9/2016	0.0014 (J)	<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	
8/10/2016									
8/11/2016			<0.002						0.0023 (J)
9/26/2016	0.0016 (J)								
9/27/2016		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
9/28/2016									0.0022 (J)
11/14/2016		0.0011 (J)	<0.002						
11/15/2016	0.0015 (J)			<0.002	<0.002	<0.002	0.0011 (J)	<0.002	
11/16/2016									0.0019 (J)
1/10/2017	0.0015 (J)	0.0012 (J)	<0.002						
1/11/2017				<0.002	<0.002	<0.002	0.0012 (J)		0.0025
1/12/2017								<0.002	
1/17/2017									
1/19/2017				0.002 (J)					
1/24/2017				<0.002					
2/28/2017	0.0044	0.004	0.0048	0.0054	0.0047	0.0051		0.0049	
3/1/2017							0.0052		0.0065
3/2/2017									
4/19/2017	0.0011 (J)	0.0011 (J)							
4/20/2017			<0.002	0.0013 (J)	<0.002	0.0012 (J)	0.0013 (J)	0.0011 (J)	
4/25/2017									0.0026
7/13/2017									
7/17/2017	0.0011 (J)								
7/18/2017		<0.002	<0.002	<0.002				<0.002	
7/19/2017					<0.002	0.0013 (J)	0.0015 (J)		
7/25/2017									0.0023 (J)
1/10/2018	0.0014 (J)	0.0012 (J)	<0.002	<0.002				<0.002	
1/11/2018					<0.002	0.0011 (J)	0.0013 (J)		
1/12/2018									0.002 (J)
7/11/2018	0.0011 (J)	0.0011 (J)	<0.002	<0.002	<0.002	<0.002	0.0012 (J)	<0.002	0.0022 (J)
7/12/2018									
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0037 (J)	
1/30/2019									0.0049 (J)
3/26/2019			<0.002	<0.002	<0.002	0.0016	0.0015	0.0014	
3/27/2019	0.0016	0.0014							0.0025
9/10/2019			0.0031	0.0041	0.004		0.004	0.0052	
9/11/2019	0.004	0.0034				0.0038			0.0049
3/31/2020			<0.002	<0.002				0.0019 (J)	
4/1/2020	0.0017 (J)	<0.002			<0.002	0.0015 (J)	0.024		0.0025
9/15/2020	0.0015 (J)	<0.002		<0.002	<0.002	<0.002	0.0015 (J)	<0.002	0.0025
9/16/2020			<0.002						
3/16/2021	0.0015 (J)	0.0015 (J)			<0.002		0.0017 (J)	<0.002	
3/17/2021			<0.002	<0.002		<0.002			0.0027

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-23
8/25/2004		
9/11/2004		
9/26/2004		
10/13/2004		
7/11/2005		
12/7/2005		
6/22/2006		
11/28/2006		
7/6/2007		
12/13/2007		
6/20/2008		
12/7/2008		
7/9/2009		
12/28/2009		
12/29/2009		
12/30/2009		
6/22/2010		
1/4/2011		
1/5/2011		
7/9/2011		
7/10/2011		
1/20/2012		
1/21/2012		
7/11/2012		
1/19/2013		
1/20/2013		
7/18/2013		
7/19/2013		
1/15/2014		
1/16/2014		
7/10/2014		
7/11/2014		
1/15/2015		
1/16/2015		
6/19/2015		
6/20/2015		
12/7/2015		
12/8/2015	<0.002	
12/14/2015	<0.002	
12/15/2015		
12/28/2015	<0.002	
12/29/2015		
1/14/2016		
1/16/2016		
1/25/2016		
1/26/2016	<0.002	
4/19/2016		
4/20/2016	<0.002	
4/21/2016		
6/14/2016		
6/15/2016	0.0018 (J)	
6/16/2016		0.00023 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/3/2021 10:00 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-23
8/9/2016	0.002 (J)	
8/10/2016		<0.002
8/11/2016		
9/26/2016		
9/27/2016	0.0021 (J)	
9/28/2016		<0.002
11/14/2016		
11/15/2016	0.002 (J)	
11/16/2016		<0.002
1/10/2017		
1/11/2017	0.0025	
1/12/2017		
1/17/2017		<0.002
1/19/2017		
1/24/2017		
2/28/2017		
3/1/2017	0.0067	
3/2/2017		0.0017 (J)
4/19/2017		
4/20/2017	0.0024 (J)	
4/25/2017		<0.002
7/13/2017		<0.002
7/17/2017		
7/18/2017		
7/19/2017	0.0025	
7/25/2017		<0.002
1/10/2018		
1/11/2018	0.0026	
1/12/2018		<0.002
7/11/2018	0.0025	
7/12/2018		<0.002
1/29/2019	0.0041 (J)	
1/30/2019		<0.002
3/26/2019		
3/27/2019	0.0028	<0.002
9/10/2019		
9/11/2019	0.0059	0.004
3/31/2020		
4/1/2020	0.0032	0.0022
9/15/2020	0.0027	0.0023
9/16/2020		
3/16/2021	0.0031	
3/17/2021		0.0027

FIGURE F.



# Appendix I Trend Tests - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 5/3/2021, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-2 (bg)	0.001402	6.544	2.58	Yes	43	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-18 (bg)	-0.007274	-192	-92	Yes	22	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-5[*GWB-5] (bg)	0.002098	6.625	2.58	Yes	44	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-9	0.0006186	2.973	2.58	Yes	43	0	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2 (bg)	-0.00005169	-3.161	-2.58	Yes	42	21.43	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-18 (bg)	0.0002167	97	87	Yes	21	0	n/a	n/a	0.01	NP

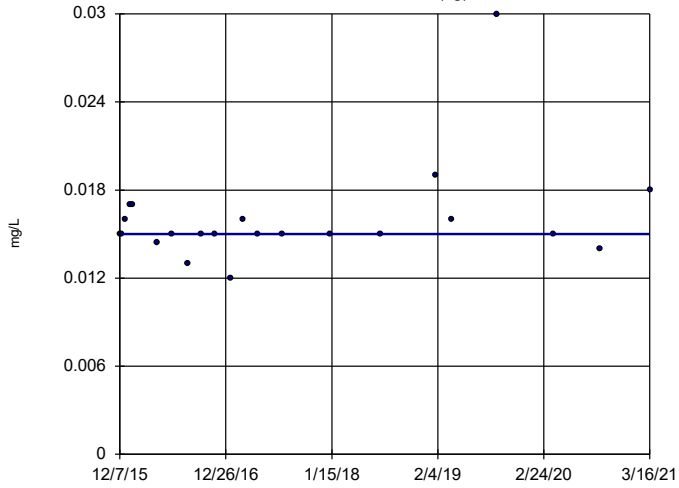
# Appendix I Trend Tests - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 5/3/2021, 10:02 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-13 (bg)	0	24	92	No	22	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-14 (bg)	-0.0002649	-37	-92	No	22	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-16[*GWB-16] (bg)	-0.0006279	-51	-92	No	22	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.001402</b>	<b>6.544</b>	<b>2.58</b>	<b>Yes</b>	<b>43</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWA-3 (bg)	0	-13	-223	No	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-15[*GWB-15] (bg)	0	-23	-92	No	22	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-17 (bg)	-0.0003179	-56	-92	No	22	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWC-18 (bg)</b>	<b>-0.007274</b>	<b>-192</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWC-4A[*GWB-4A] (bg)	-0.0004375	-1.97	-2.58	No	43	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWC-5[*GWB-5] (bg)</b>	<b>0.002098</b>	<b>6.625</b>	<b>2.58</b>	<b>Yes</b>	<b>44</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWC-9</b>	<b>0.0006186</b>	<b>2.973</b>	<b>2.58</b>	<b>Yes</b>	<b>43</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium (mg/L)	GWA-13 (bg)	0	-10	-81	No	20	65	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-14 (bg)	0	21	87	No	21	85.71	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-16[*GWB-16] (bg)	0	1	87	No	21	38.1	n/a	n/a	0.01	NP
<b>Chromium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>-0.00005169</b>	<b>-3.161</b>	<b>-2.58</b>	<b>Yes</b>	<b>42</b>	<b>21.43</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium (mg/L)	GWA-3 (bg)	-0.00002819	-2.28	-2.58	No	42	35.71	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-15[*GWB-15] (bg)	0	-8	-87	No	21	61.9	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-17 (bg)	0	-10	-87	No	21	23.81	n/a	n/a	0.01	NP
<b>Chromium (mg/L)</b>	<b>GWC-18 (bg)</b>	<b>0.0002167</b>	<b>97</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chromium (mg/L)	GWC-23	0	23	63	No	17	64.71	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-4A[*GWB-4A] (bg)	0	-0.4796	-2.58	No	43	69.77	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-5[*GWB-5] (bg)	0	-0.3236	-2.58	No	44	68.18	n/a	n/a	0.01	NP

### Sen's Slope Estimator

GWA-13 (bg)

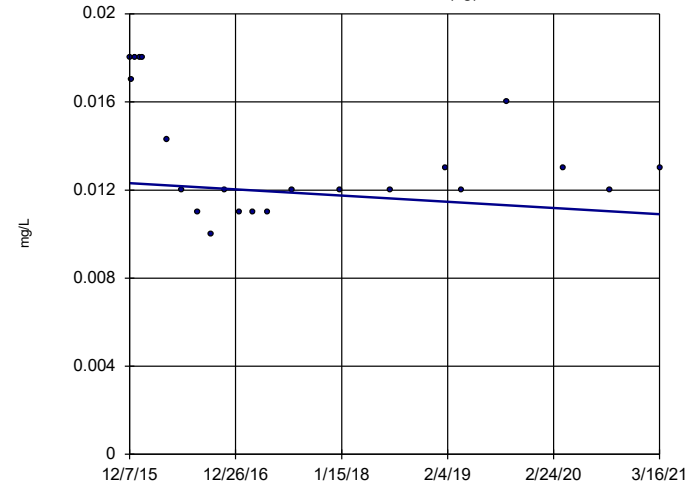


n = 22  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 24  
 critical = 92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWA-14 (bg)

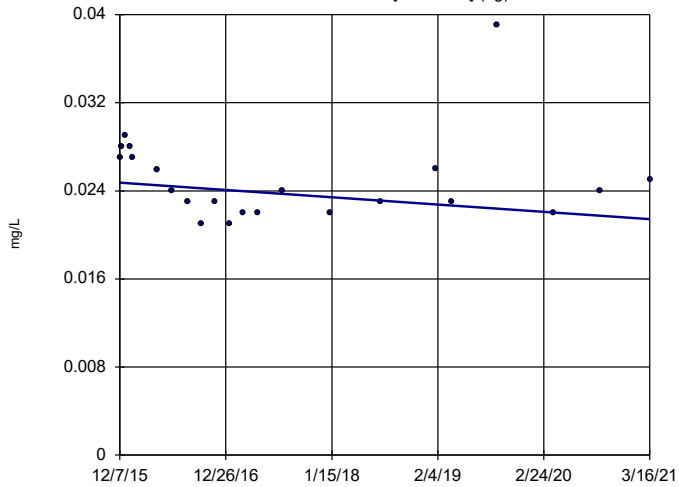


n = 22  
 Slope = -0.0002649  
 units per year.  
 Mann-Kendall  
 statistic = -37  
 critical = -92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWA-16[\*GWB-16] (bg)

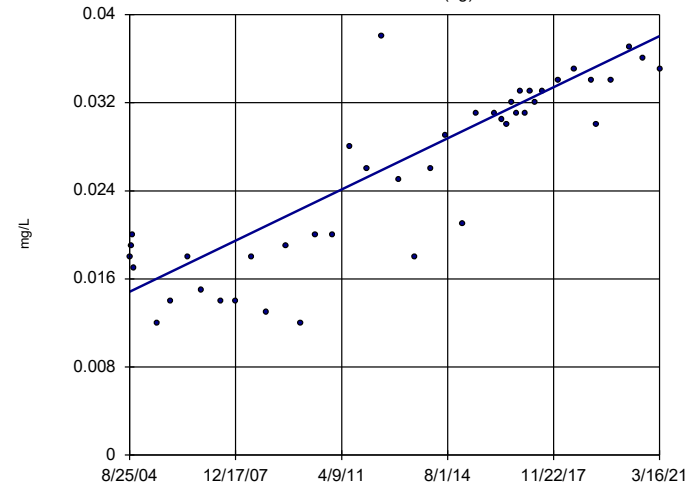


n = 22  
 Slope = -0.0006279  
 units per year.  
 Mann-Kendall  
 statistic = -51  
 critical = -92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWA-2 (bg)

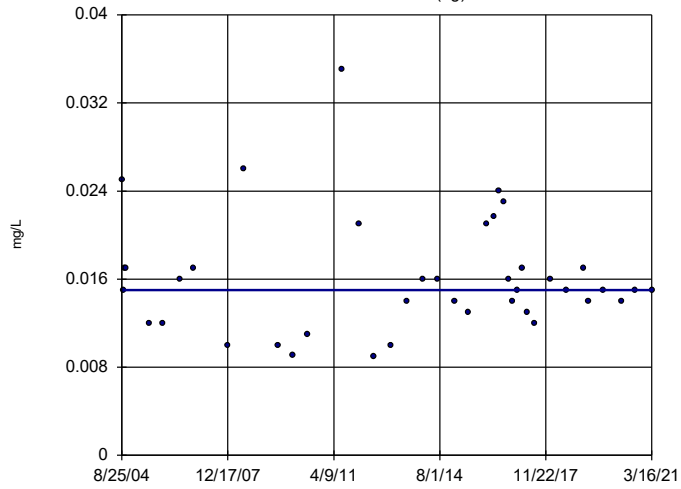


n = 43  
 Slope = 0.001402  
 units per year.  
 Mann-Kendall  
 normal approx. =  
 6.544  
 critical = 2.58  
 Increasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWA-3 (bg)

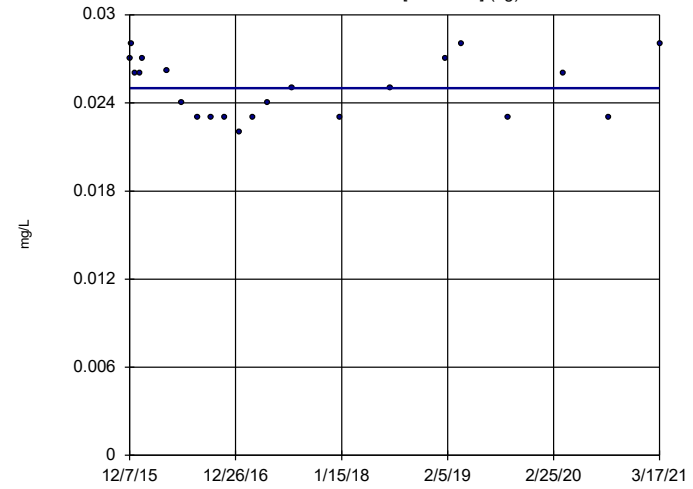


n = 40  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -13  
 critical = -223  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWC-15[\*GWB-15] (bg)

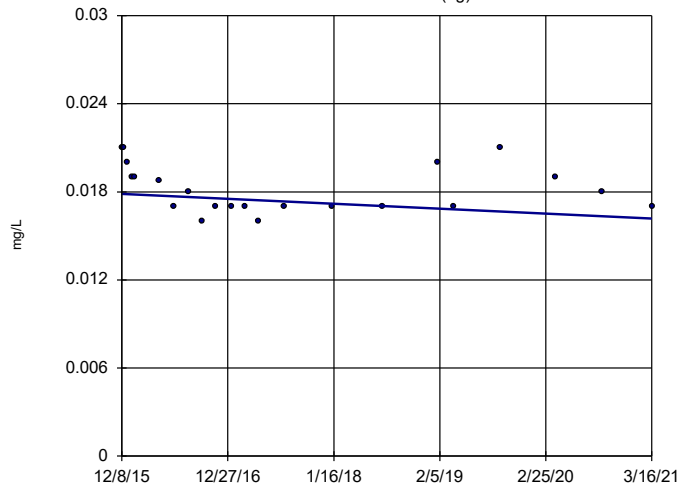


n = 22  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -23  
 critical = -92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWC-17 (bg)

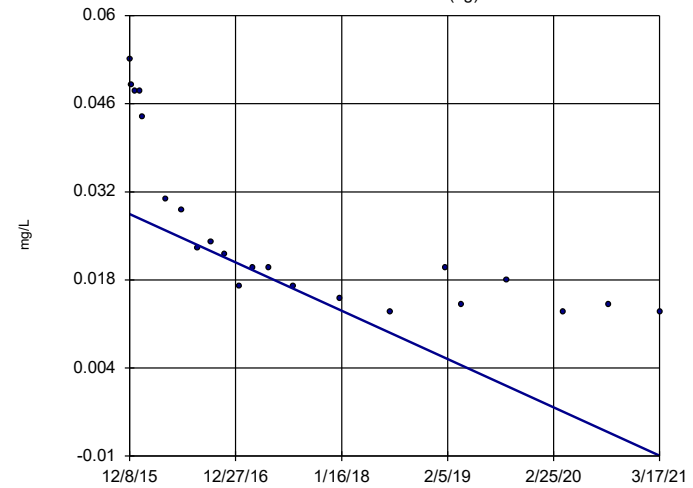


n = 22  
 Slope = -0.0003179  
 units per year.  
 Mann-Kendall  
 statistic = -56  
 critical = -92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWC-18 (bg)

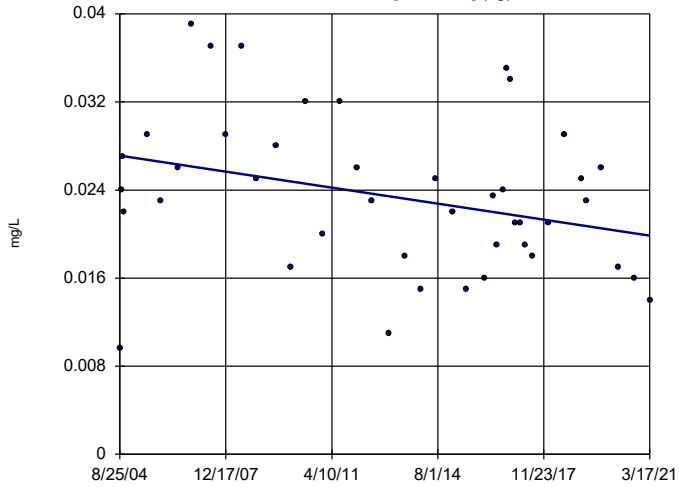


n = 22  
 Slope = -0.007274  
 units per year.  
 Mann-Kendall  
 statistic = -192  
 critical = -92  
 Decreasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWC-4A\*[GWB-4A] (bg)

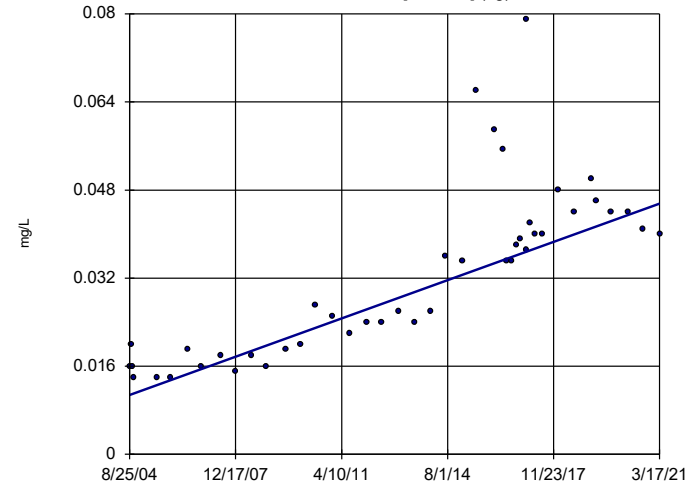


n = 43  
 Slope = -0.0004375  
 units per year.  
 Mann-Kendall  
 normal approx. =  
 -1.97  
 critical = -2.58  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWC-5\*[GWB-5] (bg)

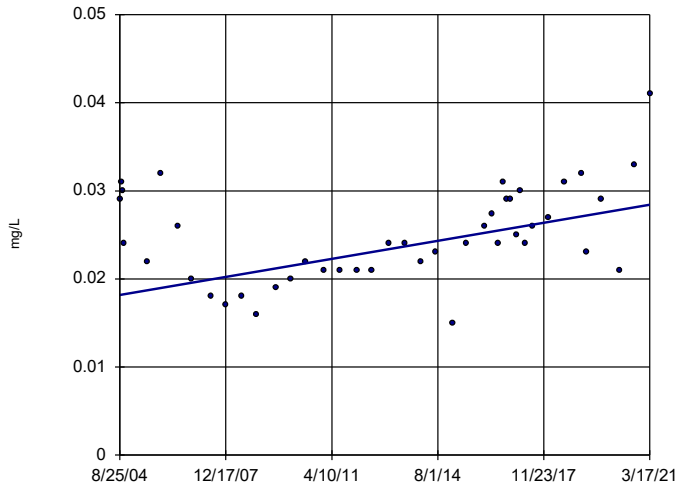


n = 44  
 Slope = 0.002098  
 units per year.  
 Mann-Kendall  
 normal approx. =  
 6.625  
 critical = 2.58  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

GWC-9

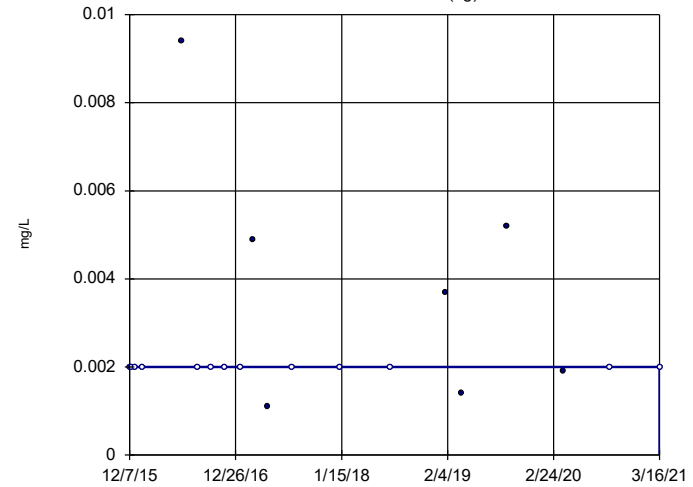


n = 43  
 Slope = 0.0006186  
 units per year.  
 Mann-Kendall  
 normal approx. =  
 2.973  
 critical = 2.58  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

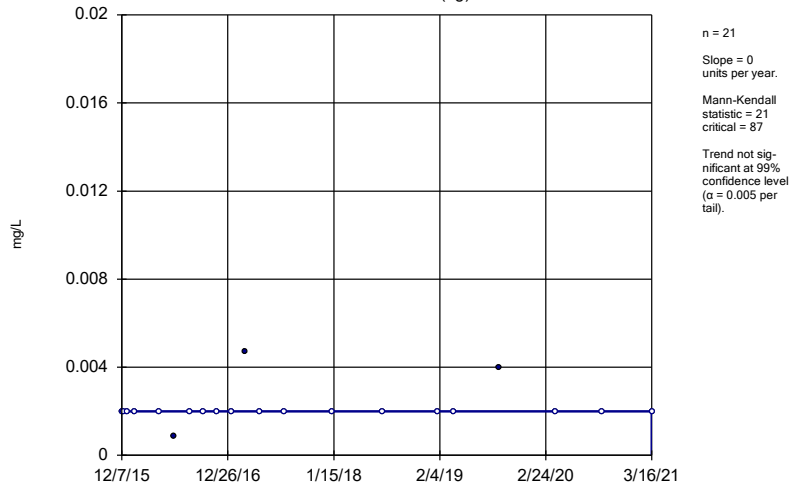
GWA-13 (bg)



n = 20  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -10  
 critical = -81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

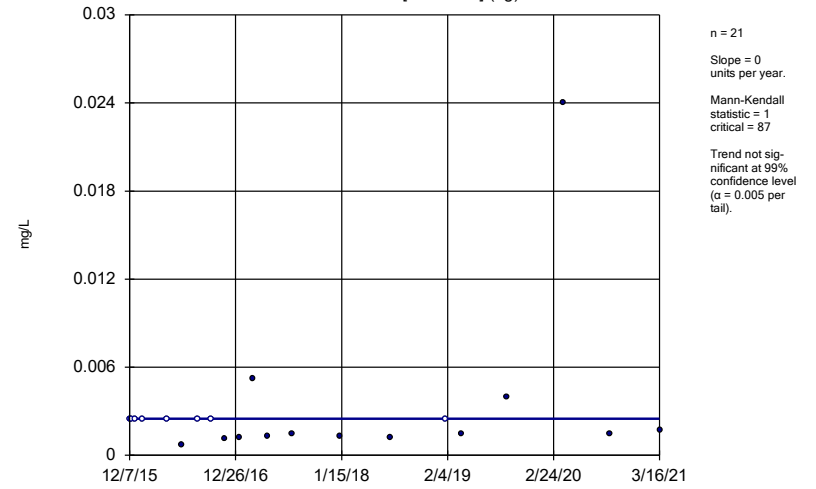
Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWA-14 (bg)



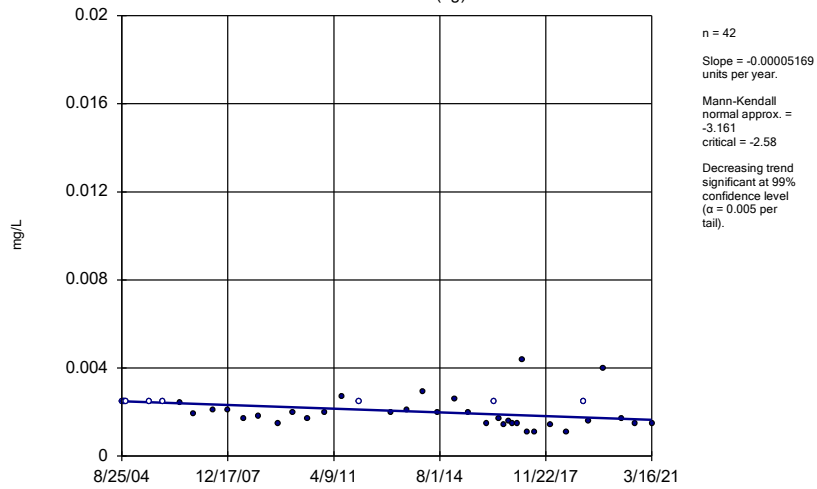
Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWA-16[\*GWB-16] (bg)



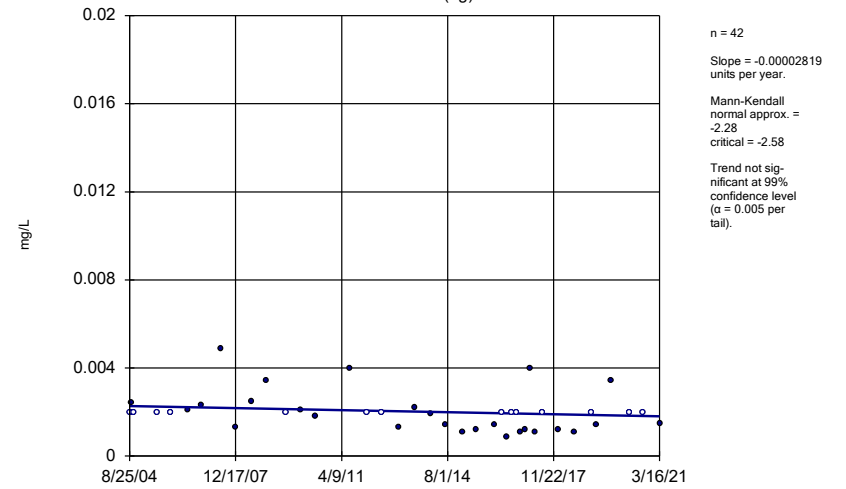
Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWA-2 (bg)



Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

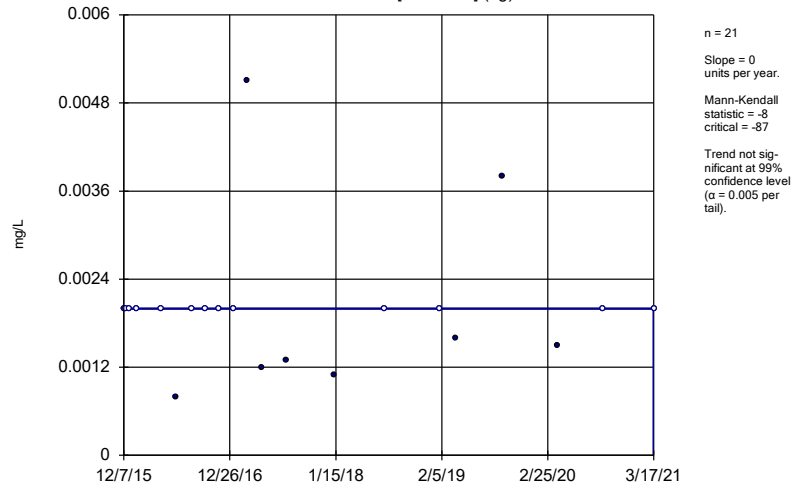
### Sen's Slope Estimator GWA-3 (bg)



Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

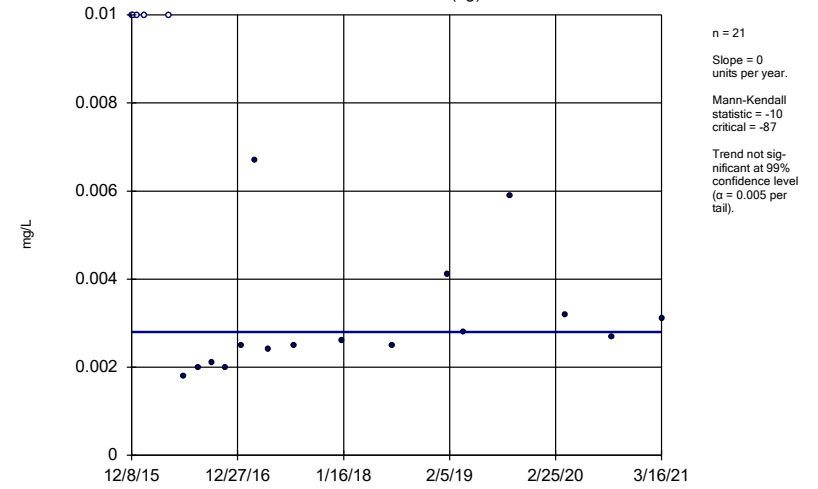
GWC-15[\*GWB-15] (bg)



Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

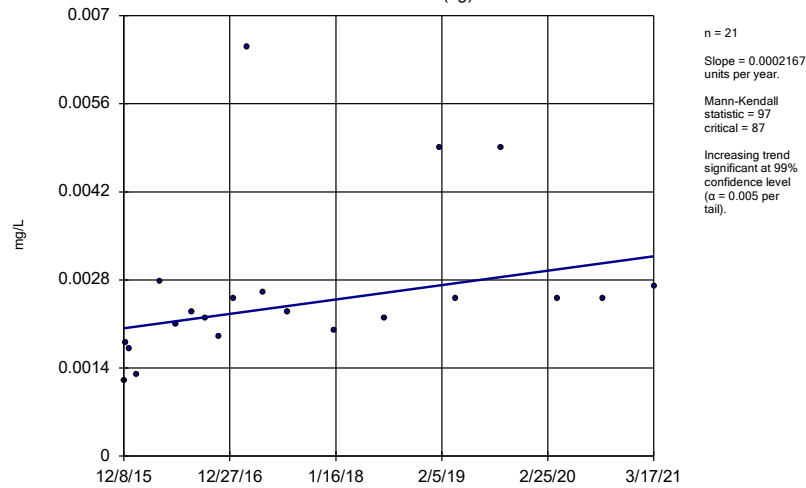
GWC-17 (bg)



Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator

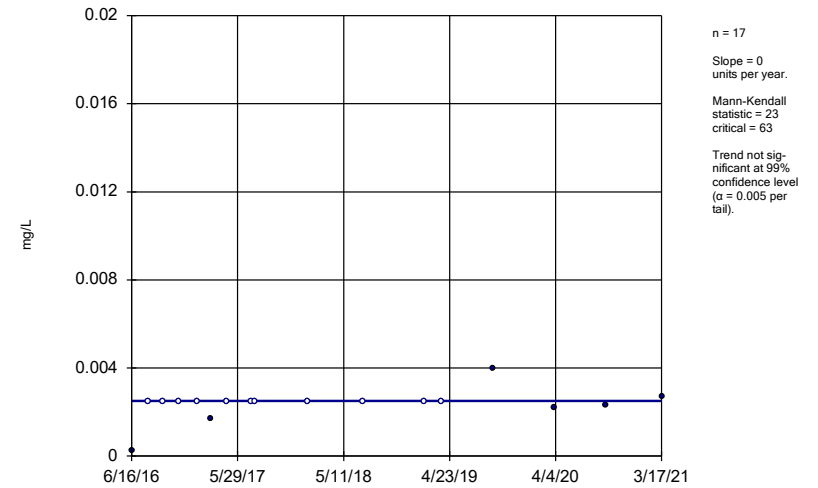
GWC-18 (bg)



Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

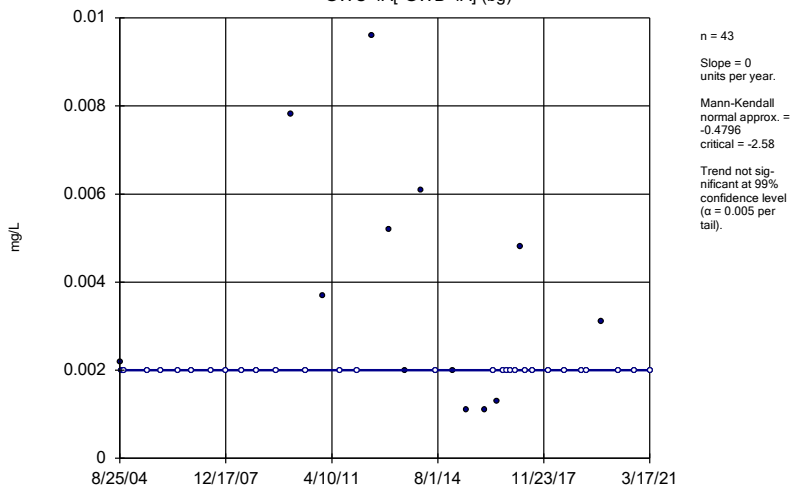
### Sen's Slope Estimator

GWC-23



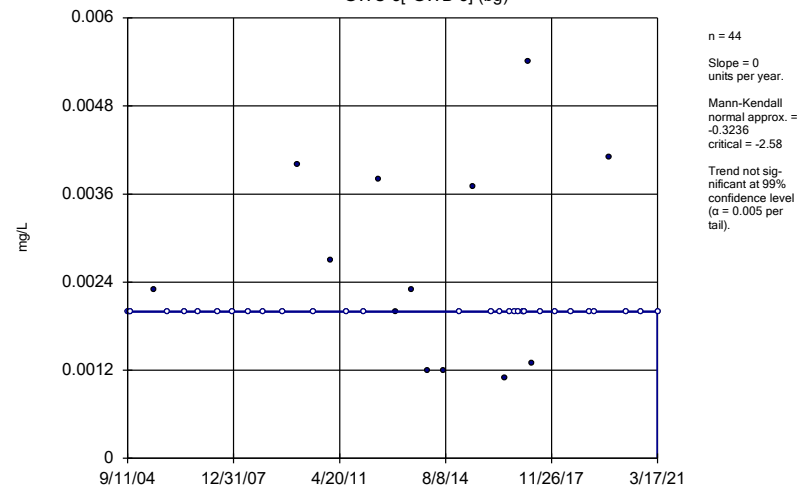
Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-4A[\*GWB-4A] (bg)



Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-5[\*GWB-5] (bg)



Constituent: Chromium Analysis Run 5/3/2021 10:01 AM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



FIGURE G.

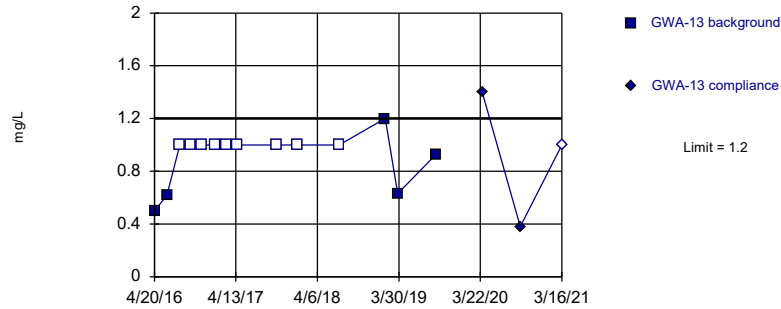
# Appendix III Intrawell Prediction Limit - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 4:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-13	1.2	n/a	3/16/2021	1ND	No	14	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	6.271	n/a	3/16/2021	1ND	No	14	0.2915	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16[*GWB-16]	1	n/a	3/16/2021	1ND	No	14	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.685	n/a	3/16/2021	1ND	No	14	0.2566	50	Kaplan-Meier	ln(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	1.256	n/a	3/16/2021	1ND	No	14	0.1443	42.86	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.516	n/a	3/16/2021	1.6	No	14	0.4296	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	6.13	n/a	3/16/2021	2.4	No	14	1.048	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.226	n/a	3/17/2021	5.6	No	14	0.6784	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	3/16/2021	1ND	No	14	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-15[*GWB-15]	1.2	n/a	3/17/2021	1ND	No	14	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	2.718	n/a	3/16/2021	1ND	No	14	0.2368	35.71	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	5.927	n/a	3/17/2021	3.5	No	14	0.4701	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	3.003	n/a	3/16/2021	1.9	No	14	0.4348	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	5.519	n/a	3/16/2021	0.98J	No	14	0.4024	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.925	n/a	3/17/2021	1ND	No	14	0.3353	14.29	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	3.792	n/a	3/17/2021	1.8	No	13	0.485	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-4A[*GWB-4A]	14.53	n/a	3/17/2021	3.5	No	14	2.873	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5[*GWB-5]	1	n/a	3/17/2021	1ND	No	14	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.571	n/a	3/17/2021	1ND	No	14	0.2332	28.57	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2

Santas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

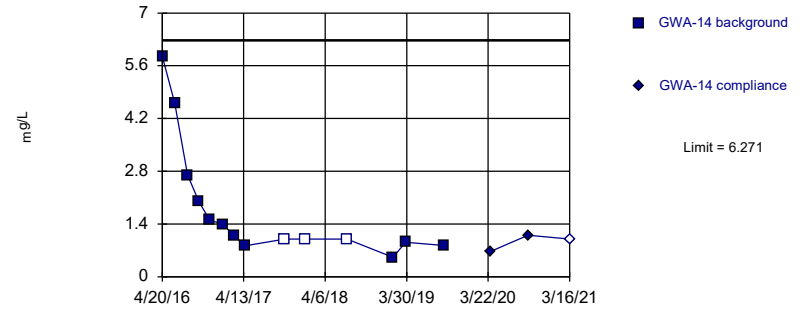


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 4/28/2021 4:38 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

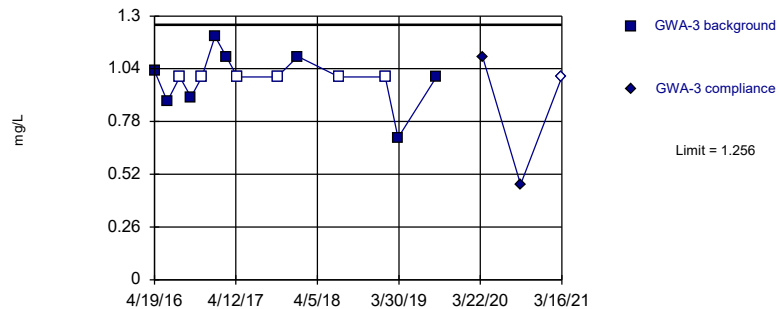
Santas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

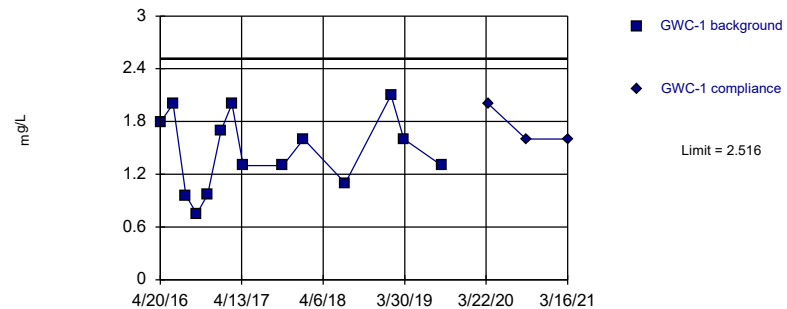


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.9022, Std. Dev.=0.1443, n=14, 42.86% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8712, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/28/2021 4:38 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

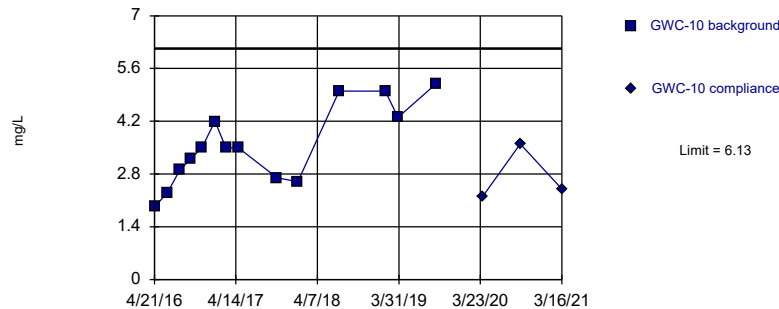


Background Data Summary: Mean=1.462, Std. Dev.=0.4296, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9508, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/28/2021 4:38 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

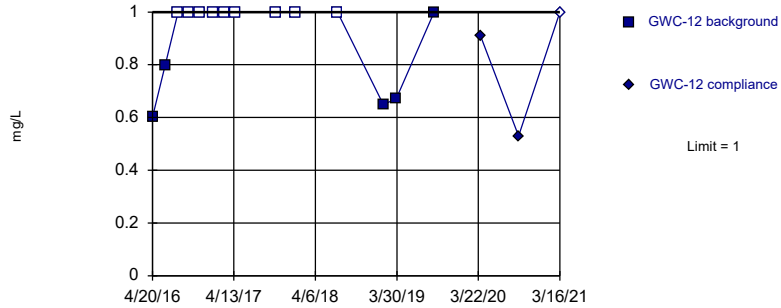
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Non-parametric

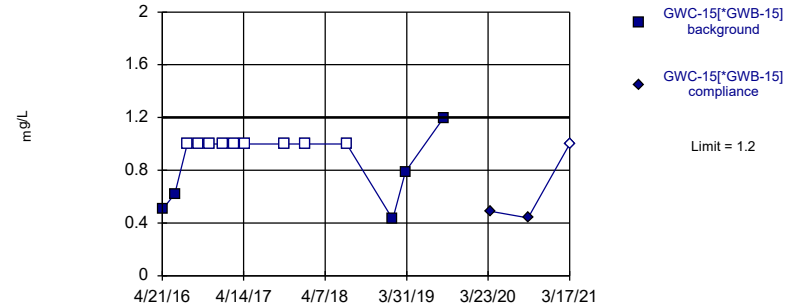


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 4/28/2021 4:38 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

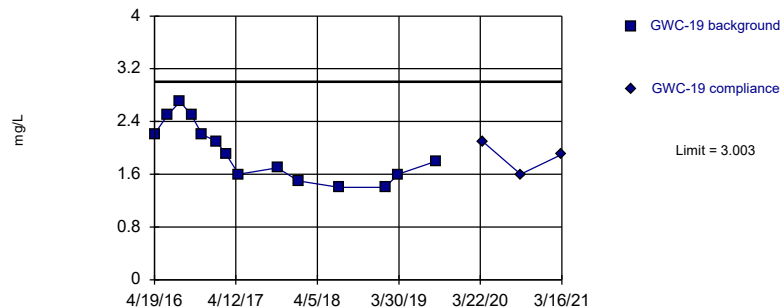
Within Limit

Prediction Limit  
Intrawell Non-parametric



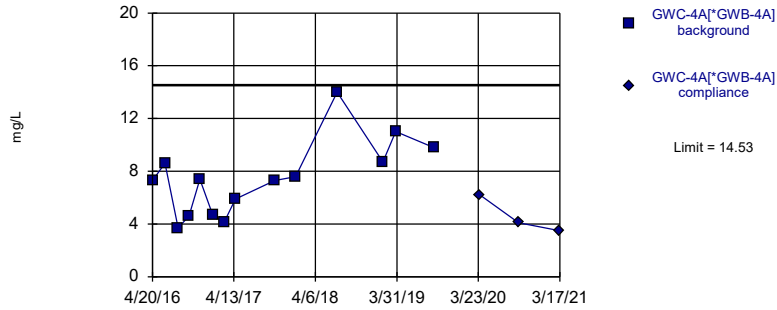
Within Limit

### Prediction Limit Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric



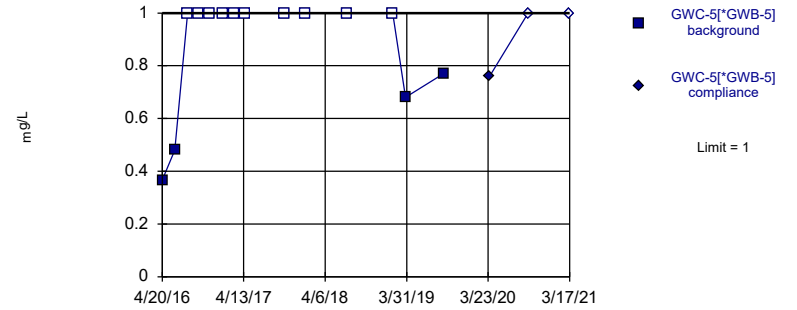
Background Data Summary: Mean=7.479, Std. Dev.=2.873, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/28/2021 4:38 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



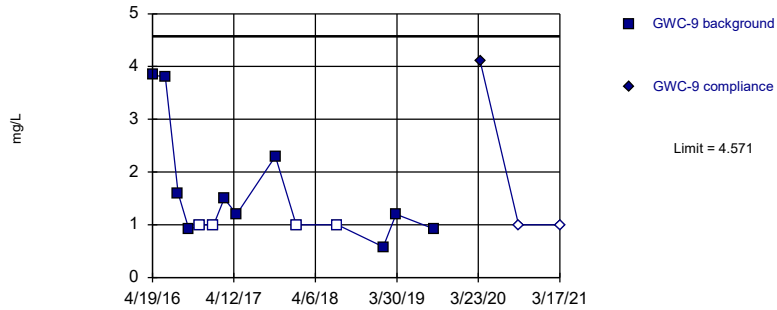
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 4/28/2021 4:38 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.088, Std. Dev.=0.2332, n=14, 28.57% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.829, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 4/28/2021 4:38 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

# Prediction Limit

Constituent: Sulfate Analysis Run 4/28/2021 4:46 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13	GWA-13	GWA-14	GWA-14	GWA-16[*GWB-16]	GWA-16[*GWB-16]	GWA-2	GWA-2
4/19/2016							1.27	
4/20/2016	0.496 (J)		5.85		0.53 (J)			
6/14/2016	0.62 (J)		4.6				1.7	
6/15/2016					0.67 (J)			
8/9/2016	<1		2.7		<1		<1	
9/26/2016							<1	
9/27/2016	<1		2		<1			
11/15/2016	<1		1.5		<1		<1	
1/10/2017							0.83 (J)	
1/11/2017			1.4		<1			
1/12/2017	<1							
2/28/2017	<1		1.1				0.99 (J)	
3/1/2017					<1			
4/19/2017							0.97 (J)	
4/20/2017	<1		0.82 (J)		<1			
10/10/2017							<1	
10/11/2017	<1		<1		<1			
1/10/2018	<1						<1	
1/11/2018			<1		<1			
7/11/2018	<1		<1		<1		<1	
1/29/2019	1.2		0.52 (J)		<1		0.64 (J)	
3/26/2019	0.63		0.92		0.9			
3/27/2019							<1	
9/10/2019	0.93 (J)		0.83 (J)		0.83 (J)			
9/11/2019							0.76 (J)	
3/31/2020		1.4						
4/1/2020				0.67 (J)		0.73 (J)		0.95 (J)
9/15/2020		0.38 (J)		1.1		0.44 (J)		<1
3/16/2021		<1		<1		<1		<1





# Prediction Limit

Constituent: Sulfate Analysis Run 4/28/2021 4:46 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12	GWC-15[*GWB-15]	GWC-15[*GWB-15]	GWC-17	GWC-17	GWC-18	GWC-18
4/19/2016							4.84	
4/20/2016	0.601 (J)				2.93			
4/21/2016			0.503 (J)					
6/15/2016	0.8 (J)		0.62 (J)		1.8			
8/9/2016			<1		1.6			
8/10/2016	<1							
8/11/2016							5	
9/27/2016	<1		<1		1.5			
9/28/2016							5.1	
11/15/2016	<1		<1		1.3			
11/16/2016							4.9	
1/11/2017			<1		1.1		5.2	
1/12/2017	<1							
2/28/2017			<1					
3/1/2017	<1				1.3		4.6	
4/20/2017	<1		<1		0.77 (J)			
4/25/2017							4.6	
10/11/2017			<1		<1			
10/12/2017	<1						4	
12/13/2017							4	
1/11/2018	<1		<1		<1			
1/12/2018							4.5	
7/11/2018			<1		<1		5	
7/12/2018	<1							
1/29/2019			0.43 (J)		<1			
1/30/2019	0.65 (J)						5.8	
3/26/2019			0.79					
3/27/2019	0.67				<1		4.8	
9/11/2019	1		1.2		0.85 (J)		4.5	
4/1/2020		0.91 (J)		0.49 (J)		<1		4.1
9/15/2020				0.44 (J)		<1		2.7
9/16/2020		0.53 (J)						
3/16/2021		<1				<1		
3/17/2021				<1				3.5

# Prediction Limit

Constituent: Sulfate Analysis Run 4/28/2021 4:46 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21	GWC-23	GWC-23
4/19/2016	2.21							
4/21/2016			5.25		1.99			
6/16/2016	2.5		3.9		1.6			
8/10/2016	2.7		2.8		1.1		3.1	
9/27/2016			2.6		1.1			
9/28/2016	2.5						3.1	
11/15/2016	2.2		1.9		1			
11/16/2016							3.2	
1/12/2017					1.2			
1/13/2017			1.8					
1/16/2017	2.1							
1/17/2017							2.6	
3/1/2017	1.9		1.7		1.2			
3/2/2017							3.3	
4/24/2017					0.95 (J)			
4/25/2017	1.6		1.3				2.4	
7/13/2017							2.1	
10/12/2017	1.7		1.1		0.72 (J)		2.1	
1/11/2018					<1			
1/12/2018	1.5		0.86 (J)				1.9	
7/11/2018	1.4		0.9 (J)		<1			
7/12/2018							2	
1/29/2019	1.4		1.3					
1/30/2019					0.72 (J)		2.4	
3/27/2019	1.6		1.7		0.92		2.8	
9/11/2019	1.8		0.97 (J)		0.94 (J)		2.5	
4/1/2020		2.1		1.6		0.81 (J)		2
9/15/2020				0.67 (J)		0.56 (J)		1.9
9/16/2020		1.6						
3/16/2021		1.9		0.98 (J)				
3/17/2021						<1		1.8

# Prediction Limit

Constituent: Sulfate Analysis Run 4/28/2021 4:46 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]	GWC-5[*GWB-5]	GWC-5[*GWB-5]	GWC-9	GWC-9
4/19/2016					3.84	
4/20/2016	7.31		0.367 (J)			
6/14/2016	8.6		0.48 (J)			
6/15/2016					3.8	
8/9/2016			<1			
8/10/2016					1.6	
8/11/2016	3.7					
9/27/2016	4.6		<1		0.91 (J)	
11/14/2016	7.4					
11/15/2016			<1		<1	
1/10/2017	4.7					
1/11/2017			<1			
1/13/2017					<1	
2/28/2017	4.1		<1			
3/1/2017					1.5	
4/20/2017	5.9		<1			
4/24/2017					1.2	
10/10/2017	7.3					
10/11/2017			<1			
10/12/2017					2.3	
1/10/2018	7.6		<1			
1/12/2018					<1	
7/11/2018	14		<1			
7/12/2018					<1	
1/29/2019	8.7		<1			
1/30/2019					0.58 (J)	
3/26/2019	11		0.68			
3/27/2019					1.2	
9/10/2019	9.8		0.77 (J)			
9/11/2019					0.92 (J)	
3/31/2020		6.2		0.76 (J)		
4/1/2020						4.1
9/15/2020				<1		
9/16/2020		4.1				<1
3/17/2021		3.5		<1		<1

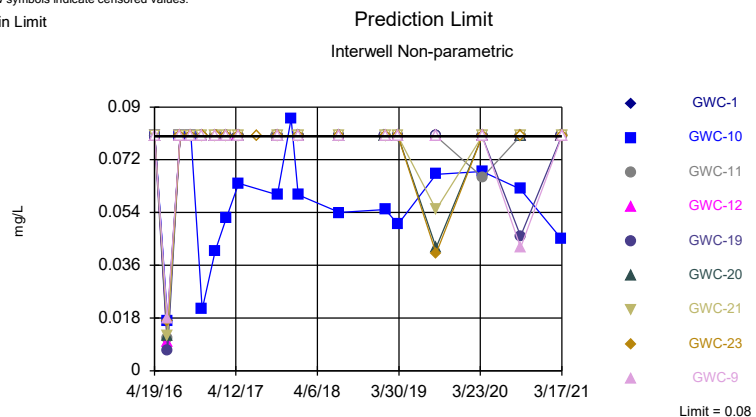
FIGURE H.

# Appendix III Interwell Prediction Limit - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 4/28/2021, 4:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.08	n/a	3/16/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.08	n/a	3/16/2021	0.045J	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.08	n/a	3/17/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.08	n/a	3/16/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.08	n/a	3/16/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.08	n/a	3/16/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.08	n/a	3/17/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.08	n/a	3/17/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.08	n/a	3/17/2021	0.08ND	No	170	n/a	90	n/a	n/a	0.00006849	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	3/16/2021	1.6	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	3/16/2021	18	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	3/17/2021	14	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	3/16/2021	0.62	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	3/16/2021	7	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	3/16/2021	1.4	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	3/17/2021	1.1	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	3/17/2021	0.99	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	3/17/2021	0.51	No	171	n/a	0	n/a	n/a	0.0000677	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	18	n/a	3/16/2021	5.8	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	18	n/a	3/16/2021	7.2	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	18	n/a	3/17/2021	4.6	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	18	n/a	3/16/2021	3.8	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	18	n/a	3/16/2021	6.5	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	18	n/a	3/16/2021	8	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	18	n/a	3/17/2021	6.7	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	18	n/a	3/17/2021	5.5	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	18	n/a	3/17/2021	9.5	No	170	n/a	0	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.74	n/a	3/16/2021	0.1ND	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	3/16/2021	0.18	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	3/17/2021	0.28	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	3/16/2021	0.1ND	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	3/16/2021	0.092J	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	3/16/2021	0.04J	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	3/17/2021	0.1ND	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	3/17/2021	0.1ND	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	3/17/2021	0.035J	No	171	n/a	64.91	n/a	n/a	0.0000677	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	3/16/2021	4.89	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-10	7.1	4.21	3/16/2021	6.48	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-11	7.1	4.21	3/17/2021	6.58	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-12	7.1	4.21	3/16/2021	4.97	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-19	7.1	4.21	3/16/2021	5.45	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-20	7.1	4.21	3/16/2021	4.78	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-21	7.1	4.21	3/17/2021	4.8	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-23	7.1	4.21	3/17/2021	4.97	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-9	7.1	4.21	3/17/2021	4.69	No	190	n/a	0	n/a	n/a	0.0001097	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-1	150	n/a	3/16/2021	29	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	3/16/2021	130	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	3/17/2021	81	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	3/16/2021	19	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	3/16/2021	65	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	3/16/2021	37	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	3/17/2021	24	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	3/17/2021	24	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	3/17/2021	40	No	170	n/a	11.76	n/a	n/a	0.00006849	NP Inter (normality) 1 of 2

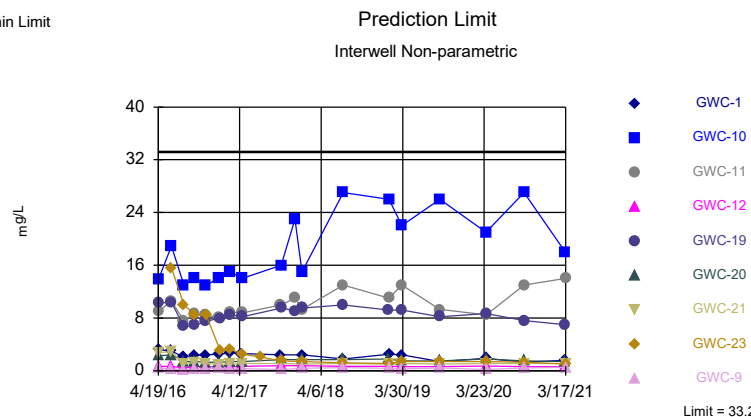
Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 170 background values. 90% NDs. Annual per-constituent alpha = 0.001232. Individual comparison alpha = 0.00006849 (1 of 2). Comparing 9 points to limit.

Constituent: Boron Analysis Run 4/28/2021 4:31 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

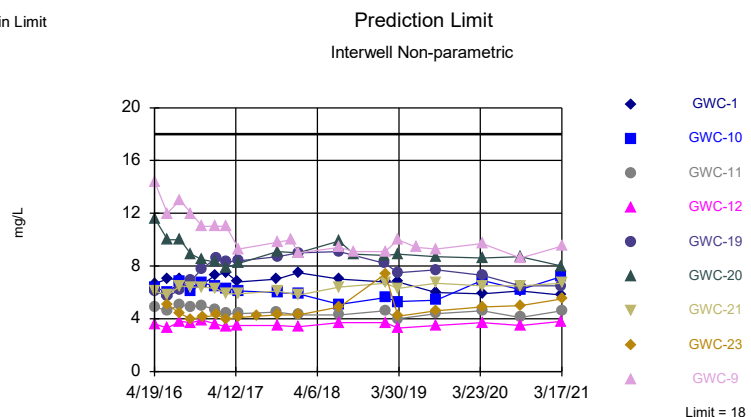
Sanitas™ v.9.6.28 . UG  
Within Limit



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 171 background values. Annual per-constituent alpha = 0.001218. Individual comparison alpha = 0.0000677 (1 of 2). Comparing 9 points to limit.

Constituent: Calcium Analysis Run 4/28/2021 4:31 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

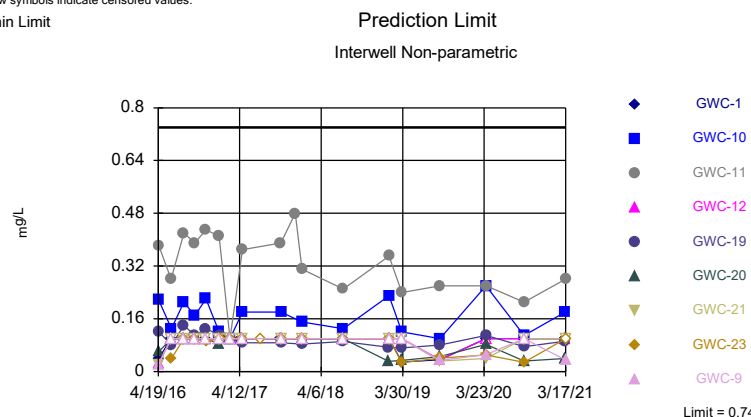
Sanitas™ v.9.6.28 . UG  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 170 background values. Annual per-constituent alpha = 0.001232. Individual comparison alpha = 0.00006849 (1 of 2). Comparing 9 points to limit.

Constituent: Chloride Analysis Run 4/28/2021 4:31 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.28 . UG  
Hollow symbols indicate censored values.  
Within Limit

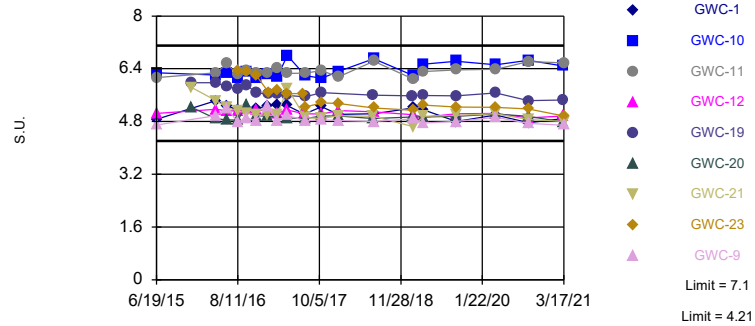


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 171 background values. 64.91% NDs. Annual per-constituent alpha = 0.001218. Individual comparison alpha = 0.0000677 (1 of 2). Comparing 9 points to limit.

Constituent: Fluoride Analysis Run 4/28/2021 4:31 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limits

Prediction Limit  
Interwell Non-parametric

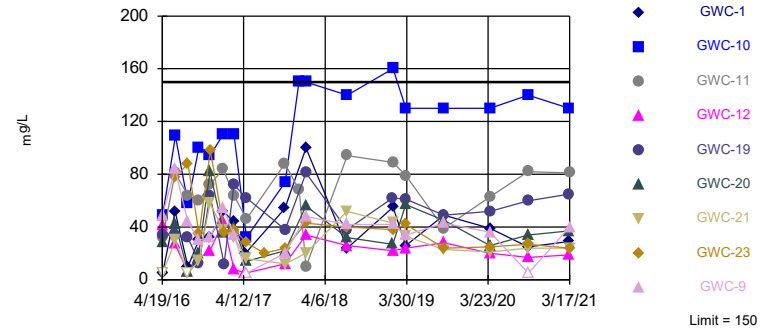


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 190 background values. Annual per-constituent alpha = 0.001974. Individual comparison alpha = 0.0001097 (1 of 2). Comparing 9 points to limit.

Constituent: pH Analysis Run 4/28/2021 4:31 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 170 background values. 11.76% NDs. Annual per-constituent alpha = 0.001232. Individual comparison alpha = 0.00006849 (1 of 2). Comparing 9 points to limit.

Constituent: Total Dissolved Solids Analysis Run 4/28/2021 4:31 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWC-9	GWC-11	GWC-17 (bg)	GWC-1	GWC-4A[*]GWB-4...
4/19/2016	<0.08	<0.08	<0.08	<0.08	<0.08				
4/20/2016						<0.08	<0.08	<0.08	<0.08
4/21/2016									
6/14/2016	0.0077 (J)			0.012 (J)					0.01 (J)
6/15/2016					0.018 (J)	0.011 (J)	0.0095 (J)	0.017 (J)	
6/16/2016		0.011 (J)	0.0069 (J)						
8/9/2016	<0.08			<0.08			<0.08		
8/10/2016			<0.08		<0.08	<0.08		<0.08	
8/11/2016		<0.08							<0.08
9/26/2016				<0.08					
9/27/2016	<0.08				<0.08	<0.08	<0.08	<0.08	<0.08
9/28/2016		<0.08	<0.08						
11/14/2016	<0.08								<0.08
11/15/2016			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	
11/16/2016		<0.08							
1/10/2017	<0.08			<0.08					<0.08
1/11/2017		<0.08					<0.08		
1/12/2017						<0.08		<0.08	
1/13/2017					<0.08				
1/16/2017			<0.08						
1/17/2017									
2/28/2017	<0.08			0.022 (J)					<0.08
3/1/2017		<0.08	<0.08		<0.08	<0.08	<0.08	<0.08	
3/2/2017									
4/19/2017	<0.08			<0.08					
4/20/2017							<0.08	<0.08	<0.08
4/24/2017					<0.08	<0.08			
4/25/2017		<0.08	<0.08						
7/13/2017									
10/10/2017				<0.08					<0.08
10/11/2017	<0.08					<0.08	<0.08	<0.08	
10/12/2017		<0.08	<0.08		<0.08				
12/12/2017									
1/10/2018	<0.08			<0.08					<0.08
1/11/2018						<0.08	<0.08	<0.08	
1/12/2018		<0.08	<0.08		<0.08				
7/11/2018	<0.08	<0.08	<0.08	<0.08			<0.08		<0.08
7/12/2018					<0.08	<0.08		<0.08	
1/29/2019	<0.08		<0.08	<0.08			<0.08		<0.08
1/30/2019		<0.08			<0.08	<0.08		<0.08	
3/26/2019									<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	
9/10/2019									0.052 (J)
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	
3/31/2020									<0.08
4/1/2020	<0.08	<0.08	<0.08	0.042 (J)	<0.08		<0.08	<0.08	
4/2/2020						0.066 (J)			
9/15/2020	0.061 (J)	<0.08		<0.08		<0.08	<0.08	<0.08	
9/16/2020			0.046 (J)		0.042 (J)				0.056 (J)
3/16/2021	<0.08		<0.08	<0.08			<0.08	<0.08	
3/17/2021		<0.08			<0.08	<0.08			<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16[*GWB-1...	GWC-5[*GWB-5]...	GWA-14 (bg)	GWA-13 (bg)	GWC-12	GWC-21	GWC-15[*GWB-1...	GWC-20	GWC-10
4/19/2016									
4/20/2016	<0.08	<0.08	<0.08	<0.08	<0.08				
4/21/2016						<0.08	<0.08	<0.08	<0.08
6/14/2016		0.011 (J)	0.0098 (J)	0.0086 (J)					
6/15/2016	0.0085 (J)				0.01 (J)		0.0095 (J)		
6/16/2016						0.012 (J)		0.012 (J)	0.017 (J)
8/9/2016	<0.08	<0.08	<0.08	<0.08			<0.08		
8/10/2016					<0.08	<0.08		<0.08	<0.08
8/11/2016									
9/26/2016									
9/27/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/28/2016									
11/14/2016									
11/15/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.021 (J)
11/16/2016									
1/10/2017									
1/11/2017	<0.08	<0.08	<0.08				<0.08		
1/12/2017				<0.08	<0.08	<0.08			0.041 (J)
1/13/2017								<0.08	
1/16/2017									
1/17/2017									
2/28/2017		<0.08	<0.08	<0.08			<0.08		
3/1/2017	<0.08				<0.08	<0.08		<0.08	0.052
3/2/2017									
4/19/2017									
4/20/2017	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08		
4/24/2017						<0.08			0.064
4/25/2017								<0.08	
7/13/2017									
10/10/2017									
10/11/2017	<0.08	<0.08	<0.08	<0.08			<0.08		
10/12/2017					<0.08	<0.08		<0.08	0.06
12/12/2017									0.086
1/10/2018		<0.08		<0.08					
1/11/2018	<0.08		<0.08		<0.08	<0.08	<0.08		0.06
1/12/2018								<0.08	
7/11/2018	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08	
7/12/2018					<0.08				0.054
1/29/2019	<0.08	<0.08	<0.08	<0.08			<0.08	<0.08	
1/30/2019					<0.08	<0.08			0.055
3/26/2019	<0.08	<0.08	<0.08	<0.08			<0.08		
3/27/2019					<0.08	<0.08		<0.08	0.05
9/10/2019	<0.08	<0.08	<0.08	0.061 (J)					
9/11/2019					<0.08	0.055 (J)	<0.08	0.042 (J)	0.067 (J)
3/31/2020		<0.08		<0.08					
4/1/2020	<0.08		<0.08		<0.08	<0.08	<0.08	<0.08	0.068 (J)
4/2/2020									
9/15/2020	<0.08	0.047 (J)	<0.08	<0.08		<0.08	<0.08	<0.08	0.062 (J)
9/16/2020					<0.08				
3/16/2021	<0.08		<0.08	<0.08	<0.08			<0.08	0.045 (J)
3/17/2021		<0.08				<0.08	<0.08		

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	0.017 (J)
8/9/2016	
8/10/2016	<0.08
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	<0.08
11/14/2016	
11/15/2016	
11/16/2016	<0.08
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	<0.08
2/28/2017	
3/1/2017	
3/2/2017	<0.08
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	<0.08
7/13/2017	<0.08
10/10/2017	
10/11/2017	
10/12/2017	<0.08
12/12/2017	
1/10/2018	
1/11/2018	
1/12/2018	<0.08
7/11/2018	
7/12/2018	<0.08
1/29/2019	
1/30/2019	<0.08
3/26/2019	
3/27/2019	<0.08
9/10/2019	
9/11/2019	0.04 (J)
3/31/2020	
4/1/2020	<0.08
4/2/2020	
9/15/2020	<0.08
9/16/2020	
3/16/2021	
3/17/2021	<0.08

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWA-3 (bg)	GWC-9	GWA-13 (bg)	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWC-4A[*GWB-4...
4/19/2016	26	10.3	0.485 (J)	1.13	0.431 (J)				
4/20/2016						0.389 (J)	4.39	0.472 (J)	1.12
4/21/2016									
6/14/2016			0.72	1		0.37 (J)	2.4		1.1
6/15/2016					0.27 (J)			0.42 (J)	
6/16/2016	33.2	10.4							
8/9/2016			0.24 (J)	0.71		0.14 (J)	2	0.19	
8/10/2016		6.7			0.13 (J)				
8/11/2016	18								1.9
9/26/2016			0.48						
9/27/2016				0.77	0.21 (J)	0.33	2.9	0.39	3.4
9/28/2016	17	6.9							
11/14/2016				0.75					3.1
11/15/2016		7.5	0.54		0.27	0.28	2.5	0.39	
11/16/2016	17								
1/10/2017			0.62	0.73					1.5
1/11/2017	15						2.5	0.36	
1/12/2017						0.37			
1/13/2017					0.41				
1/16/2017		8							
1/17/2017									
2/28/2017			0.91	0.76		0.26	2.7		1.1
3/1/2017	16	8.5			0.25			0.38	
3/2/2017									
4/19/2017			0.75	0.69					
4/20/2017						0.27	2.8	0.41	0.98
4/24/2017					0.34				
4/25/2017	17	8.2							
7/13/2017									
10/10/2017			0.54						0.8
10/11/2017				0.73		0.3	3.3	0.4	
10/12/2017	14	9.5			0.21 (J)				
12/12/2017		9.1							
12/13/2017	12								
1/10/2018			0.52	0.88		0.27	3.3		0.82
1/11/2018								0.43	
1/12/2018	15	9.5			0.4				
7/11/2018	12	10	0.5	0.81		0.32	3	0.45	1
7/12/2018					0.49				
1/29/2019		9.2	0.53	0.85		0.33	3.3	0.41	0.83
1/30/2019	14				0.38 (J)				
3/26/2019						0.3	2.8	0.37	0.53
3/27/2019	11	9.2	0.37	0.73	0.28				
9/10/2019						0.37 (J)	2.3	0.41 (J)	0.64
9/11/2019	13	8.2	0.43 (J)	0.76	0.44 (J)				
3/31/2020						0.42 (J)	2.9		0.8
4/1/2020	11	8.7	0.47 (J)	0.72	0.2 (J)			0.43 (J)	
4/2/2020									
9/15/2020	10		0.42 (J)	0.84		0.32 (J)	2.2	0.42 (J)	
9/16/2020		7.6			0.45 (J)				0.43 (J)
3/16/2021		7	0.4 (J)	0.75		0.4 (J)		0.48 (J)	
3/17/2021	9.1				0.51		2.4		0.33 (J)



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	15.6
8/9/2016	
8/10/2016	10
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	8.5
11/14/2016	
11/15/2016	
11/16/2016	8.4
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	3
2/28/2017	
3/1/2017	
3/2/2017	3.3
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	2.5
7/13/2017	2.1
10/10/2017	
10/11/2017	
10/12/2017	1.5
12/12/2017	
12/13/2017	
1/10/2018	
1/11/2018	
1/12/2018	1.4
7/11/2018	
7/12/2018	1.2
1/29/2019	
1/30/2019	1.1 (J)
3/26/2019	
3/27/2019	1.4
9/10/2019	
9/11/2019	1.4
3/31/2020	
4/1/2020	1.4
4/2/2020	
9/15/2020	1.3
9/16/2020	
3/16/2021	
3/17/2021	0.99

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWA-2 (bg)	GWA-3 (bg)	GWC-19	GWC-18 (bg)	GWA-13 (bg)	GWC-17 (bg)	GWC-5[*GWB-5]...	GWA-14 (bg)
4/19/2016	14.4	5.01	9.4	6.1	5.03				
4/20/2016						3.49	4.25	3.69	4.55
4/21/2016									
6/14/2016		5	8.3			3.4		3.5	4.3
6/15/2016	12						4.1		
6/16/2016				5.7	4.7				
8/9/2016		5.1	8.6			3.7	4.5	3.7	4.5
8/10/2016	13			6.2					
8/11/2016					5.3				
9/26/2016		5.1							
9/27/2016	12		6.3			3.8	4.4	3.6	4.4
9/28/2016				6.9	5.1				
11/14/2016			6.1						
11/15/2016	11	5.2		7.8		3.8	4.5	3.7	4.5
11/16/2016					5.2				
1/10/2017		4.9	6.1						
1/11/2017					5		4.2	3.5	4.3
1/12/2017						3.5			
1/13/2017	11								
1/16/2017				8.6					
1/17/2017									
2/28/2017		4.7	6.2			3.6		3.3	4
3/1/2017	11			8.3	4.6		3.9		
3/2/2017									
4/19/2017		4.4	5						
4/20/2017						3.4	4	3.3	4
4/24/2017	9.3								
4/25/2017				8.4	4.6				
7/13/2017									
10/10/2017		4.7							
10/11/2017			4.1			3.4	4.1	3.2	4
10/12/2017	9.8			8.7	4.6				
12/12/2017	10								
1/10/2018		4.6	4.2			3.4		3.2	
1/11/2018							4.1		3.9
1/12/2018	9			9	4.5				
7/11/2018		5	4.3	9.1	4.9	3.4	4.4	3.5	4.2
7/12/2018	9.4								
9/13/2018	9.1								
1/29/2019		5	4	8.2		3.6	4.5	3.6	4
1/30/2019	9.1				4.8				
3/26/2019						3.5		3.6	4.1
3/27/2019	10	4.5	3.5	7.5	4.3		4.1		
6/17/2019	9.4								
9/10/2019						3.3		3.5	4
9/11/2019	9.3	4.8	3.5	7.7	4.5		4.3		
3/31/2020						3.7		4.1	
4/1/2020	9.7	4.9	3.7	7.3	4.7		4.6		4.2
4/2/2020									
9/15/2020		4.9	3.4		4.4	3.5	4.3	18	4.3
9/16/2020	8.6			6.5					
3/16/2021		4.9	3.6	6.5		4	4.9		4.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWA-2 (bg)	GWA-3 (bg)	GWC-19	GWC-18 (bg)	GWA-13 (bg)	GWC-17 (bg)	GWC-5[*GWB-5]...	GWA-14 (bg)
3/17/2021	9.5				4.7			4.2	



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4...	GWA-16[*GWB-1...	GWC-1	GWC-11	GWC-12	GWC-21	GWC-20	GWC-10	GWC-15[*GWB-1...
4/19/2016									
4/20/2016	2.93	3.92	6.68	4.9	3.61				
4/21/2016						6.08	11.6	6.41	3.99
6/14/2016	2.9								
6/15/2016		3.8	7	4.6	3.3				3.5
6/16/2016						5.8	10	6	
8/9/2016		4							4
8/10/2016			7	5.1	3.8	6.5	10	6.8	
8/11/2016	3.6								
9/26/2016									
9/27/2016	3.4	3.9	6.4	4.9	3.7	6.4	8.9	6.1	3.9
9/28/2016									
11/14/2016	4.2								
11/15/2016		4	6.6	5	3.9	6.4	8.5	6.7	4
11/16/2016									
1/10/2017	3.6								
1/11/2017		3.7							3.8
1/12/2017			7.3	4.7	3.6	6.3		6.5	
1/13/2017							8.3		
1/16/2017									
1/17/2017									
2/28/2017	3.3								3.5
3/1/2017		3.5	7.5	4.4	3.4	5.9	7.9	6.3	
3/2/2017									
4/19/2017									
4/20/2017	3.5	3.6	6.8		3.5				3.3
4/24/2017				4.4		5.9		6.1	
4/25/2017							8.2		
7/13/2017									
10/10/2017	3.9								
10/11/2017		3.5	7	4.5					3.5
10/12/2017					3.5	6.1	9.1	6	
12/12/2017									
1/10/2018	3.3								
1/11/2018		3.4	7.5	4.3	3.4	5.8		5.9	3.4
1/12/2018							9		
7/11/2018	3.2	3.7				6.4	9.9		3.8
7/12/2018			7	4.3	3.7			5.1	
9/13/2018							8.9		
1/29/2019	3.4	3.8					8.8		3.7
1/30/2019			6.8	4.6	3.7	6.7		5.6	
3/26/2019	3.7	3.6							3.8
3/27/2019			6.8	4	3.3	6.3	8.9	5.3	
6/17/2019									
9/10/2019	3.6	3.7							
9/11/2019			6	4.4	3.5	6.7	8.7	5.4	3.7
3/31/2020	4.9								
4/1/2020		3.8	5.9		3.7	6.5	8.6	6.9	3.8
4/2/2020				4.6					
9/15/2020		3.7	6.1	4.1		6.5	8.7	6.2	3.6
9/16/2020	3.5				3.5				
3/16/2021		4.1	5.8		3.8		8	7.2	

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4... GWA-16[*GWB-1... GWC-1	GWC-11	GWC-12	GWC-21	GWC-20	GWC-10	GWC-15[*GWB-1...
3/17/2021	4.5	4.6		6.7			4

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	5.1
8/9/2016	
8/10/2016	4.4
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	4
11/14/2016	
11/15/2016	
11/16/2016	4.1
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	4.3
2/28/2017	
3/1/2017	
3/2/2017	4
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	4.1
7/13/2017	4.2
10/10/2017	
10/11/2017	
10/12/2017	4.3
12/12/2017	
1/10/2018	
1/11/2018	
1/12/2018	4.3
7/11/2018	
7/12/2018	4.9
9/13/2018	
1/29/2019	
1/30/2019	7.4
3/26/2019	
3/27/2019	4.2
6/17/2019	
9/10/2019	
9/11/2019	4.6
3/31/2020	
4/1/2020	4.9
4/2/2020	
9/15/2020	5
9/16/2020	
3/16/2021	

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23
3/17/2021	5.5

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2 (bg)	GWC-18 (bg)	GWA-3 (bg)	GWC-19	GWC-9	GWA-13 (bg)	GWA-16[*GWB-1...	GWC-17 (bg)	GWC-4A[*GWB-4...
4/19/2016	0.03 (J)	0.706	0.022 (J)	0.122 (J)	0.02 (J)				
4/20/2016						0.018 (J)	0.022 (J)	0.147 (J)	0.028 (J)
4/21/2016									
6/14/2016	0.02 (J)		<0.1			<0.1			<0.1
6/15/2016					<0.1		<0.1	0.1 (J)	
6/16/2016		0.56		0.08 (J)					
8/9/2016	<0.1		<0.1			<0.1	<0.1	0.16 (J)	
8/10/2016				0.14 (J)	<0.1				
8/11/2016		0.74							<0.1
9/26/2016	<0.1								
9/27/2016			<0.1		<0.1	<0.1	<0.1	0.14 (J)	<0.1
9/28/2016		0.7		0.11 (J)					
11/14/2016			<0.1						<0.1
11/15/2016	<0.1			0.13 (J)	<0.1	<0.1	<0.1	0.16 (J)	
11/16/2016		0.71							
1/10/2017	<0.1		<0.1						<0.1
1/11/2017		0.51					<0.1	0.16 (J)	
1/12/2017						<0.1			
1/13/2017					<0.1				
1/16/2017				0.11 (J)					
1/17/2017									
2/28/2017	<0.1		<0.1			<0.1			<0.1
3/1/2017		0.61		<0.1	<0.1		<0.1	<0.1	
3/2/2017									
4/19/2017	<0.1		<0.1						
4/20/2017						<0.1	<0.1	0.12 (J)	<0.1
4/24/2017					<0.1				
4/25/2017		0.65		0.087 (J)					
7/13/2017									
10/10/2017	<0.1								<0.1
10/11/2017			<0.1			<0.1	<0.1	0.11 (J)	
10/12/2017		0.6		0.087 (J)	<0.1				
12/13/2017		0.61							
1/10/2018	<0.1		<0.1			<0.1			<0.1
1/11/2018							<0.1	0.12 (J)	
1/12/2018		0.55		0.083 (J)	<0.1				
7/11/2018	<0.1	0.59	<0.1	0.091 (J)		<0.1	<0.1	0.13 (J)	<0.1
7/12/2018					<0.1				
1/29/2019	<0.1		<0.1	0.074 (J)		<0.1	<0.1	0.13 (J)	<0.1
1/30/2019		0.65			<0.1				
3/26/2019						<0.1	<0.1		<0.1
3/27/2019	<0.1	0.49	<0.1	0.072	<0.1			0.1	
9/10/2019						0.034 (J)	0.035 (J)		0.044 (J)
9/11/2019	0.037 (J)	0.47	0.033 (J)	0.08 (J)	0.034 (J)			0.099 (J)	
3/31/2020						0.046 (J)			0.043 (J)
4/1/2020	<0.1	0.59	<0.1	0.11	0.051 (J)		<0.1	0.15	
4/2/2020									
9/15/2020	0.029 (J)	0.49	<0.1			<0.1	<0.1	0.099 (J)	
9/16/2020				0.076 (J)	<0.1				<0.1
3/16/2021	0.033 (J)		<0.1	0.092 (J)		<0.1	<0.1	0.13	
3/17/2021		0.54			0.035 (J)				<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-11	GWA-14 (bg)	GWC-1	GWC-5[*GWB-5]...	GWC-15[*GWB-1...	GWC-21	GWC-20	GWC-10
4/19/2016									
4/20/2016	0.026 (J)	0.383	0.021 (J)	0.04 (J)	0.032 (J)				
4/21/2016						0.019 (J)	0.022 (J)	0.06 (J)	0.217 (J)
6/14/2016			<0.1		<0.1				
6/15/2016	<0.1	0.28 (J)		<0.1		<0.1			
6/16/2016							<0.1	<0.1	0.13 (J)
8/9/2016			<0.1		<0.1	<0.1			
8/10/2016	<0.1	0.42		<0.1			<0.1	<0.1	0.21
8/11/2016									
9/26/2016									
9/27/2016	<0.1	0.39	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.17 (J)
9/28/2016									
11/14/2016									
11/15/2016	<0.1	0.43	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.22
11/16/2016									
1/10/2017									
1/11/2017			<0.1		<0.1	<0.1			
1/12/2017	<0.1	0.41		<0.1			<0.1		0.12 (J)
1/13/2017								0.083 (J)	
1/16/2017									
1/17/2017									
2/28/2017			<0.1		<0.1	<0.1			
3/1/2017	<0.1	<0.1		<0.1			<0.1	<0.1	<0.1
3/2/2017									
4/19/2017									
4/20/2017	<0.1		<0.1	<0.1	<0.1	<0.1			
4/24/2017		0.37					<0.1		0.18 (J)
4/25/2017								<0.1	
7/13/2017									
10/10/2017									
10/11/2017		0.39	<0.1	<0.1	<0.1	<0.1			
10/12/2017	<0.1						<0.1	<0.1	0.18 (J)
12/13/2017		0.48							
1/10/2018					<0.1				
1/11/2018	<0.1	0.31	<0.1	<0.1		<0.1	<0.1		0.15 (J)
1/12/2018								<0.1	
7/11/2018			<0.1		<0.1	<0.1	<0.1	<0.1	
7/12/2018	<0.1	0.25		<0.1					0.13 (J)
1/29/2019			<0.1		<0.1	<0.1		0.031 (J)	
1/30/2019	<0.1	0.35		<0.1			<0.1		0.23 (J)
3/26/2019			<0.1		0.028	<0.1			
3/27/2019	<0.1	0.24		0.029			<0.1	0.034	0.12
9/10/2019			0.032 (J)		0.037 (J)				
9/11/2019	0.036 (J)	0.26		0.036 (J)		0.032 (J)	0.032 (J)	0.045 (J)	0.1
3/31/2020					0.061 (J)				
4/1/2020	<0.1		0.048 (J)	<0.1		0.05 (J)	0.04 (J)	0.082 (J)	0.26
4/2/2020		0.26							
9/15/2020		0.21	<0.1	<0.1	<0.1	<0.1	<0.1	0.032 (J)	0.11
9/16/2020	<0.1								
3/16/2021	<0.1		<0.1	<0.1				0.04 (J)	0.18
3/17/2021		0.28			0.026 (J)	<0.1	<0.1		

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	0.04 (J)
8/9/2016	
8/10/2016	<0.1
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	0.097 (J)
11/14/2016	
11/15/2016	
11/16/2016	0.092 (J)
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	<0.1
2/28/2017	
3/1/2017	
3/2/2017	<0.1
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	<0.1
7/13/2017	<0.1
10/10/2017	
10/11/2017	
10/12/2017	<0.1
12/13/2017	
1/10/2018	
1/11/2018	
1/12/2018	<0.1
7/11/2018	
7/12/2018	<0.1
1/29/2019	
1/30/2019	<0.1
3/26/2019	
3/27/2019	0.027
9/10/2019	
9/11/2019	0.041 (J)
3/31/2020	
4/1/2020	0.05 (J)
4/2/2020	
9/15/2020	0.028 (J)
9/16/2020	
3/16/2021	
3/17/2021	<0.1

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2021 4:34 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWA-3 (bg)	GWC-5[*GWB-5]...	GWC-11	GWC-10	GWC-4A[*GWB-4...GWC-1	GWA-2 (bg)	GWC-9
6/19/2015	5.05	5.23	5.95					
6/20/2015				6.13	6.28	4.92	4.87	4.69
12/14/2015								4.7
12/15/2015								
4/19/2016		4.92					4.99	4.98
4/20/2016	5.17		5.85	6.28		4.9	5.43	
4/21/2016					6.21			
6/14/2016		4.89	5.53			4.9		4.98
6/15/2016	5.12			6.55			5.28	5.2
6/16/2016					6.27			
8/9/2016		4.92	5.44				4.72	
8/10/2016	5.12			6.22	6.12		5.15	4.78
8/11/2016						5.37		
9/26/2016							4.74	
9/27/2016	5.19	5.25	5.59	6.33	6.29	5.89	5.19	4.91
9/28/2016								
11/14/2016		4.96				5.94		
11/15/2016	5.14		5.58	6.28	6.12		5.2	4.8
11/16/2016								4.81
1/10/2017		4.21				5.44	4.59	
1/11/2017			5.56					
1/12/2017	5.13			6.26	6.23		5.27	
1/13/2017								5.28
1/16/2017								
1/17/2017								
2/28/2017		4.95	5.53			5.49		4.91
3/1/2017	5.05			6.41	6.15		5.31	4.81
3/2/2017								
4/19/2017		5.12					4.98	
4/20/2017	5.15		5.63			5.51	5.29	
4/24/2017				6.26	6.8			4.99
4/25/2017								
7/13/2017								
7/17/2017							4.61	
7/18/2017		4.89	5.51			5.26		
7/19/2017							5.03	
7/20/2017	5.04							
7/24/2017				6.27	6.19			4.82
7/25/2017								
10/17/2017	5.03	4.96	5.62	6.35	6.11	5.28	5.25	4.93
1/10/2018		4.93	5.59			5.05		4.78
1/11/2018	5.13			6.15	6.32		5.02	
1/12/2018								4.83
7/11/2018		4.87 (D)	5.49			4.53		4.75 (D)
7/12/2018	5.09 (D)			6.63 (D)	6.7 (D)		5.04 (D)	4.8 (D)
1/29/2019		4.98	5.39			4.66		4.91
1/30/2019	5.01			6.09	6.2		5.21	4.88
3/26/2019			5.45			4.72		
3/27/2019	4.93	4.8		6.32	6.54		5.15	4.69
9/10/2019			5.71			4.72		4.75
9/11/2019	5.04	5.03		6.37	6.63		4.8	4.77
3/31/2020			5.45			5.06		4.8



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWA-3 (bg)	GWC-5[*GWB-5]...	GWC-11	GWC-10	GWC-4A[*GWB-4...GWC-1	GWA-2 (bg)	GWC-9
4/1/2020	5.05	4.92		6.38	6.52	5	4.77	4.93
4/2/2020								
9/15/2020		4.72	5.27	6.62	6.66	4.76	4.52	
9/16/2020	4.91					4.87		4.74
3/16/2021	4.97	4.91			6.48	4.89	4.76	
3/17/2021			4.8	6.58		4.9		4.69



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-20	GWC-21	GWA-16[*GWB-1...	GWC-19	GWC-15[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)
4/1/2020	5.3	6.15	5.03	5.04	4.95	5.67	5.35	5.26	
4/2/2020									
9/15/2020	5.29	6.13	4.96	4.86	5.02		4.92	5.83	5.07
9/16/2020						5.43			
3/16/2021	4.83		4.78		4.68	5.45		4.76	4.47
3/17/2021		5.99		4.8			5.41		

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

6/19/2015	
6/20/2015	
12/14/2015	
12/15/2015	
4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	
8/9/2016	
8/10/2016	6.34
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	6.29
11/14/2016	
11/15/2016	
11/16/2016	6.18
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	5.68
2/28/2017	
3/1/2017	
3/2/2017	5.75
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	5.65
7/13/2017	5.65
7/17/2017	
7/18/2017	
7/19/2017	
7/20/2017	
7/24/2017	
7/25/2017	5.24
10/17/2017	5.37
1/10/2018	
1/11/2018	
1/12/2018	5.35
7/11/2018	
7/12/2018	5.21 (D)
1/29/2019	
1/30/2019	5.14
3/26/2019	
3/27/2019	5.3
9/10/2019	
9/11/2019	5.24
3/31/2020	

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23
4/1/2020	5.23
4/2/2020	
9/15/2020	5.18
9/16/2020	
3/16/2021	
3/17/2021	4.97

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWC-9	GWC-11	GWC-17 (bg)	GWC-1	GWC-4A[*GWB-4...
4/19/2016	<10	106	34	<10	49				
4/20/2016						32	29	<10	<10
4/21/2016									
6/14/2016	46			55					67
6/15/2016					84	81	85	52	
6/16/2016		150	34						
8/9/2016	18			6			<10		
8/10/2016			32		44	64		10	
8/11/2016		78							<10
9/26/2016				24					
9/27/2016	30				30	60	6	30	28
9/28/2016		43	13						
11/14/2016	26								48
11/15/2016			64	38	32	72	24	32	
11/16/2016		140							
1/10/2017	18			18					22
1/11/2017		64					20		
1/12/2017						84		52	
1/13/2017					54				
1/16/2017			12						
1/17/2017									
2/28/2017	22			12					32
3/1/2017		88	72		34	64	38	44	
3/2/2017									
4/19/2017	14			14					
4/20/2017							6	20	20
4/24/2017					<10	46			
4/25/2017		92	62						
7/13/2017									
10/10/2017				10					24
10/11/2017	30					88	48	54	
10/12/2017		54	38		20				
12/12/2017									
12/13/2017						68			
1/10/2018	28			6					42
1/11/2018						10	18	100	
1/12/2018		110	81		48				
7/11/2018	12 (J)	16 (J)	38 (J)	16 (J)			22 (J)		<5 (J)
7/12/2018					42 (J)	94 (J)		24 (J)	
1/29/2019	27		62	36			37		26
1/30/2019		100 (J)			42 (J)	89 (J)		55 (J)	
3/26/2019									39
3/27/2019	35	79	61	36	34	79	38	26	
9/10/2019									36
9/11/2019	15	45	49	28	43	39	31	49	
3/31/2020									27
4/1/2020	20	73	52	32	36		27	39	
4/2/2020						63			
9/15/2020	<10	64		22		82	26	25	
9/16/2020			60		<10				21
3/16/2021	25		65	24			25	29	
3/17/2021		59			40	81			36

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16[*GWB-1...	GWC-5[*GWB-5]...	GWA-14 (bg)	GWA-13 (bg)	GWC-12	GWC-21	GWC-15[*GWB-1...	GWC-20	GWC-10
4/19/2016									
4/20/2016	<10	<10	<10	<10	41				
4/21/2016						<10	<10	28	49
6/14/2016		62	65	47					
6/15/2016	67				27		58		
6/16/2016						30		42	109
8/9/2016	4 (J)	6	24	10			6		
8/10/2016					6	<10		6	58
8/11/2016									
9/26/2016									
9/27/2016	18	10	14	16	16	14	16	20	100
9/28/2016									
11/14/2016									
11/15/2016	26	32	18	4 (J)	22	58	18	82	94
11/16/2016									
1/10/2017									
1/11/2017	<10	12	6				8		
1/12/2017				26	44	38			110
1/13/2017								36	
1/16/2017									
1/17/2017									
2/28/2017		<10	14	6			4 (J)		
3/1/2017	6				8	32		40	110
3/2/2017									
4/19/2017									
4/20/2017	<10	34	<10	<10	<10		10		
4/24/2017						16			32
4/25/2017								14	
7/13/2017									
10/10/2017									
10/11/2017	24	40	22	32			26		
10/12/2017					12	12		22	74
12/12/2017									150
12/13/2017									
1/10/2018		48		10					
1/11/2018	6		36		34	20	56		150
1/12/2018								56	
7/11/2018	24 (J)	22 (J)	20 (J)	28 (J)		52 (J)	<5 (J)	32 (J)	
7/12/2018					26 (J)				140 (J)
1/29/2019	26	34	22	24			23	27	
1/30/2019					22 (J)	43 (J)			160 (J)
3/26/2019	27	21	17	<10			17		
3/27/2019					24	33		57	130
9/10/2019	13	13	16	21					
9/11/2019					28	23	15	45	130
3/31/2020		28		17					
4/1/2020	15		<10		20	21	21	26	130
4/2/2020									
9/15/2020	14	23	17	17		24	13	34	140
9/16/2020					17				
3/16/2021	20		17	23	19			37	130
3/17/2021		31				24	29		

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/28/2021 4:34 PM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

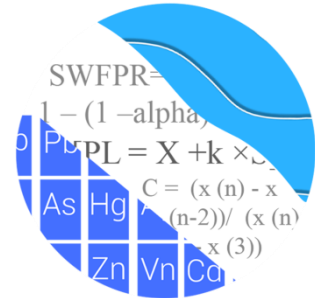
4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	78
8/9/2016	
8/10/2016	88
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	35
11/14/2016	
11/15/2016	
11/16/2016	98
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	36
2/28/2017	
3/1/2017	
3/2/2017	38
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	28
7/13/2017	20
10/10/2017	
10/11/2017	
10/12/2017	24
12/12/2017	
12/13/2017	
1/10/2018	
1/11/2018	
1/12/2018	43
7/11/2018	
7/12/2018	40
1/29/2019	
1/30/2019	38 (J)
3/26/2019	
3/27/2019	42
9/10/2019	
9/11/2019	24
3/31/2020	
4/1/2020	25
4/2/2020	
9/15/2020	27
9/16/2020	
3/16/2021	
3/17/2021	24



# GROUNDWATER STATS CONSULTING

January 31, 2022

Southern Company Services  
Attn: Ms. Lauren Coker  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308



Re: Plant McIntosh Landfill #4  
August 2021 Statistical Analysis

Dear Ms. Coker,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2021 Semi-Annual Groundwater Detection Monitoring statistical analysis for Georgia Power Company's McIntosh Landfill #4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling 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 2006. 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:** GWA-2, GWA-3, GWC-4A[\*GWB-4A], GWC-5[\*GWB-5], GWA-13, GWA-14, GWC-15[\*GWB-15], GWA-16[\*GWB-16], GWC-17, and GWC-18

- **Downgradient:** GWC-1, GWC-9, GWC-10, GWC-11, GWC-12, GWC-19, GWC-20, GWC-21, and GWC-23

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager of Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III** - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I** - antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of well/constituent pairs with 100% non-detects follows this letter. Since mercury was not required by the previous permit, time series and box plots are provided, but no statistical analyses were required for this constituent.

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 which can result in a different reporting limit for individual wells. Examples of changes in reporting limits include sulfate in well GWC-5[\*GWB-5], which decreased from 5 mg/L to 1 mg/L. This substitution method generally gives the most conservative limit in each case. 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.

Data at all wells were evaluated during the background screening in 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided in the previous screening to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

**Georgia EPD Appendix I Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan (all Georgia EPD parameters)
- # Constituents: 15 (Mercury not included)
- # Downgradient wells: 9

**CCR Appendix III Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (sulfate)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, and TDS)
- # Constituents: 7
- # Downgradient wells: 9

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 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 (or 1-of-3) 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 (the 1-of-3 resample plan allows up to 2 independent resamples) 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 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 a 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 provide reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than facility impact.

## **Background Screening Summary – Georgia EPD Appendix I Constituents – Conducted in August 2019**

### Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters 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 are not flagged in the database at that 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 are replaced with the most recent reporting limit, previously flagged “J” values (or estimated values) may require flagging as outliers if they are much higher than current reporting limits. This was not required during the 2019 screening.

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. All flagged values were re-evaluated during the June 2020 analysis. An additional value of cobalt was flagged in well GWC-21. Values for several constituents were unflagged when they were only slightly higher than other detected values and appeared to represent natural variation. The resulting prediction limits will still be conservative, yet less prone to false positives. 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 is applied when varying detection limits exist in the 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.

## Trend Tests

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

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 are deselected as necessary. A few statistically significant increasing trends were noted for barium in wells GWA-2, GWC-1, and GWC-5 (formerly GWB-5) and adjustments were made to eliminate the trend. The trend test results were included with the screening report, and a summary report of special cases of date ranges used in construction of the statistical limits follows this report.

## 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 significant differences among upgradient well data for: arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, nickel, and thallium. No significant differences were noted for antimony, lead, selenium, vanadium, and zinc. The ANOVA could not test silver as there was no variation in the measurements among the upgradient wells.

Where variation is not identified, this suggests that interwell analysis would be the most appropriate statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level

concentrations, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

### **Background Update Summary – CCR Appendix III – Conducted in March 2020**

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data from all wells for intrawell parameters (sulfate) and upgradient wells for interwell parameters (boron, calcium, chloride, fluoride, pH, and TDS) through September 2019. Tukey's test noted potential outliers for all parameters except boron and fluoride, but not all of these values were flagged as most appeared to be representative of natural variation. Only values for sulfate in upgradient well GSC-18 and downgradient well GWC-23 were flagged. As mentioned above, any flagged data 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.

For constituents requiring intrawell prediction limits (only sulfate in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through April 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the following well/constituent pairs: sulfate in downgradient wells GWC-19, GWC-20, GWC-21, and GWC-23.

Typically, when the test concludes that the medians of the two groups are 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. The more recent sulfate concentrations in all four cases with statistically significant Mann-Whitney results tended toward more stable concentrations at slightly lower levels than before; therefore, all four cases were updated and a summary of these results was included in the March 2020 background update.

### **Statistical Analysis of Georgia EPD Appendix I Constituents – August 2021**

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data



population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

### Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-3 resample plan, were constructed using all available data, except for the cases mentioned above, through July 2018 within each well with detections. (Figure D). Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. As mentioned above, no statistical analyses were included for well/constituent pairs with 100% non-detects.

In the event of an initial exceedance of compliance well data, the 1-of-3 resample plan allows for collection of two additional samples to determine whether the initial exceedance is confirmed. When the 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 any 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 of prediction limits follows this report (Figure D). Statistical exceedances were noted for the following well/constituent pairs:

- Barium: GWA-2 and GWA-13 (both upgradient)
- Vanadium: GWC-17 (upgradient)
- Zinc: GWC-12 and GWC-19

## Two-Step Approach

Following the two-step analysis procedure, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the intrawell prediction limit exceedances for the downgradient well/constituent pairs mentioned above (Figure E). The reported measurements for zinc of 0.0081 mg/L in downgradient well GWC-12 and 0.017 mg/L in downgradient well GWC-19 were within the respective interwell prediction limit of 0.5 mg/L; therefore, 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 statistically increasing, decreasing, or stable (Figure F). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this report (Figure F). The following statistically significant trend was noted:

Increasing

- Zinc: GWA-14 (upgradient)

## **Statistical Analysis of CCR Appendix III Parameters – August 2021**

### Intrawell Prediction Limits

For sulfate, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (Figure G). As mentioned above, intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The August 2021 samples are compared to these intrawell background limits during this subsequent semi-annual sampling event.

### Interwell Prediction Limits

For boron, calcium, chloride, fluoride, pH, and TDS, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through August 2021 (Figure H). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from

each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs). Note that for TDS, a nonparametric prediction limit was used in lieu of a parametric limit due to the variation among upgradient wells and in an effort to construct more conservative (i.e., lower) statistical 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. Summary tables of the Appendix III prediction limits follow this letter (Figures G and H). No apparent intrawell or interwell prediction limit exceedances were noted; therefore, no further action was necessary.

### Trend Tests

While this step was not necessary for the Appendix III parameters, when data from downgradient well/constituent pairs are found to exceed their respective prediction limits, data are further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents.

### **Summary**

Based on the results of the Appendix I and III constituents requiring intrawell prediction limits combined with interwell prediction limits to evaluate apparent exceedances according to the Two-Step Approach, as well as the Appendix III constituents evaluated using interwell prediction limits, no statistically significant increases were identified.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant McIntosh's Landfill #4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Abdul Diane  
Groundwater Analyst



Andrew Collins  
Project Manager

# 100% Non-Detects: Appendix I

Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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Antimony (mg/L)

GWA-16[\*GWB-16], GWC-1, GWC-10, GWC-11, GWC-12, GWC-15[\*GWB-15], GWC-17, GWC-19, GWC-20, GWC-21, GWC-23, GWC-4A[\*GWB-4A], GWC-5[\*GWB-5], GWC-9

Arsenic (mg/L)

GWA-2

Cadmium (mg/L)

GWA-2, GWA-3, GWC-1, GWC-10, GWC-11, GWC-12, GWC-15[\*GWB-15], GWC-5[\*GWB-5], GWC-9

Copper (mg/L)

GWC-10

Lead (mg/L)

GWA-3, GWC-1, GWC-10, GWC-12, GWC-15[\*GWB-15], GWC-17, GWC-19, GWC-9

Selenium (mg/L)

GWA-14, GWC-12, GWC-17, GWC-23

Silver (mg/L)

GWA-13, GWA-14, GWA-16[\*GWB-16], GWA-2, GWA-3, GWC-1, GWC-10, GWC-12, GWC-15[\*GWB-15], GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-23, GWC-4A[\*GWB-4A], GWC-5[\*GWB-5], GWC-9

Thallium (mg/L)

GWC-1, GWC-15[\*GWB-15]

# Date Ranges

Date: 9/24/2021 2:23 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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Barium (mg/L)

GWA-2 background: 1/16/2015-7/11/2018

GWC-1 background: 1/20/2013-1/11/2018

GWC-5[\*GWB-5] background: 1/19/2013-7/11/2018

# Appendix I Intrawell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWA-13	0.01736	n/a	8/18/2021	0.018	Yes	16	0.01503	0.001248	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-2	0.036	n/a	8/17/2021	0.037	Yes	14	0.00003138	0.000007789	0	None	x^3	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-17	0.001	n/a	8/19/2021	0.0013	Yes	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005828	n/a	8/18/2021	0.0081	Yes	31	0.1507	0.01782	32.26	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-19	0.009538	n/a	8/19/2021	0.017	Yes	10	0.05943	0.01719	40	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh    Client: Southern Company    Data: McIntosh LF4 CCR    Printed 9/26/2021, 9:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-13	0.002	n/a	8/18/2021	0.002ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-14	0.002	n/a	8/17/2021	0.002ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-2	0.002	n/a	8/17/2021	0.002ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.0022	n/a	8/17/2021	0.002ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.002	n/a	8/19/2021	0.002ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-13	0.001	n/a	8/18/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-14	0.001	n/a	8/17/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-16[*GWB-16]	0.001	n/a	8/17/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.001	n/a	8/17/2021	0.001ND	No	36	n/a	n/a	94.44	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.0004J	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0013	n/a	8/18/2021	0.00045J	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	8/18/2021	0.0013	No	37	n/a	n/a	70.27	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.001	n/a	8/18/2021	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15[*GWB-15]	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-17	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001229	n/a	8/19/2021	0.00059J	No	16	0.0008124	0.0002231	31.25	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-19	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-21	0.0022	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001734	n/a	8/19/2021	0.001ND	No	11	0.02695	0.006873	45.45	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-4A[*GWB-4A]	0.0027	n/a	8/19/2021	0.001ND	No	37	n/a	n/a	75.68	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5[*GWB-5]	0.0027	n/a	8/19/2021	0.001ND	No	39	n/a	n/a	94.87	n/a	n/a	0.0008849	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.001	n/a	8/19/2021	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
<b>Barium (mg/L)</b>	<b>GWA-13</b>	<b>0.01736</b>	<b>n/a</b>	<b>8/18/2021</b>	<b>0.018</b>	<b>Yes</b>	<b>16</b>	<b>0.01503</b>	<b>0.001248</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Barium (mg/L)	GWA-14	0.018	n/a	8/17/2021	0.014	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWA-16[*GWB-16]	0.02941	n/a	8/17/2021	0.024	No	16	0.02437	0.002701	0	None	No	0.0003901	Param Intra 1 of 3
<b>Barium (mg/L)</b>	<b>GWA-2</b>	<b>0.036</b>	<b>n/a</b>	<b>8/17/2021</b>	<b>0.037</b>	<b>Yes</b>	<b>14</b>	<b>0.00003138</b>	<b>0.000007789</b>	<b>0</b>	<b>None</b>	<b>x^3</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Barium (mg/L)	GWA-3	0.02553	n/a	8/17/2021	0.015	No	34	0.1258	0.02092	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-1	0.05613	n/a	8/18/2021	0.034	No	18	0.04063	0.008527	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.03867	n/a	8/18/2021	0.018	No	37	-3.803	0.3426	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.026	n/a	8/18/2021	0.011	No	36	n/a	n/a	0	n/a	n/a	0.000111	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.01492	n/a	8/18/2021	0.01	No	37	0.01205	0.001788	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-15[*GWB-15]	0.02811	n/a	8/19/2021	0.022	No	16	0.0247	0.001826	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-17	0.02102	n/a	8/19/2021	0.017	No	16	0.01799	0.001626	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.05567	n/a	8/19/2021	0.013	No	16	0.02955	0.01398	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.057	n/a	8/19/2021	0.0095J	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-20	0.04774	n/a	8/19/2021	0.017	No	16	-3.606	0.3019	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-21	0.02848	n/a	8/19/2021	0.018	No	16	-4.006	0.2397	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.08327	n/a	8/19/2021	0.019	No	11	0.05264	0.01433	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-4A[*GWB-4A]	0.03562	n/a	8/19/2021	0.013	No	37	0.02411	0.007165	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-5[*GWB-5]	0.06741	n/a	8/19/2021	0.038	No	19	0.04233	0.014	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.03144	n/a	8/19/2021	0.024	No	37	0.02404	0.004605	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWA-13	0.0025	n/a	8/18/2021	0.0025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-14	0.0025	n/a	8/17/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	8/17/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	n/a	8/17/2021	0.00018J	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-3	0.0025	n/a	8/17/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-1	0.0025	n/a	8/18/2021	0.00018J	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0025	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.0025	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0025	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-17	0.0006922	n/a	8/19/2021	0.00057J	No	15	0.000572	0.00006281	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWC-18	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-20	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.0025	n/a	8/19/2021	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	8/19/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5[*GWB-5]	0.0025	n/a	8/19/2021	0.0025ND	No	39	n/a	n/a	92.31	n/a	n/a	0.0008849	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0025	n/a	8/19/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-13	0.0025	n/a	8/18/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-14	0.0025	n/a	8/17/2021	0.00036J	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	8/17/2021	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-17	0.000773	n/a	8/19/2021	0.00057J	No	16	0.0005946	0.00009557	0	None	No	0.0003901	Param Intra 1 of 3
Cadmium (mg/L)	GWC-18	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-19	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-20	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-21	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-23	0.0025	n/a	8/19/2021	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	8/19/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-13	0.0094	n/a	8/18/2021	0.002ND	No	14	n/a	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-14	0.0047	n/a	8/17/2021	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-16[*GWB-16]	0.003104	n/a	8/17/2021	0.0019J	No	15	0.03555	0.01054	46.67	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-2	0.002707	n/a	8/17/2021	0.0016J	No	36	0.03983	0.007574	22.22	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-3	0.002978	n/a	8/17/2021	0.0015J	No	36	-6.609	0.4922	33.33	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-1	0.005	n/a	8/18/2021	0.0018J	No	37	n/a	n/a	35.14	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-10	0.01	n/a	8/18/2021	0.0026	No	37	n/a	n/a	24.32	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.009367	n/a	8/18/2021	0.004	No	37	0.005969	0.002115	2.703	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-12	0.01	n/a	8/18/2021	0.0037	No	37	n/a	n/a	21.62	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-15[*GWB-15]	0.0051	n/a	8/19/2021	0.002ND	No	15	n/a	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-17	0.01	n/a	8/19/2021	0.0027	No	15	n/a	n/a	33.33	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-18	0.004525	n/a	8/19/2021	0.0025	No	15	-6.131	0.3833	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-19	0.00396	n/a	8/19/2021	0.0015J	No	15	-6.281	0.3916	13.33	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-20	0.005	n/a	8/19/2021	0.0018J	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.0044	n/a	8/19/2021	0.002ND	No	14	n/a	n/a	85.71	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-23	0.0025	n/a	8/19/2021	0.0023	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-4A[*GWB-4A]	0.0096	n/a	8/19/2021	0.002ND	No	37	n/a	n/a	67.57	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5[*GWB-5]	0.0054	n/a	8/19/2021	0.002ND	No	38	n/a	n/a	65.79	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-9	0.0043	n/a	8/19/2021	0.002ND	No	36	n/a	n/a	63.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-13	0.002313	n/a	8/18/2021	0.00058J	No	16	0.0307	0.009318	12.5	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-14	0.0025	n/a	8/17/2021	0.00048J	No	16	n/a	n/a	43.75	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWA-16[*GWB-16]	0.001798	n/a	8/17/2021	0.00043J	No	16	-7.257	0.5015	6.25	None	ln(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-2	0.01	n/a	8/17/2021	0.0015J	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0025	n/a	8/17/2021	0.00039J	No	36	n/a	n/a	88.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-1	0.0025	n/a	8/18/2021	0.0018J	No	37	n/a	n/a	51.35	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.0025	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.0071	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	81.08	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.012	n/a	8/18/2021	0.00065J	No	37	n/a	n/a	54.05	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	8/19/2021	0.0004J	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-17	0.002397	n/a	8/19/2021	0.00023J	No	16	0.001142	0.0006723	12.5	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-18	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-20	0.007687	n/a	8/19/2021	0.00088J	No	16	0.003524	0.00223	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-21	0.002328	n/a	8/19/2021	0.00077J	No	15	0.001647	0.0003563	6.667	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-23	0.01056	n/a	8/19/2021	0.0025	No	11	0.006409	0.001944	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-4A[*GWB-4A]	0.013	n/a	8/19/2021	0.0013J	No	37	n/a	n/a	59.46	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5[*GWB-5]	0.011	n/a	8/19/2021	0.00079J	No	39	n/a	n/a	51.28	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.0055	n/a	8/19/2021	0.00063J	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-13	0.002	n/a	8/18/2021	0.002ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-14	0.002	n/a	8/17/2021	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-16[*GWB-16]	0.002	n/a	8/17/2021	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-2	0.003	n/a	8/17/2021	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0034	n/a	8/17/2021	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-1	0.002	n/a	8/18/2021	0.002ND	No	30	n/a	n/a	100	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.0027	n/a	8/18/2021	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.002	n/a	8/18/2021	0.00096J	No	31	n/a	n/a	100	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15[*GWB-15]	0.002	n/a	8/19/2021	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.0021	n/a	8/19/2021	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-18	0.002	n/a	8/19/2021	0.00089J	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-19	0.002	n/a	8/19/2021	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.002	n/a	8/19/2021	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-21	0.002	n/a	8/19/2021	0.002ND	No	9	n/a	n/a	77.78	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	n/a	8/19/2021	0.0013J	No	5	n/a	n/a	80	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	8/19/2021	0.00087J	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5[*GWB-5]	0.0021	n/a	8/19/2021	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0021	n/a	8/19/2021	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-13	0.001	n/a	8/18/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-14	0.001	n/a	8/17/2021	0.00021J	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-16[*GWB-16]	0.001	n/a	8/17/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-2	0.001	n/a	8/17/2021	0.00081J	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.001	n/a	8/18/2021	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.001	n/a	8/19/2021	0.00037J	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-21	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-23	0.001	n/a	8/19/2021	0.001ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3



# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	8/19/2021	0.001ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5[*GWB-5]	0.001	n/a	8/19/2021	0.001ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-13	0.001	n/a	8/18/2021	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-14	0.0025	n/a	8/17/2021	0.00061J	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-16[*GWB-16]	0.001	n/a	8/17/2021	0.00052J	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-2	0.0043	n/a	8/17/2021	0.00097J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.001	n/a	8/17/2021	0.00047J	No	29	n/a	n/a	100	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-1	0.0025	n/a	8/18/2021	0.0014	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-10	0.0013	n/a	8/18/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.0049	n/a	8/18/2021	0.00034J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.0057	n/a	8/18/2021	0.00097J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-15[*GWB-15]	0.001	n/a	8/19/2021	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-17	0.004116	n/a	8/19/2021	0.0017	No	10	0.00261	0.0006773	10	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-18	0.0021	n/a	8/19/2021	0.0011	No	10	0.001687	0.0001857	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-19	0.002889	n/a	8/19/2021	0.0012	No	10	0.0019	0.0004447	0	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-20	0.006567	n/a	8/19/2021	0.00092J	No	10	0.003595	0.001337	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-21	0.0025	n/a	8/19/2021	0.00067J	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-23	0.004782	n/a	8/19/2021	0.0013	No	5	0.001907	0.0006403	20	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-4A[*GWB-4A]	0.0072	n/a	8/19/2021	0.00065J	No	31	n/a	n/a	74.19	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5[*GWB-5]	0.0031	n/a	8/19/2021	0.00043J	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.0033	n/a	8/19/2021	0.00038J	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-13	0.005	n/a	8/18/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-16[*GWB-16]	0.005	n/a	8/17/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-2	0.005	n/a	8/17/2021	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-3	0.005	n/a	8/17/2021	0.005ND	No	37	n/a	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-1	0.005	n/a	8/18/2021	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-10	0.005	n/a	8/18/2021	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.005	n/a	8/18/2021	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-15[*GWB-15]	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-18	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-19	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-20	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-21	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-4A[*GWB-4A]	0.005	n/a	8/19/2021	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5[*GWB-5]	0.005	n/a	8/19/2021	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.0000959	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.0058	n/a	8/19/2021	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.001	n/a	8/18/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-13	0.001	n/a	8/18/2021	0.00016J	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-14	0.001	n/a	8/17/2021	0.0006J	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-16[*GWB-16]	0.001	n/a	8/17/2021	0.00025J	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-2	0.001	n/a	8/17/2021	0.00062J	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-3	0.001	n/a	8/17/2021	0.00015J	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-10	0.001	n/a	8/18/2021	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-11	0.001	n/a	8/18/2021	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-12	0.001	n/a	8/18/2021	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-17	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-18	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Thallium (mg/L)	GWC-19	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-20	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-21	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-23	0.001	n/a	8/19/2021	0.001ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	8/19/2021	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5[*GWB-5]	0.001	n/a	8/19/2021	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.001	n/a	8/19/2021	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-13	0.0018	n/a	8/18/2021	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-14	0.001	n/a	8/17/2021	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-16[*GWB-16]	0.0015	n/a	8/17/2021	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-2	0.0051	n/a	8/17/2021	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.005	n/a	8/17/2021	0.001ND	No	30	n/a	n/a	83.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-1	0.0032	n/a	8/18/2021	0.0011	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.0087	n/a	8/18/2021	0.0015	No	31	n/a	n/a	80.65	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	8/18/2021	0.0018	No	30	n/a	n/a	73.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.0075	n/a	8/18/2021	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15[*GWB-15]	0.0017	n/a	8/19/2021	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
<b>Vanadium (mg/L)</b>	<b>GWC-17</b>	<b>0.001</b>	<b>n/a</b>	<b>8/19/2021</b>	<b>0.0013</b>	<b>Yes</b>	<b>10</b>	<b>n/a</b>	<b>n/a</b>	<b>90</b>	<b>n/a</b>	<b>n/a</b>	<b>0.00344</b>	<b>NP Intra (NDs) 1 of 3</b>
Vanadium (mg/L)	GWC-18	0.005391	n/a	8/19/2021	0.003	No	10	0.00283	0.001152	0	None	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-19	0.006157	n/a	8/19/2021	0.0015	No	10	0.1199	0.02849	20	Kaplan-Meier	x <sup>2</sup> (1/3)	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-20	0.0074	n/a	8/19/2021	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

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-21	0.0058	n/a	8/19/2021	0.001	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-23	0.006305	n/a	8/19/2021	0.0011	No	5	0.001498	0.001071	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-4A[*GWB-4A]	0.0033	n/a	8/19/2021	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5[*GWB-5]	0.0035	n/a	8/19/2021	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0091	n/a	8/19/2021	0.001ND	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-13	0.00446	n/a	8/18/2021	0.005ND	No	10	0.003017	0.0006491	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-14	0.01002	n/a	8/17/2021	0.005ND	No	10	-5.575	0.437	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-16[*GWB-16]	0.005037	n/a	8/17/2021	0.005ND	No	10	0.003817	0.000549	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	n/a	8/17/2021	0.004J	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWA-3	0.045	n/a	8/17/2021	0.005ND	No	30	n/a	n/a	43.33	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-1	0.02	n/a	8/18/2021	0.0035J	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-10	0.019	n/a	8/18/2021	0.005ND	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.0089	n/a	8/18/2021	0.005ND	No	30	n/a	n/a	66.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
<b>Zinc (mg/L)</b>	<b>GWC-12</b>	<b>0.005828</b>	<b>n/a</b>	<b>8/18/2021</b>	<b>0.0081</b>	<b>Yes</b>	<b>31</b>	<b>0.1507</b>	<b>0.01782</b>	<b>32.26</b>	<b>Kaplan-Meier x^(1/3)</b>		<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Zinc (mg/L)	GWC-15[*GWB-15]	0.01135	n/a	8/19/2021	0.005ND	No	10	-5.422	0.4242	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-17	0.02	n/a	8/19/2021	0.013	No	10	n/a	n/a	30	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-18	0.01755	n/a	8/19/2021	0.015	No	10	-5.696	0.7436	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
<b>Zinc (mg/L)</b>	<b>GWC-19</b>	<b>0.009538</b>	<b>n/a</b>	<b>8/19/2021</b>	<b>0.017</b>	<b>Yes</b>	<b>10</b>	<b>0.05943</b>	<b>0.01719</b>	<b>40</b>	<b>Kaplan-Meier sqrt(x)</b>		<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Zinc (mg/L)	GWC-20	0.008421	n/a	8/19/2021	0.005ND	No	10	0.004843	0.001609	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-21	0.008437	n/a	8/19/2021	0.005ND	No	10	0.00277	0.002548	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-23	0.02	n/a	8/19/2021	0.0081	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-4A[*GWB-4A]	0.02	n/a	8/19/2021	0.004J	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-5[*GWB-5]	0.017	n/a	8/19/2021	0.005ND	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-9	0.0077	n/a	8/19/2021	0.005ND	No	31	n/a	n/a	64.52	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3

# Appendix I Interwell Prediction Limit - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:48 PM

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-12	0.5	n/a	8/18/2021	0.0081	No	252	n/a	n/a	34.92	n/a	n/a	7.3e-7	NP Inter (normality) 1 of 3
Zinc (mg/L)	GWC-19	0.5	n/a	8/19/2021	0.017	No	252	n/a	n/a	34.92	n/a	n/a	7.3e-7	NP Inter (normality) 1 of 3

# Appendix I Intrawell Trend Test Summary - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:49 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>
Zinc (mg/L)	GWA-14 (bg)	0.0005629	72	63	Yes	17	35.29	n/a	n/a	0.01	NP

# Appendix I Intrawell Trend Test Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Zinc (mg/L)	GWA-13 (bg)	0.0003039	56	63	No	17	52.94	n/a	n/a	0.01	NP
<b>Zinc (mg/L)</b>	<b>GWA-14 (bg)</b>	<b>0.0005629</b>	<b>72</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>35.29</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Zinc (mg/L)	GWA-16[*GWB-16] (bg)	0.0000293	31	63	No	17	41.18	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-2 (bg)	0	7	206	No	38	28.95	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0	-65	-199	No	37	48.65	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-12	0	29	206	No	38	36.84	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-15[*GWB-15] (bg)	0.0001197	23	63	No	17	35.29	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-17 (bg)	0.00003514	13	63	No	17	23.53	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-18 (bg)	0.0005854	44	63	No	17	29.41	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-19	0.0003202	43	63	No	17	41.18	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-4A[*GWB-4A] (bg)	-0.0001643	-104	-199	No	37	24.32	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-5[*GWB-5] (bg)	0	-29	-206	No	38	34.21	n/a	n/a	0.01	NP

# Appendix III Intrawell Prediction Limit - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/24/2021, 2:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-13	1.2	n/a	8/18/2021	1ND	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	6.271	n/a	8/17/2021	1ND	No	14	1.129	0.2915	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16[*GWB-16]	1	n/a	8/17/2021	1ND	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.685	n/a	8/17/2021	1ND	No	14	-0.1075	0.2566	50	Kaplan-Meier	ln(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	1.256	n/a	8/17/2021	1ND	No	14	0.9022	0.1443	42.86	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.516	n/a	8/18/2021	1.2	No	14	1.462	0.4296	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	6.13	n/a	8/18/2021	3	No	14	3.559	1.048	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.226	n/a	8/18/2021	4.1	No	14	4.562	0.6784	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	8/18/2021	1ND	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-15[*GWB-15]	1.2	n/a	8/19/2021	0.8J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	2.718	n/a	8/19/2021	1ND	No	14	1.068	0.2368	35.71	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	5.927	n/a	8/19/2021	3.5	No	14	4.774	0.4701	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	3.003	n/a	8/19/2021	2.5	No	14	1.936	0.4348	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	5.519	n/a	8/19/2021	1.3	No	14	1.362	0.4024	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.925	n/a	8/19/2021	0.79J	No	14	1.103	0.3353	14.29	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	3.792	n/a	8/19/2021	1.9	No	13	2.577	0.485	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-4A[*GWB-4A]	14.53	n/a	8/19/2021	5.4	No	14	7.479	2.873	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5[*GWB-5]	1	n/a	8/19/2021	1ND	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.571	n/a	8/19/2021	1ND	No	14	1.088	0.2332	28.57	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2

# Appendix III Interwell Prediction Limit - All Results (No Significant)

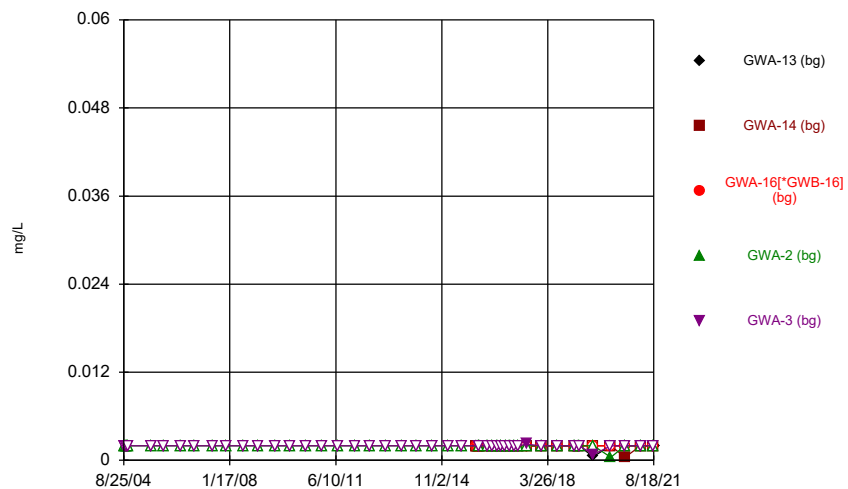
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/28/2021, 1:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.1	n/a	8/18/2021	0.046J	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.1	n/a	8/18/2021	0.069J	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.1	n/a	8/18/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.1	n/a	8/18/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	8/18/2021	1.1	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	8/18/2021	23	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	8/18/2021	10	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	8/18/2021	0.75	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	8/19/2021	6.9	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	8/19/2021	1.3	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	8/19/2021	1.2	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	8/19/2021	1.1	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	8/19/2021	0.67	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	18	n/a	8/18/2021	5.3	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	18	n/a	8/18/2021	6.8	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	18	n/a	8/18/2021	5.2	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	18	n/a	8/18/2021	3.9	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	18	n/a	8/19/2021	6.7	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	18	n/a	8/19/2021	8.8	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	18	n/a	8/19/2021	6.7	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	18	n/a	8/19/2021	6	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	18	n/a	8/19/2021	7.9	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.74	n/a	8/18/2021	0.1ND	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	8/18/2021	0.081J	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	8/18/2021	0.35	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	8/18/2021	0.1ND	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	8/19/2021	0.11	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	8/19/2021	0.044J	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	8/19/2021	0.1ND	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	8/19/2021	0.1ND	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	8/19/2021	0.064J	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	8/18/2021	4.89	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-10	7.1	4.21	8/18/2021	6.32	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-11	7.1	4.21	8/18/2021	6.54	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-12	7.1	4.21	8/18/2021	5.01	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-19	7.1	4.21	8/19/2021	5.69	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-20	7.1	4.21	8/19/2021	4.91	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-21	7.1	4.21	8/19/2021	4.81	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-23	7.1	4.21	8/19/2021	5.16	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-9	7.1	4.21	8/19/2021	4.89	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-1	150	n/a	8/18/2021	33	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	8/18/2021	140	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	8/18/2021	97	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	8/18/2021	20	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	8/19/2021	57	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	8/19/2021	40	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	8/19/2021	32	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	8/19/2021	32	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	8/19/2021	37	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2

FIGURE A.

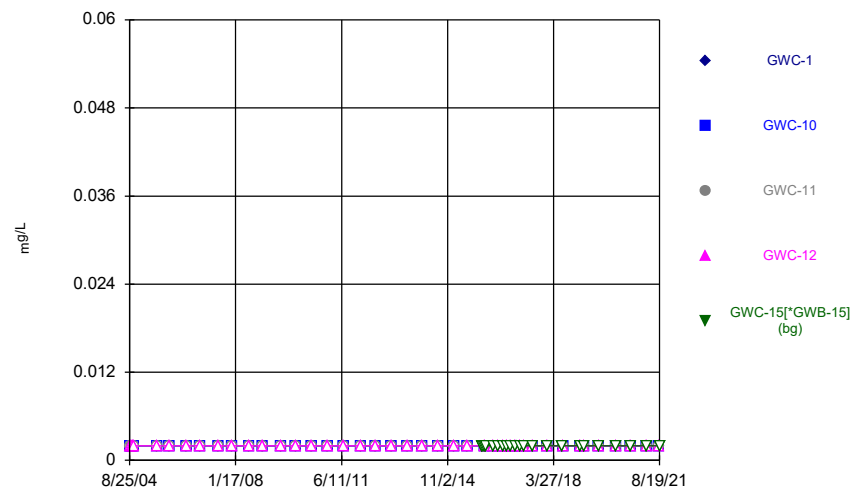


### Time Series



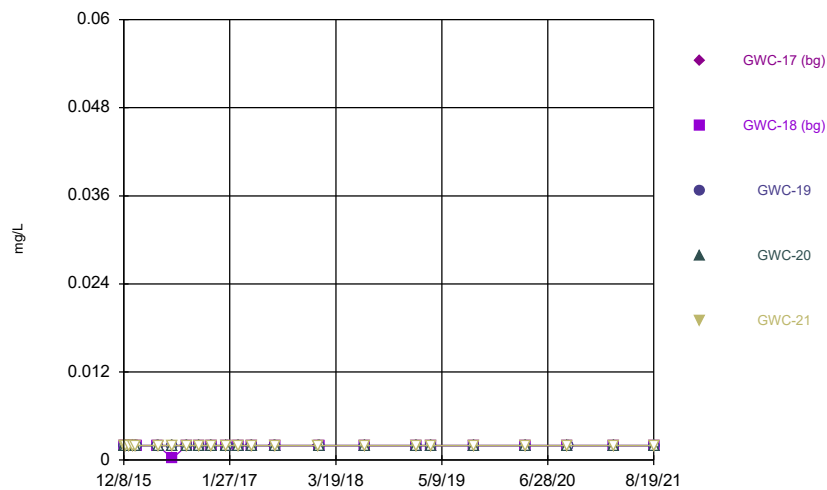
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



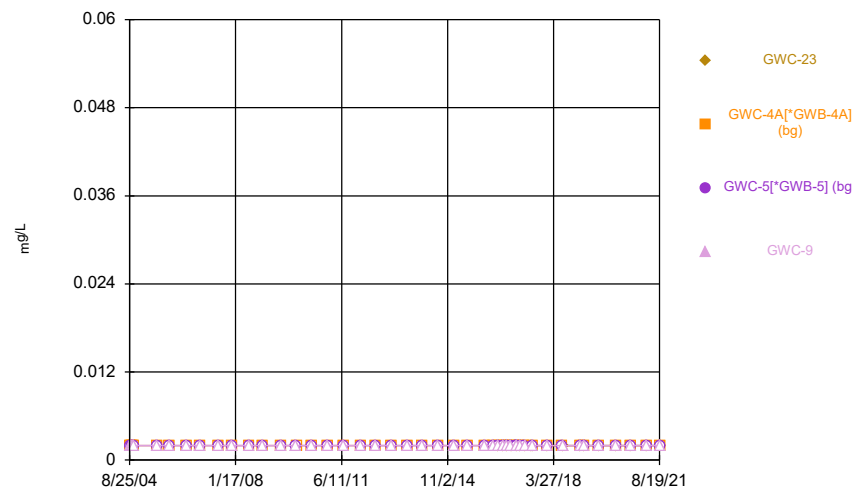
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### Time Series



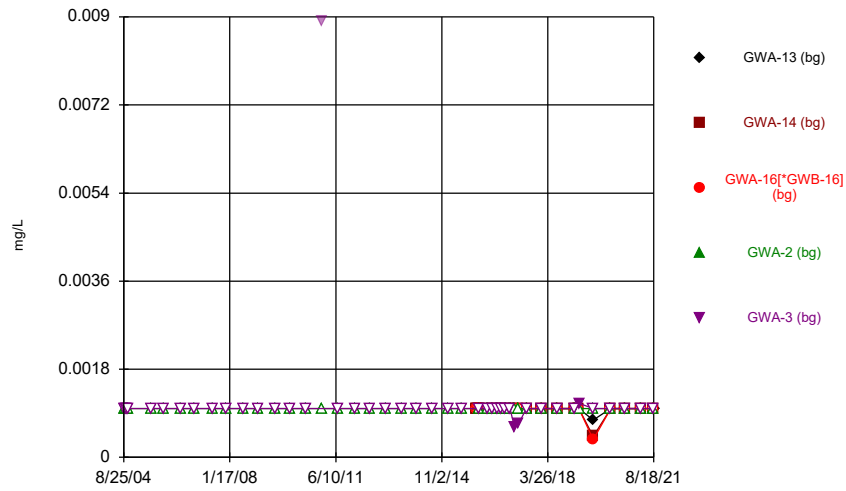
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### Time Series



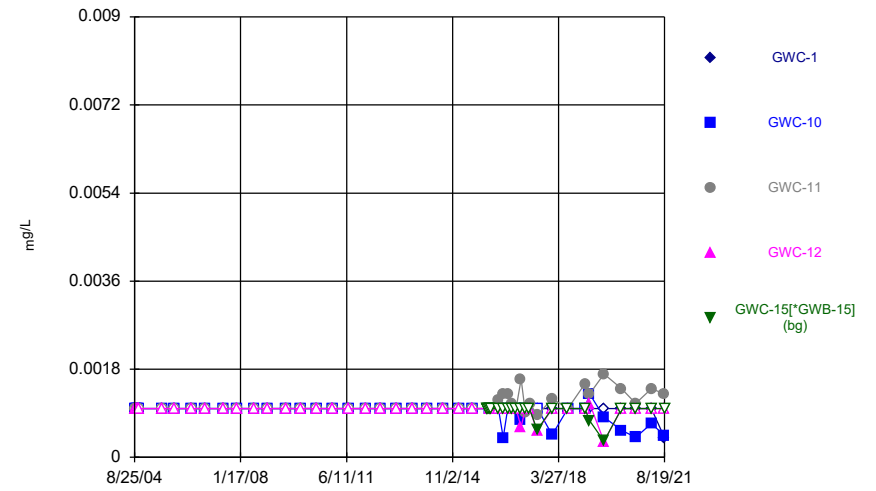
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### Time Series



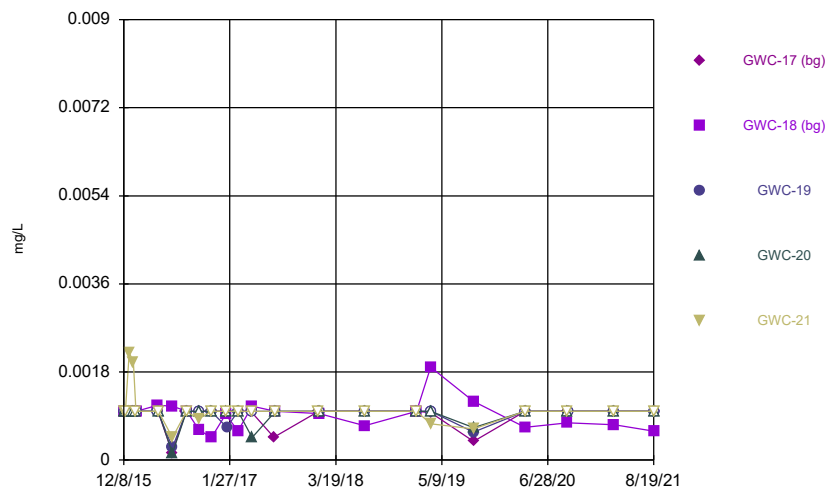
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



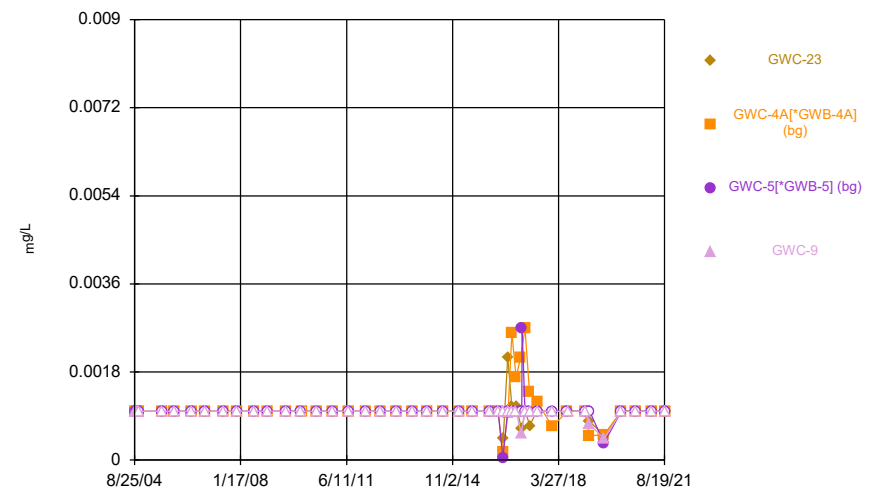
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### Time Series



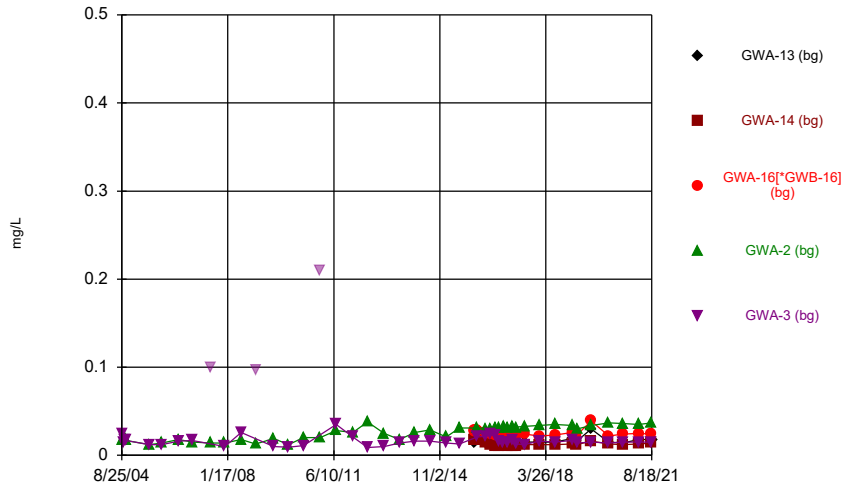
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### Time Series



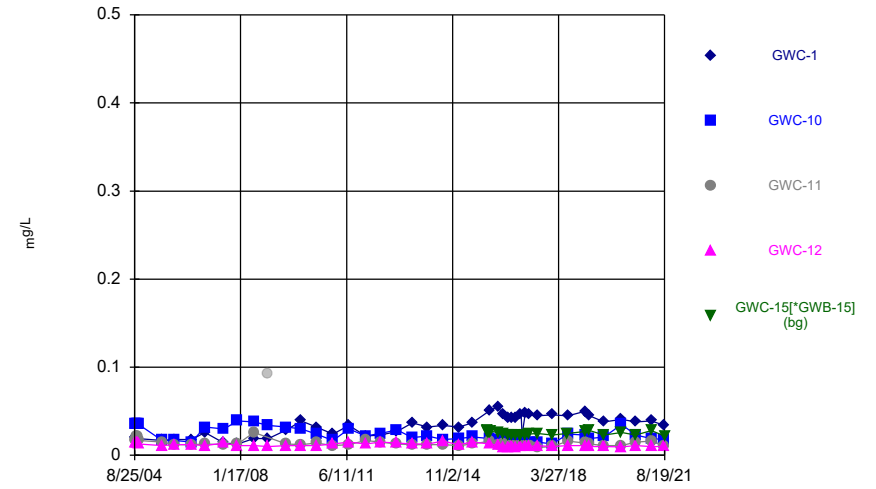
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Time Series



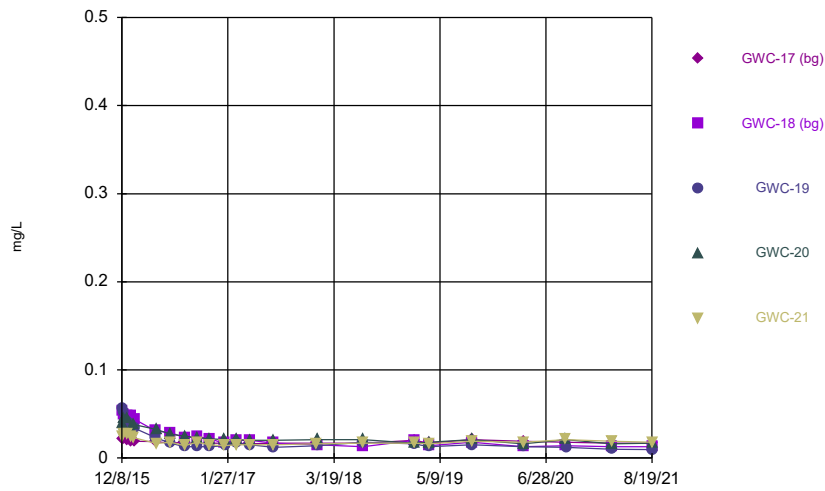
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Time Series



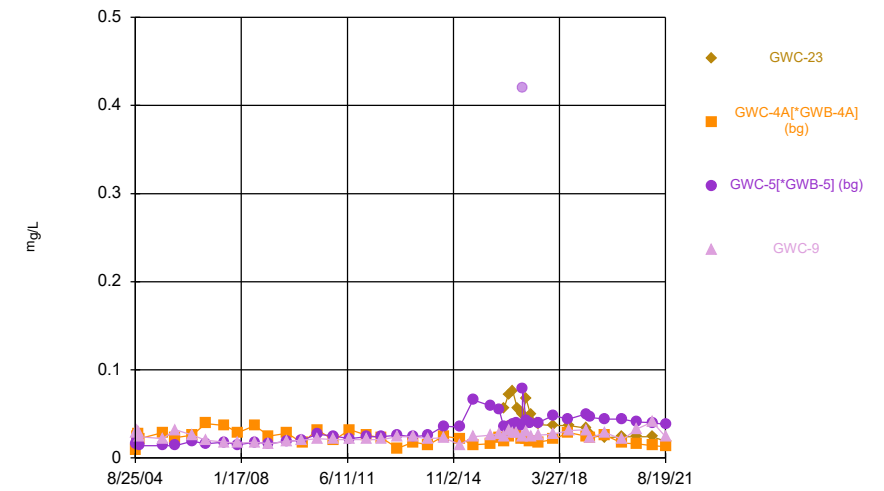
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Time Series



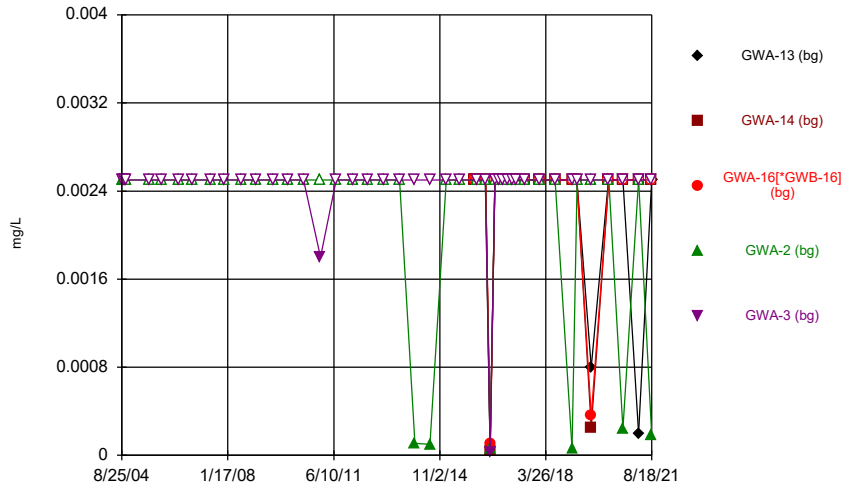
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Time Series



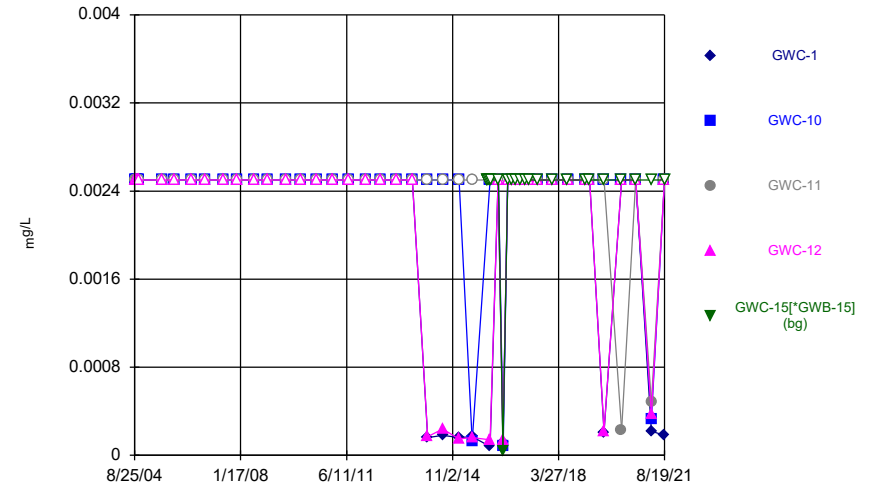
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### Time Series



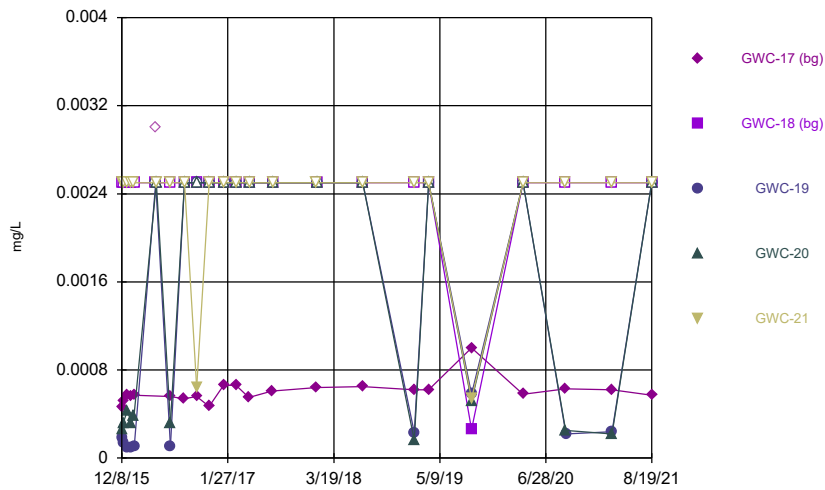
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### Time Series



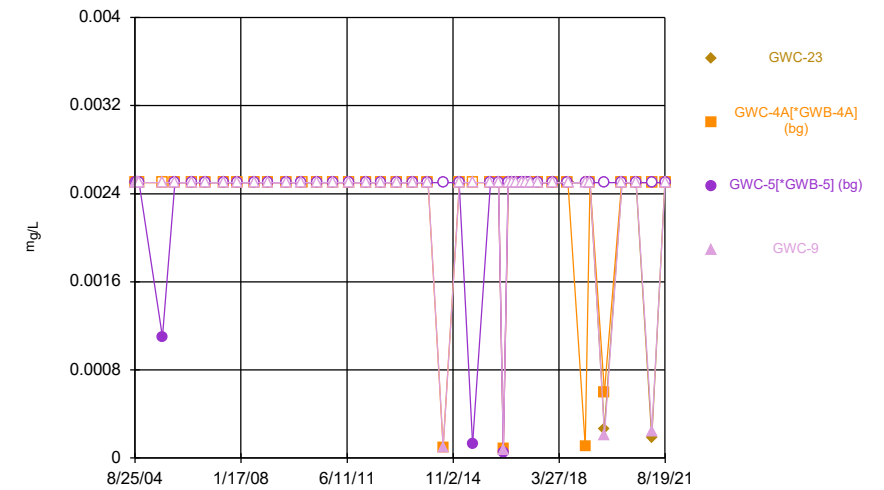
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### Time Series



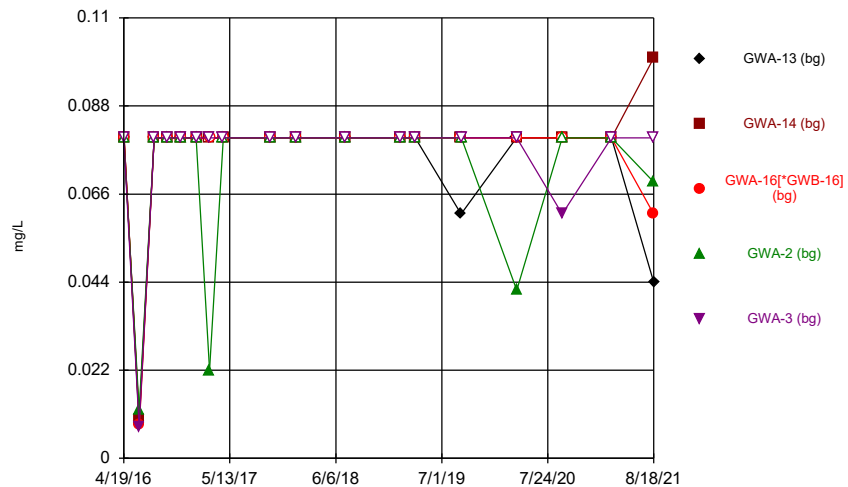
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### Time Series



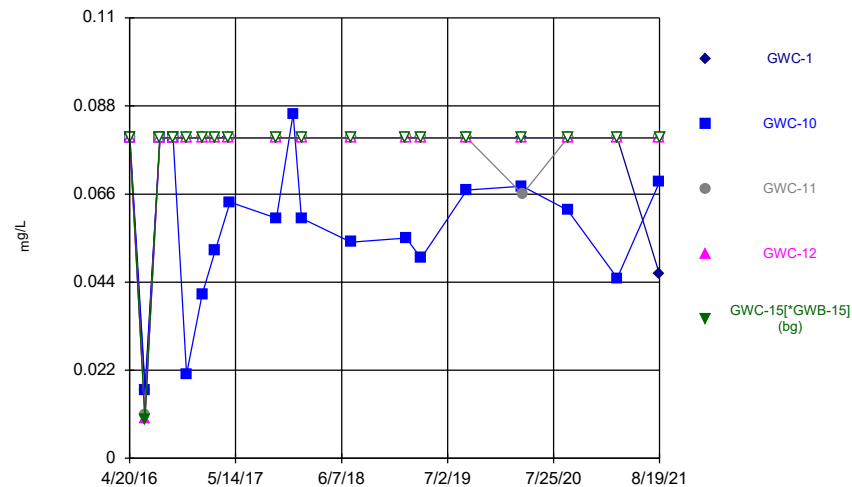
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



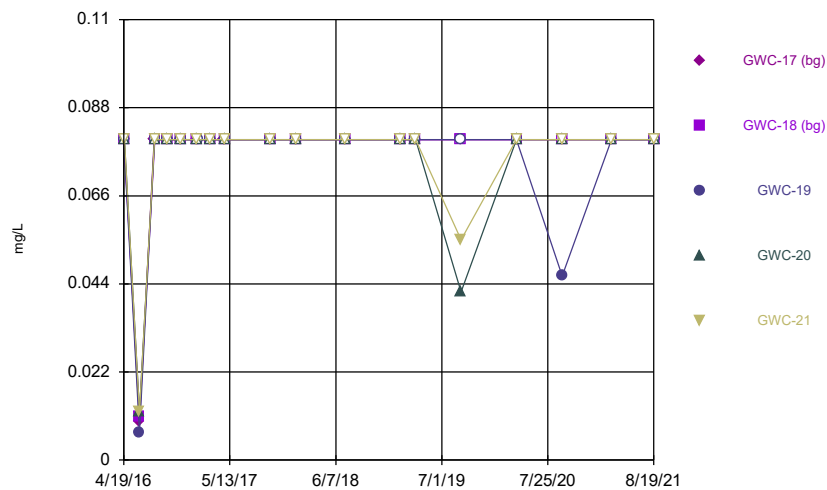
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Time Series



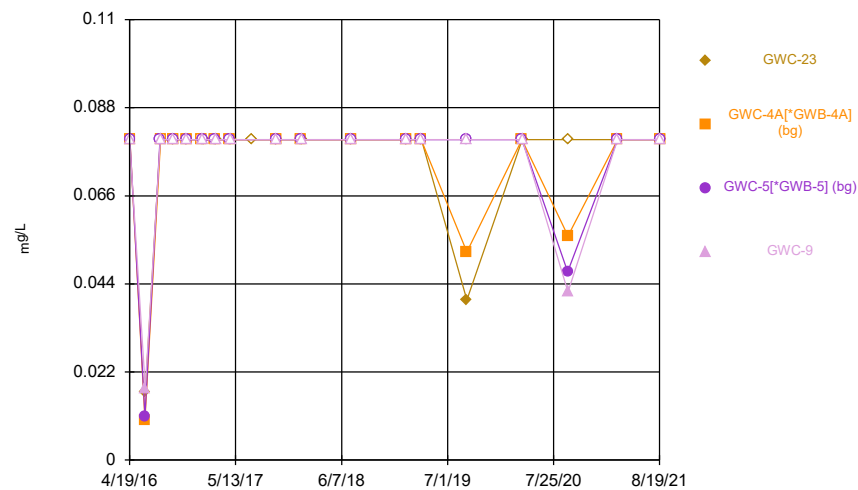
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Time Series



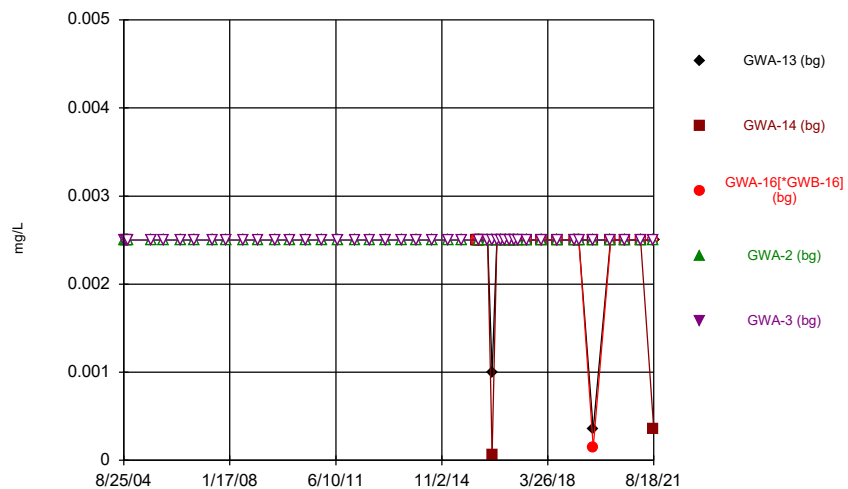
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Time Series



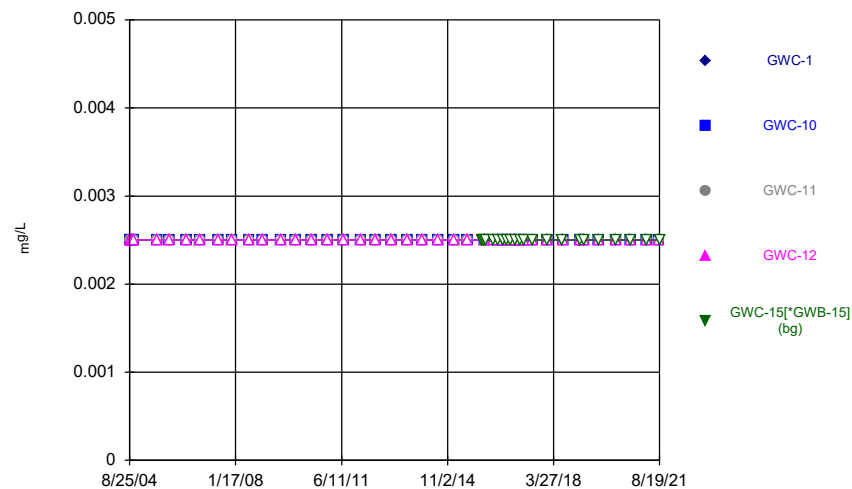
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### Time Series



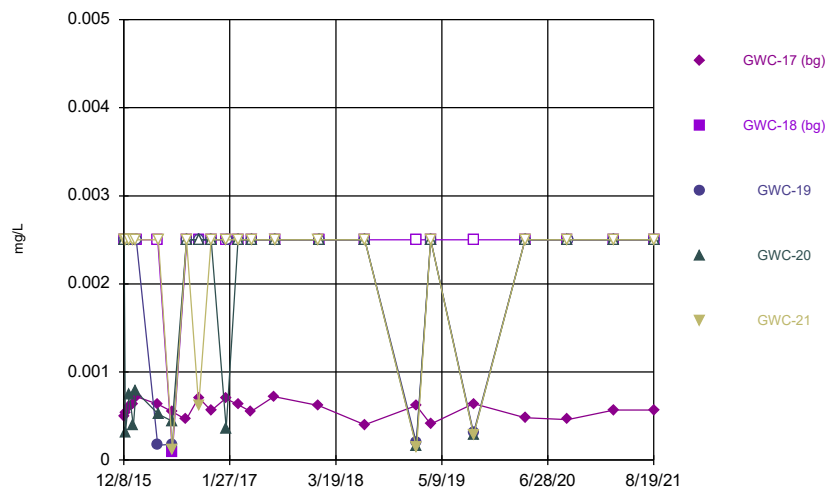
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



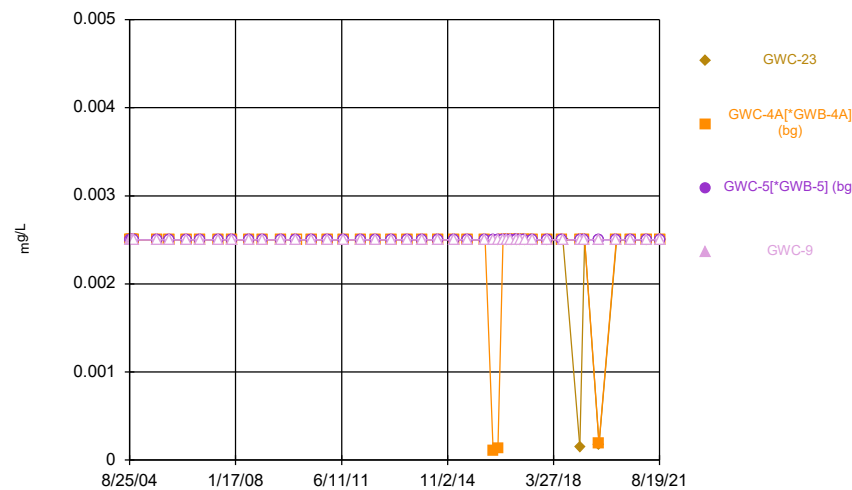
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



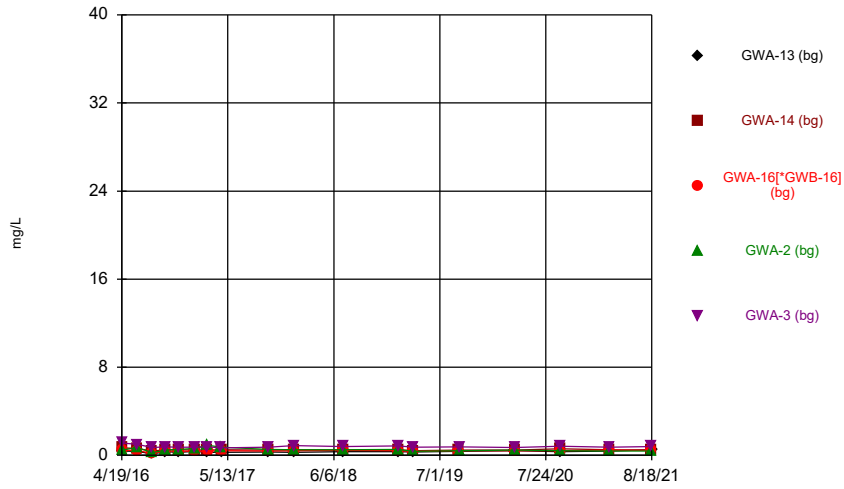
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### Time Series



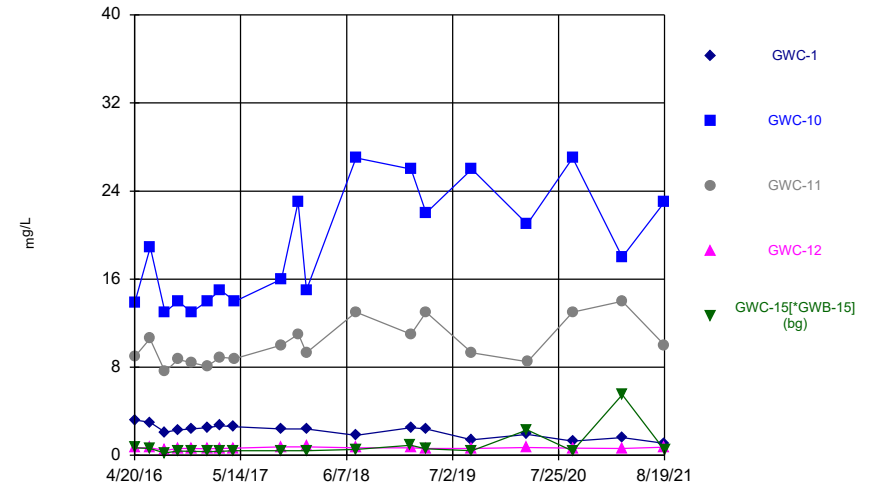
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Time Series



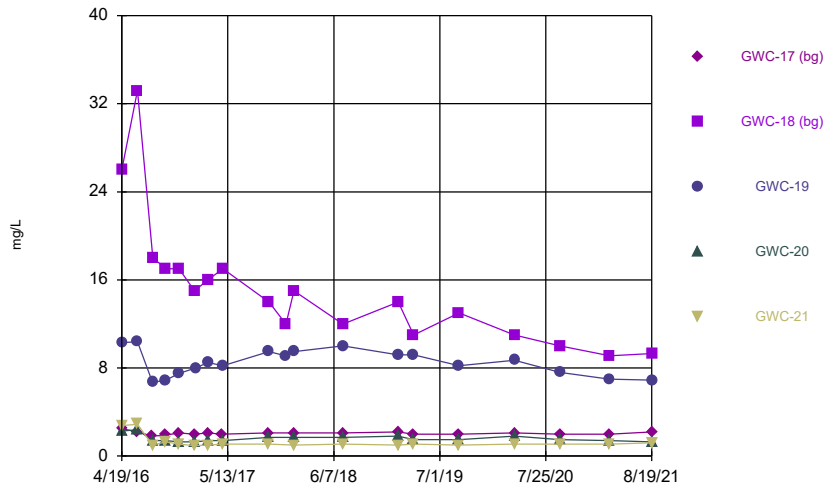
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Time Series



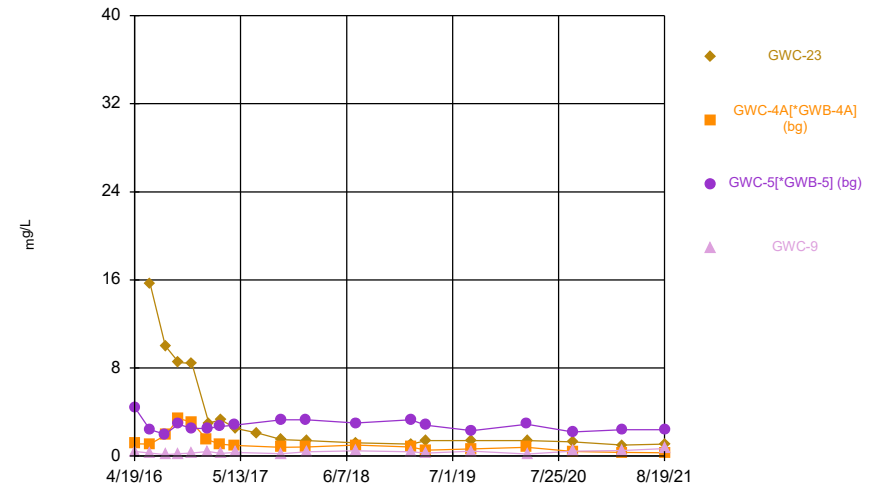
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Time Series



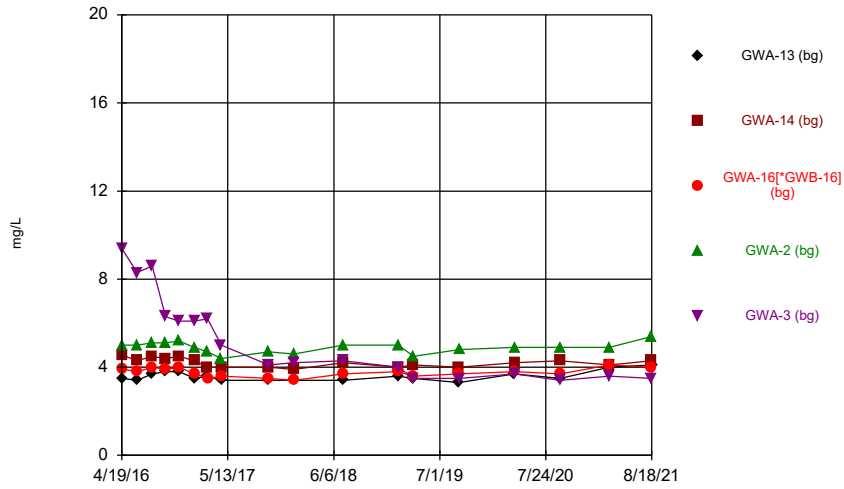
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Time Series



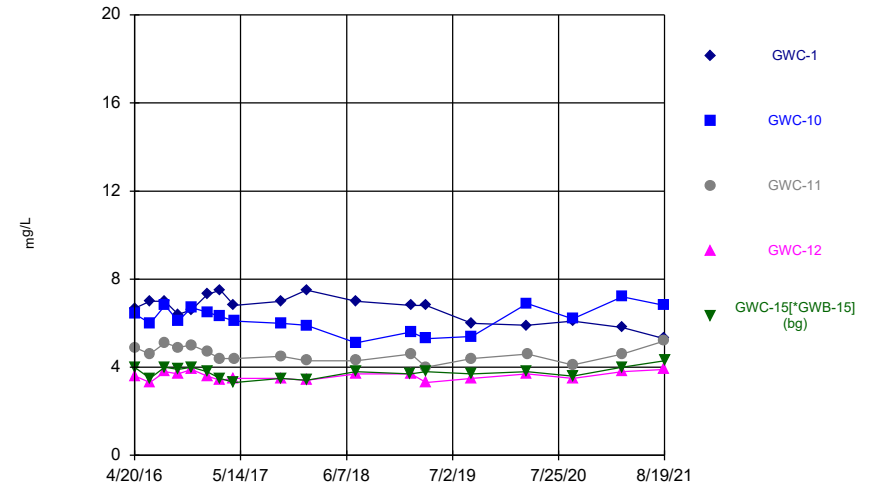
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Time Series



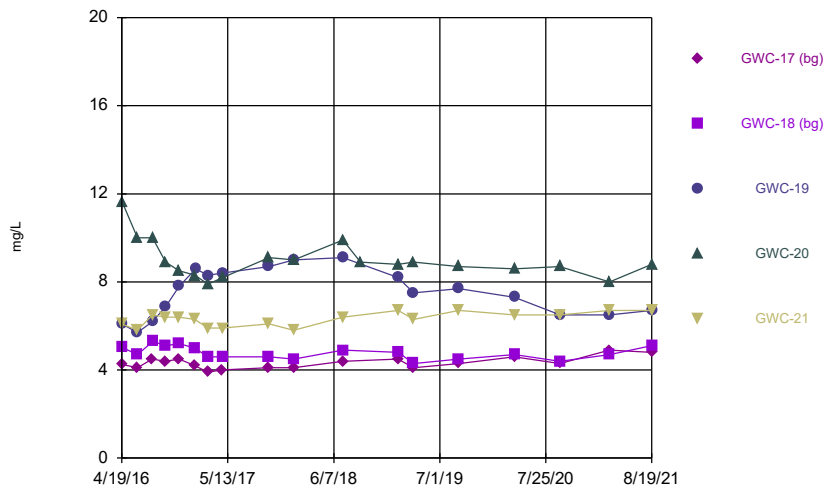
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Time Series



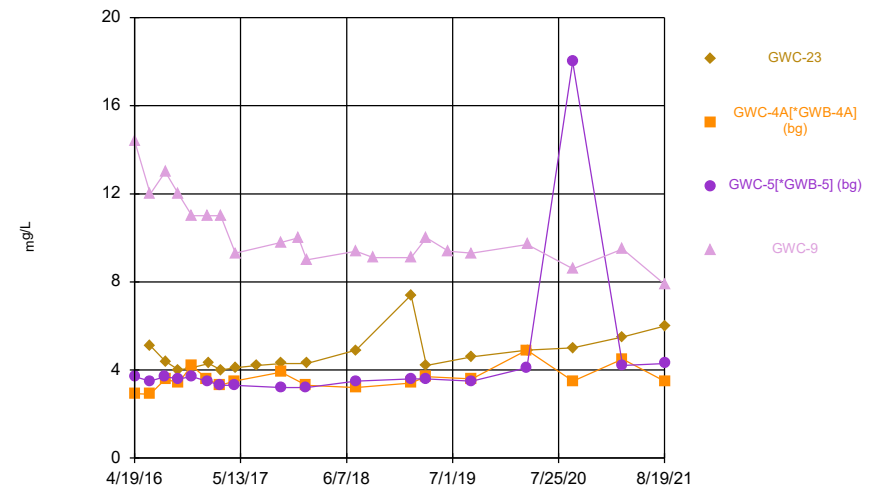
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Time Series



Constituent: Chloride Analysis Run 9/24/2021 2:13 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

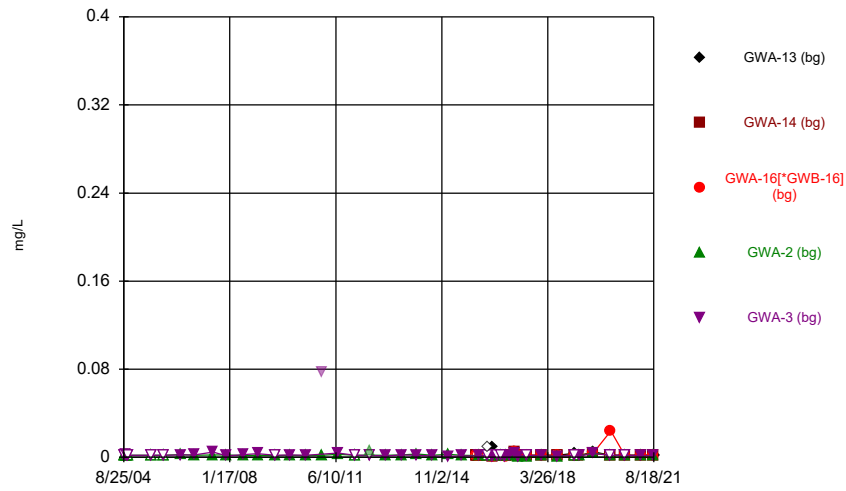
Time Series



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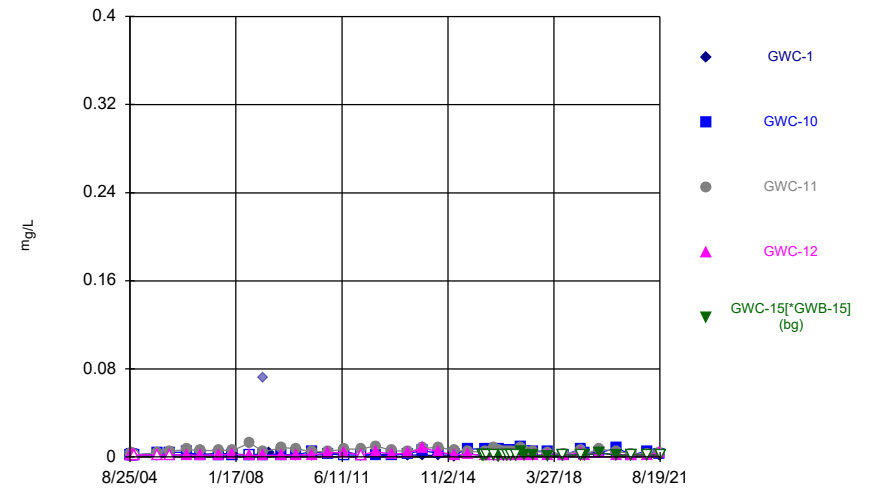


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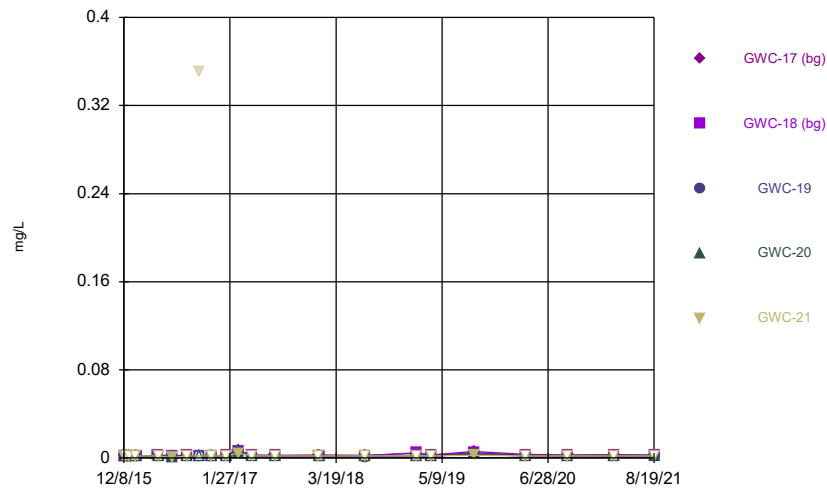
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### Time Series



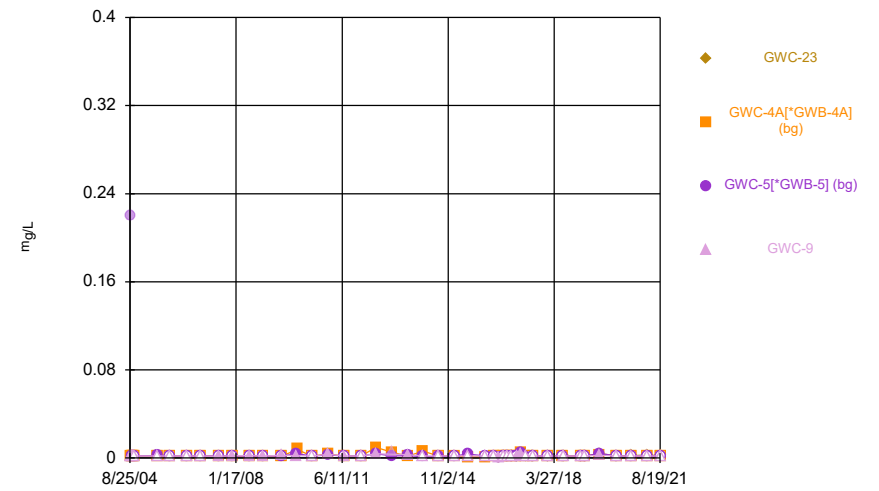
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### Time Series



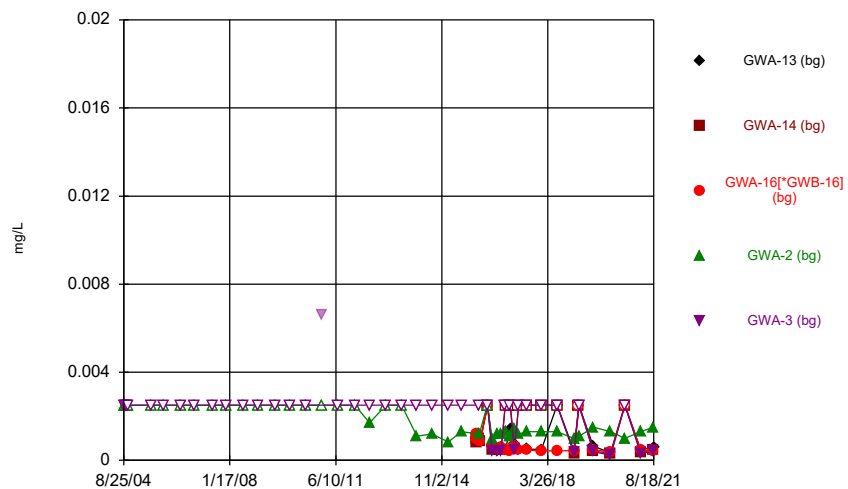
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### Time Series



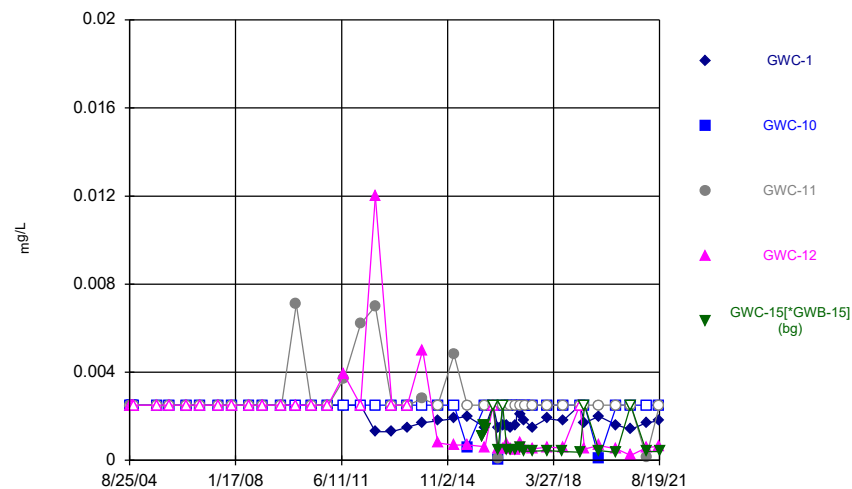
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### Time Series



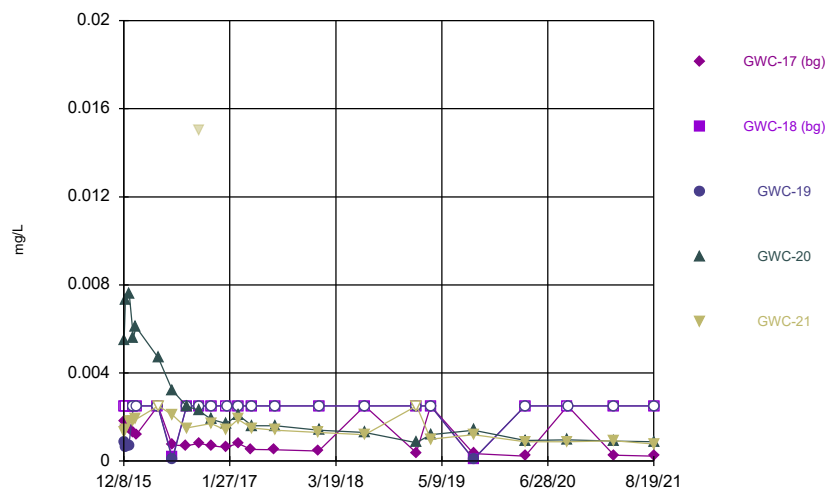
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### Time Series



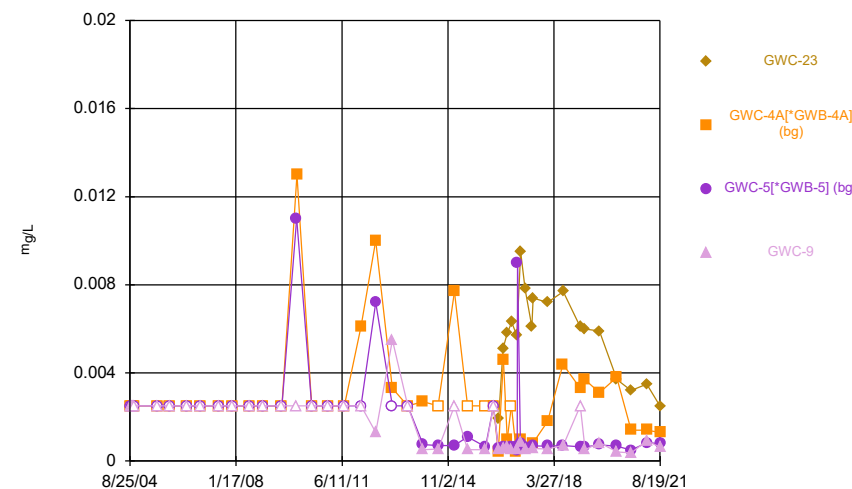
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



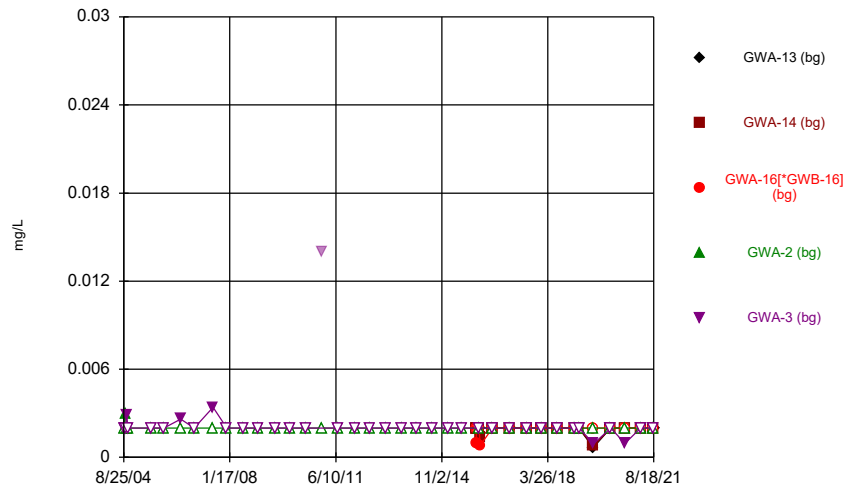
Constituent: Cobalt Analysis Run 9/24/2021 2:13 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



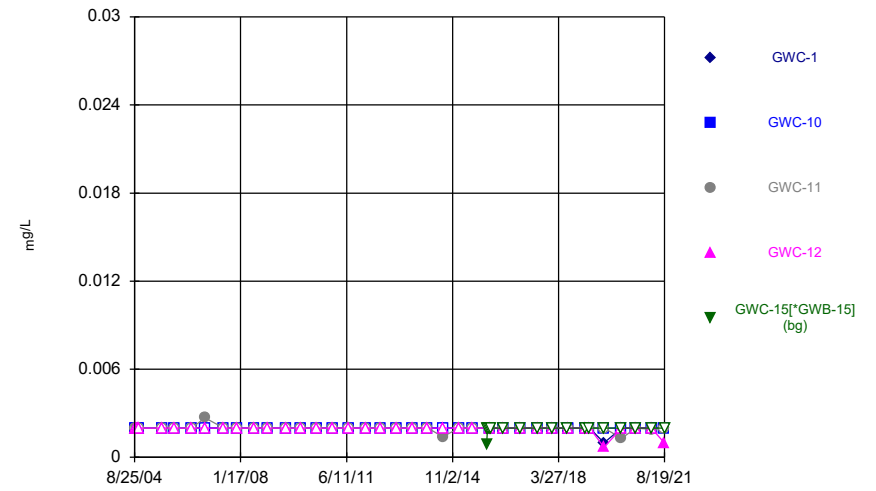
Constituent: Cobalt Analysis Run 9/24/2021 2:13 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



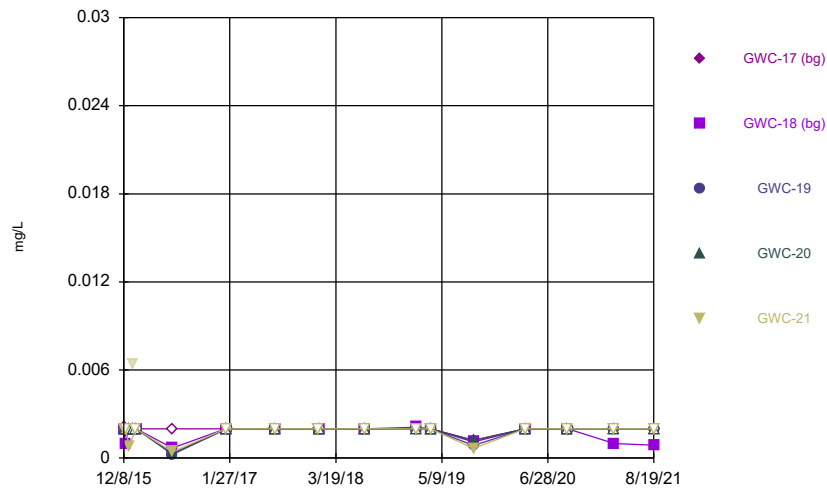
Constituent: Copper Analysis Run 9/24/2021 2:13 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



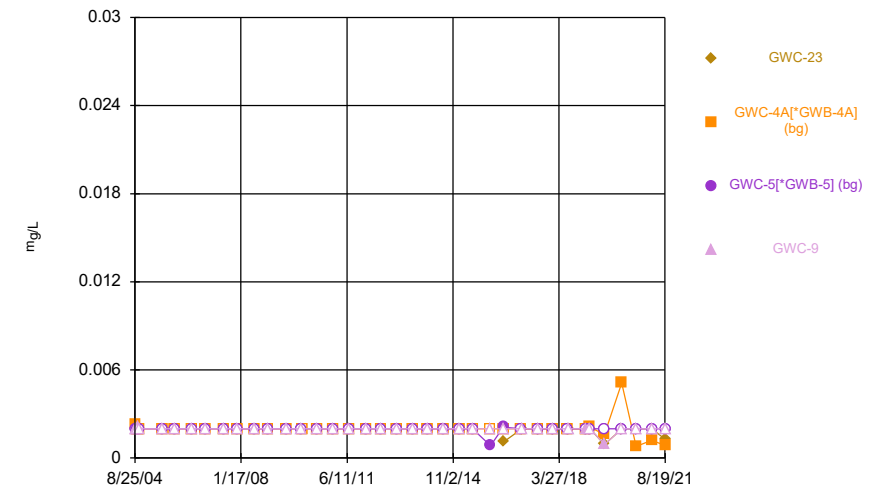
Constituent: Copper Analysis Run 9/24/2021 2:13 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



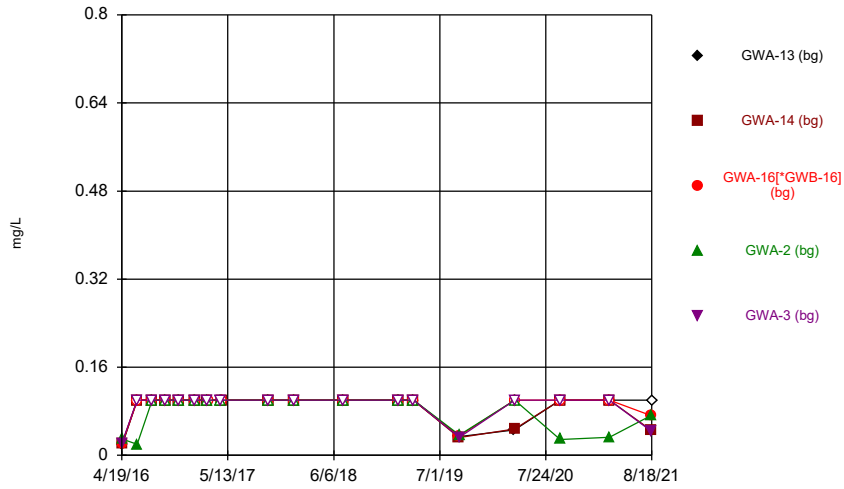
Constituent: Copper Analysis Run 9/24/2021 2:13 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



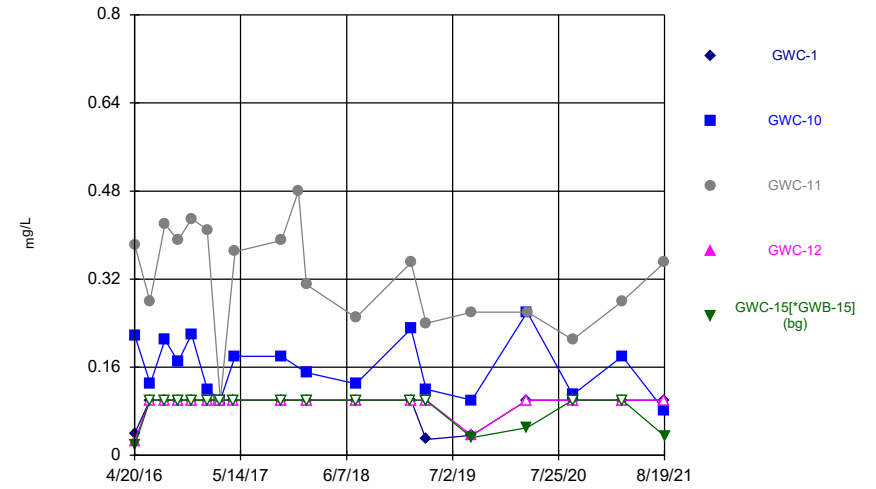
Constituent: Copper Analysis Run 9/24/2021 2:13 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



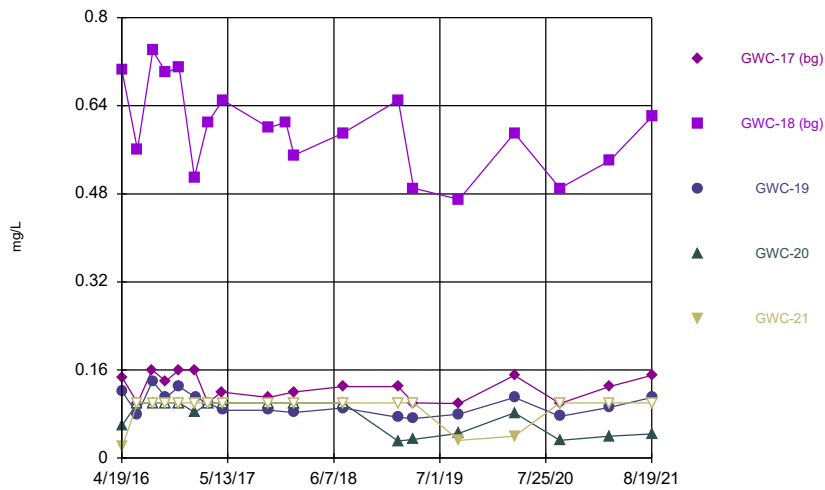
Constituent: Fluoride Analysis Run 9/24/2021 2:13 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



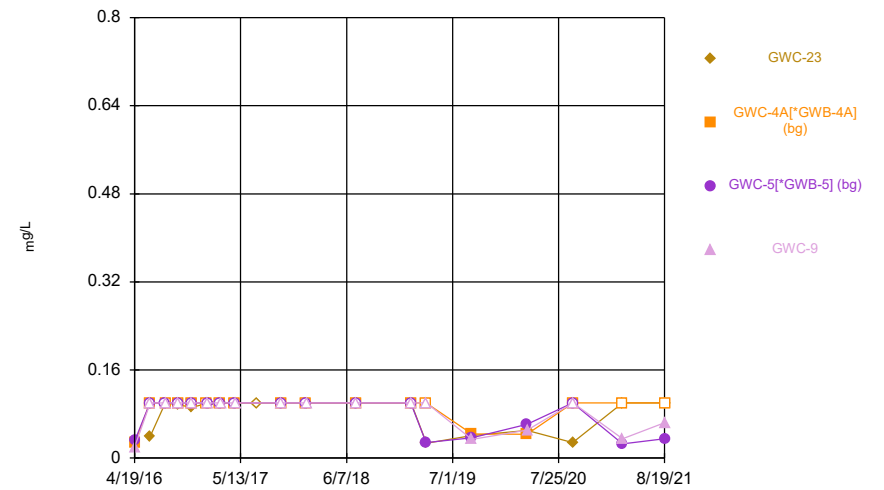
Constituent: Fluoride Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



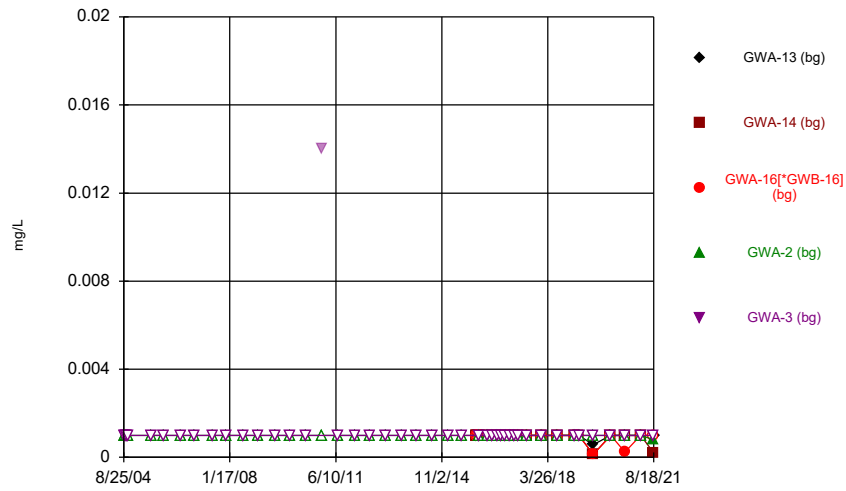
Constituent: Fluoride Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



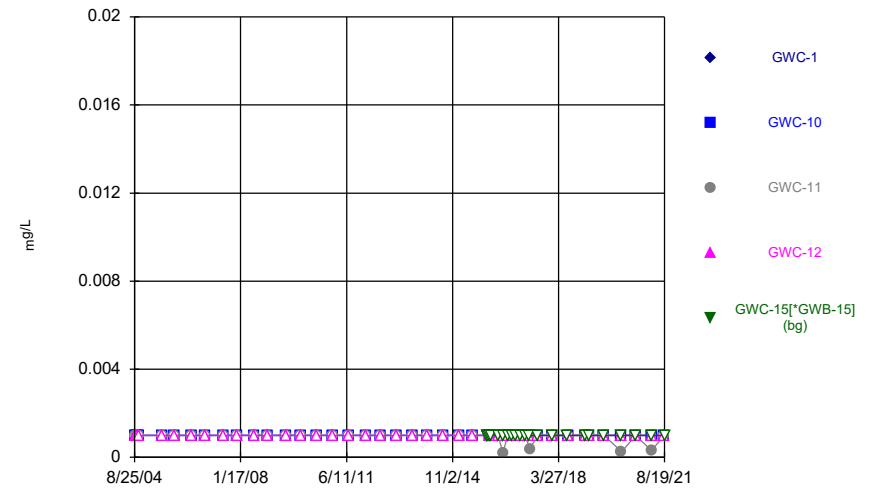
Constituent: Fluoride Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



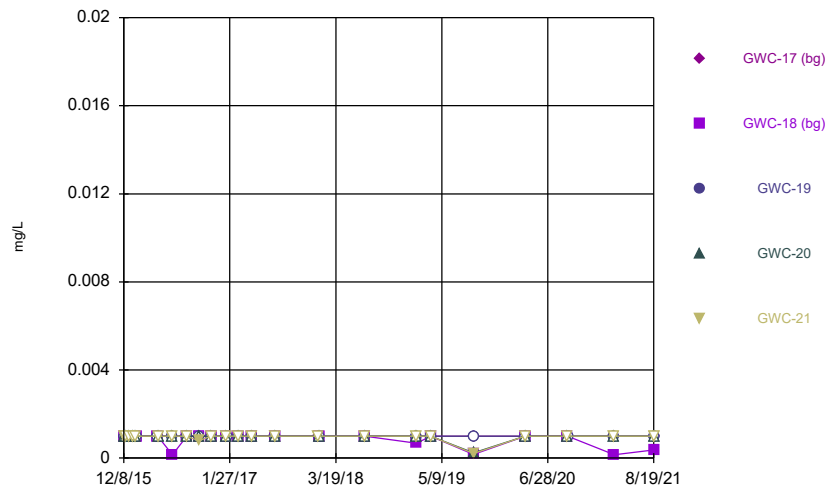
Constituent: Lead Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



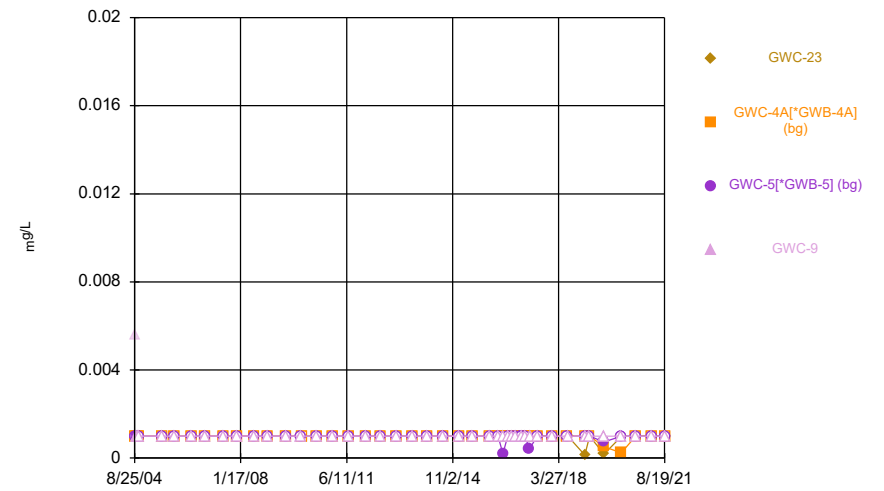
Constituent: Lead Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



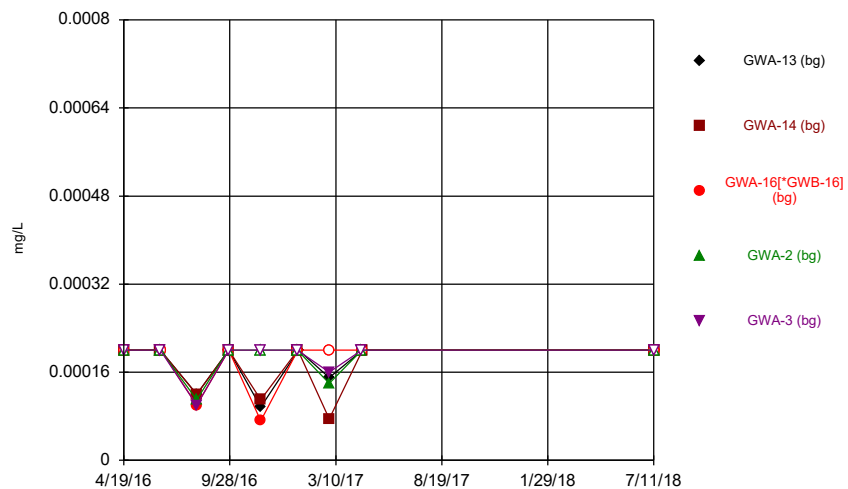
Constituent: Lead Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



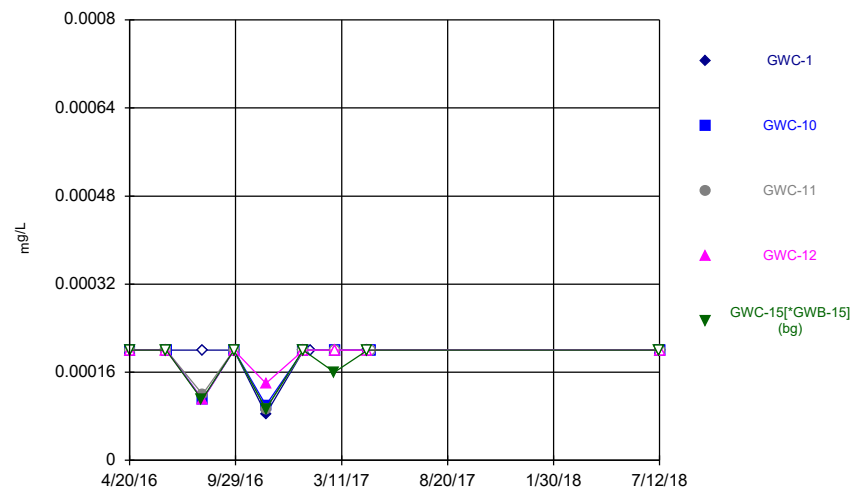
Constituent: Lead Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



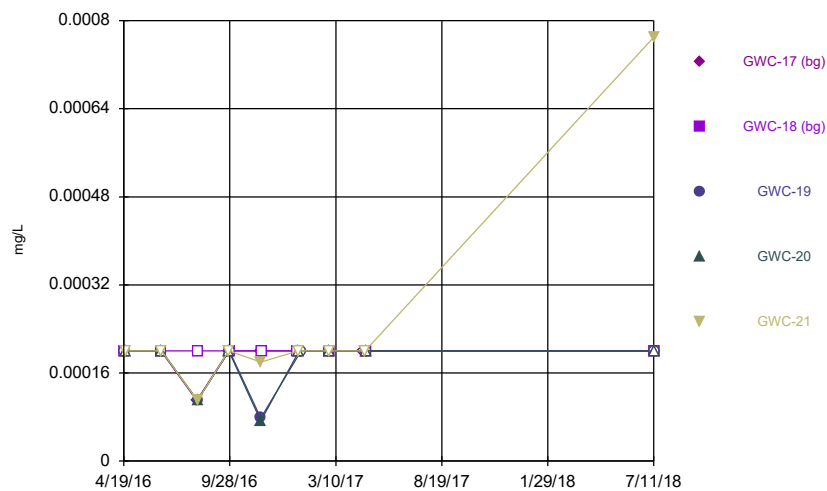
Constituent: Mercury Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



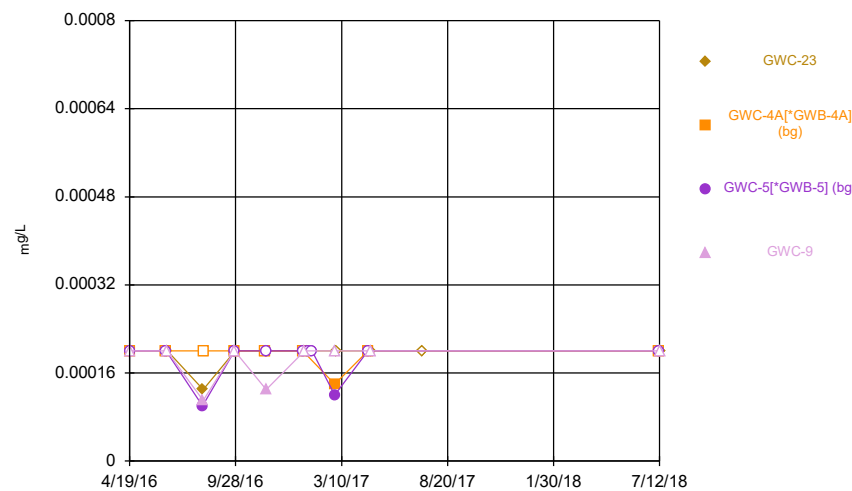
Constituent: Mercury Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



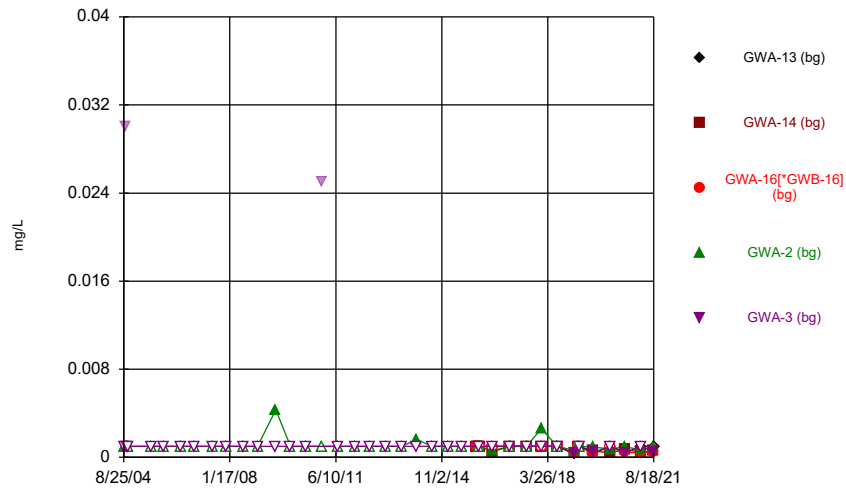
Constituent: Mercury Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



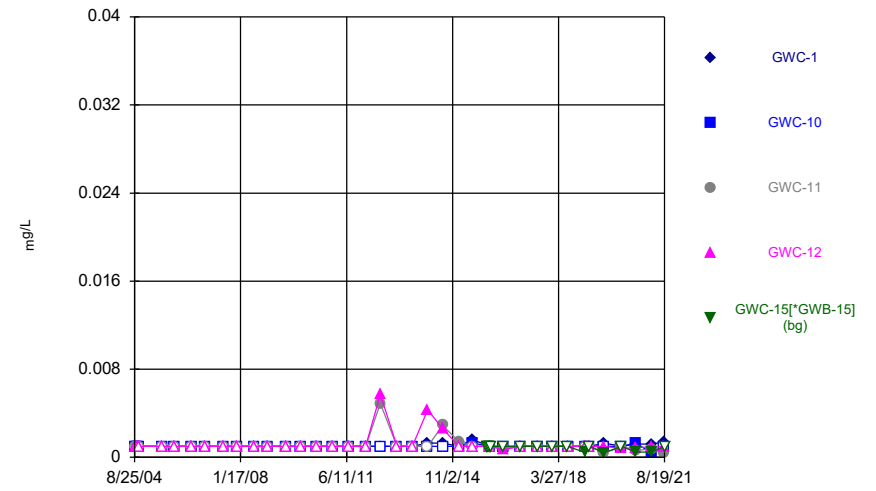
Constituent: Mercury Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



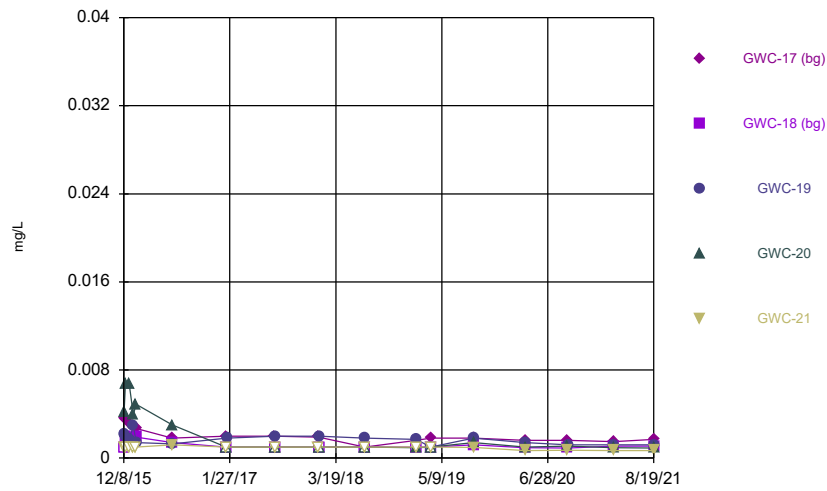
Constituent: Nickel Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



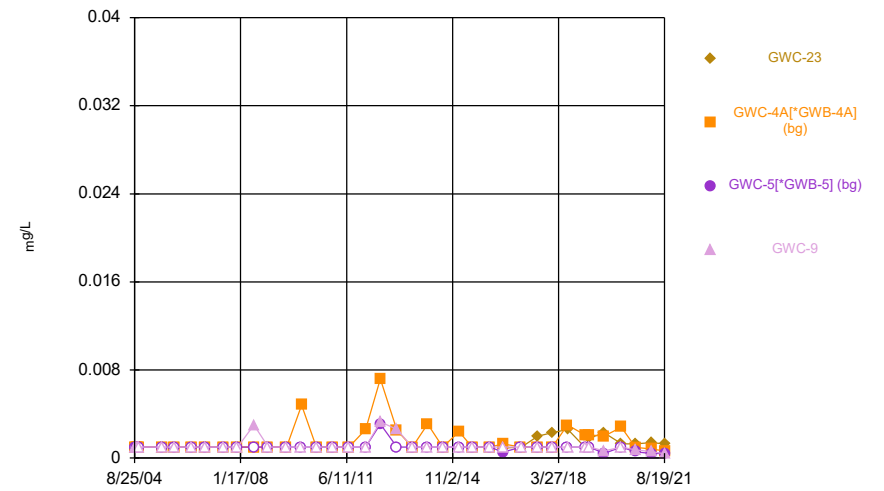
Constituent: Nickel Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



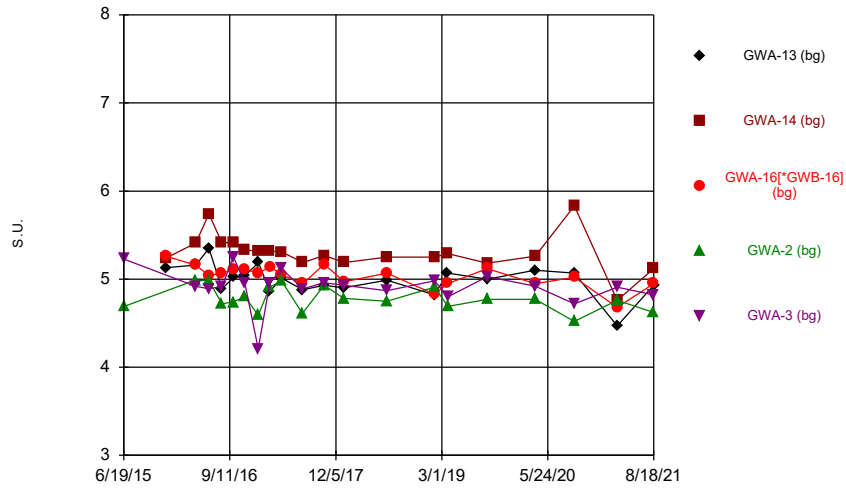
Constituent: Nickel Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



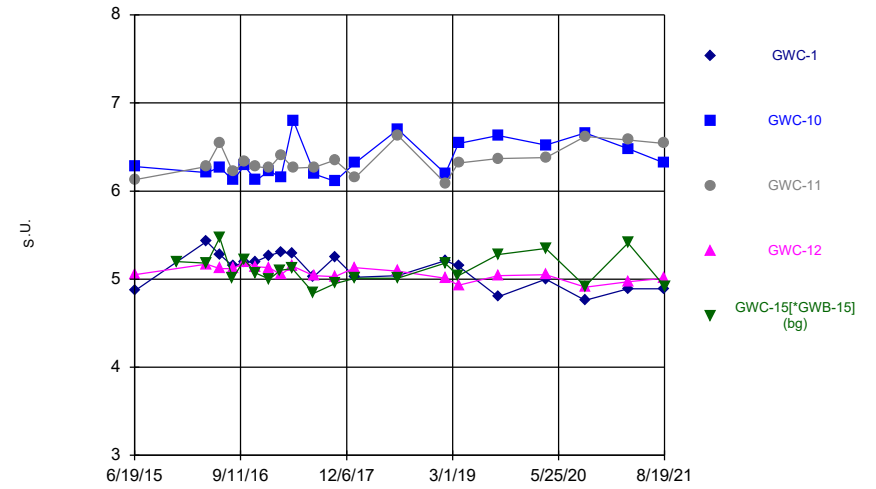
Constituent: Nickel Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



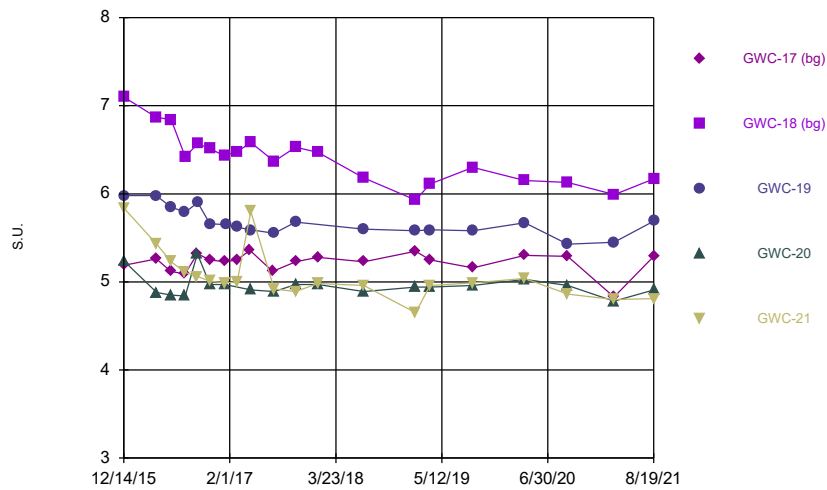
Constituent: pH Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



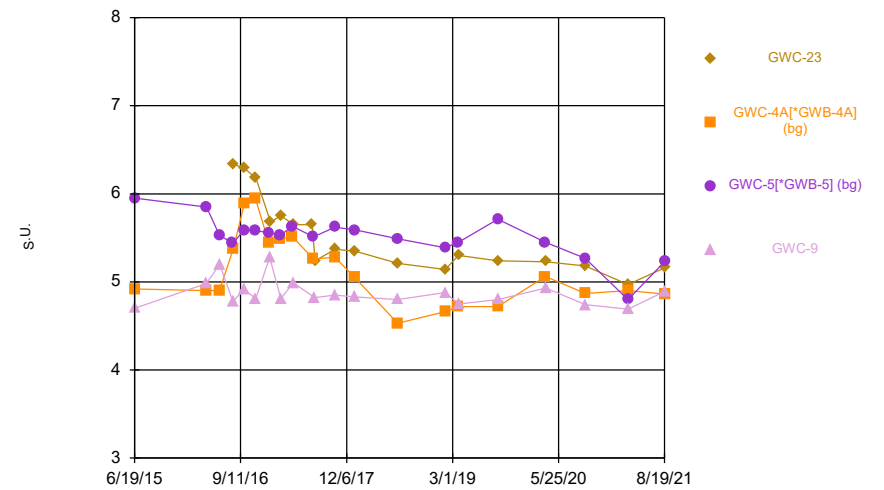
Constituent: pH Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series



Constituent: pH Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

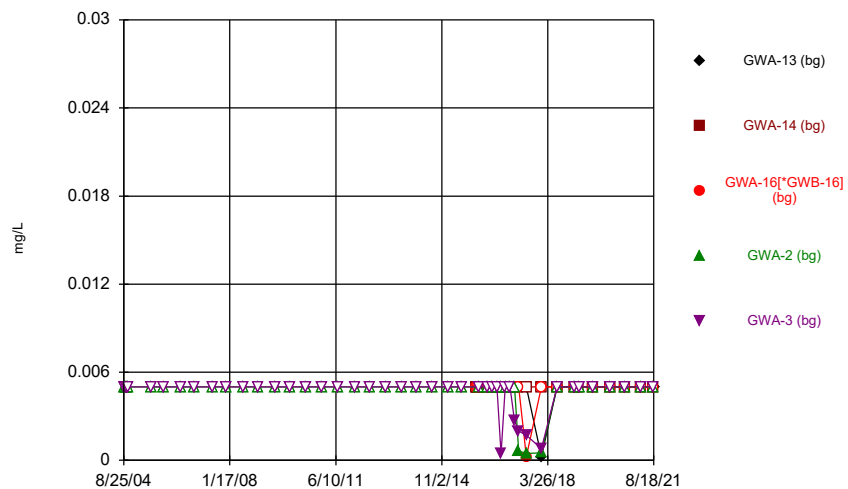
Time Series



Constituent: pH Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

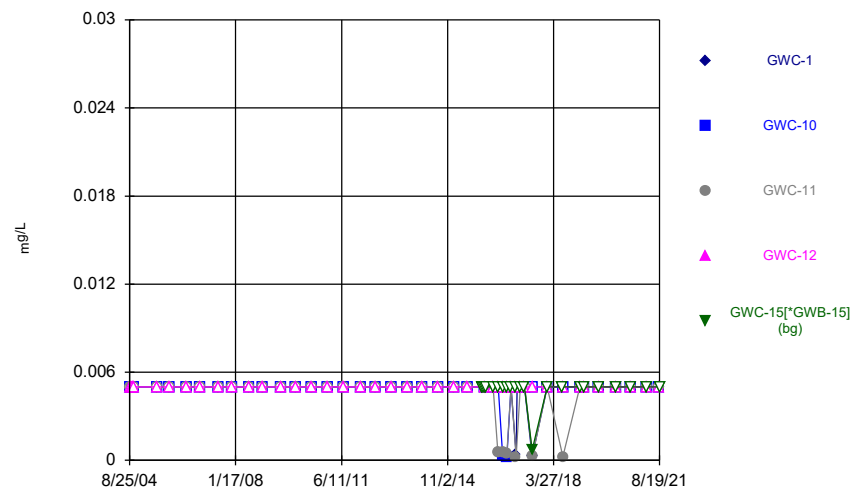


### Time Series



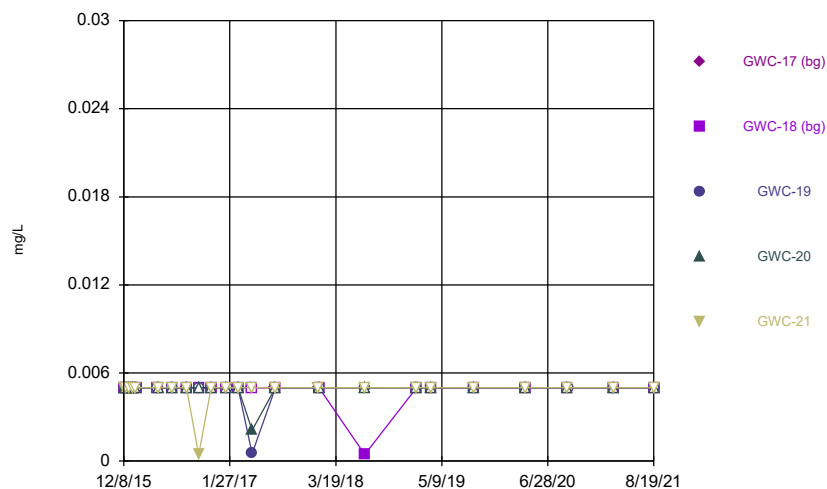
Constituent: Selenium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



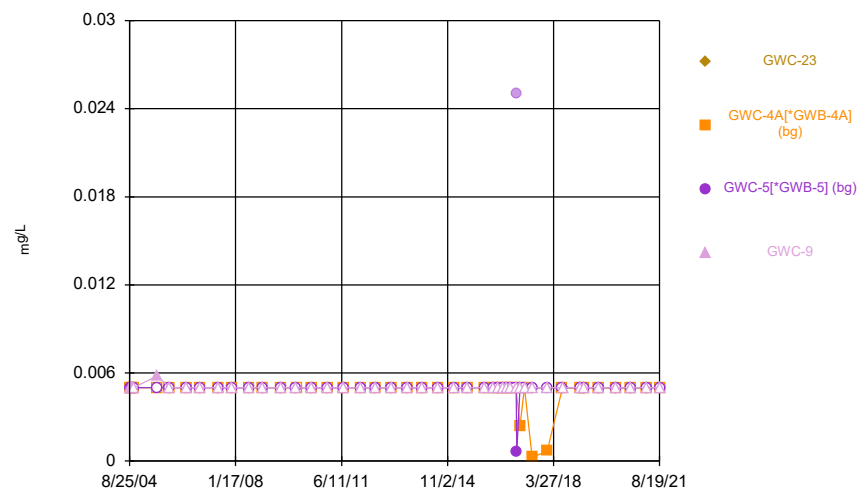
Constituent: Selenium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



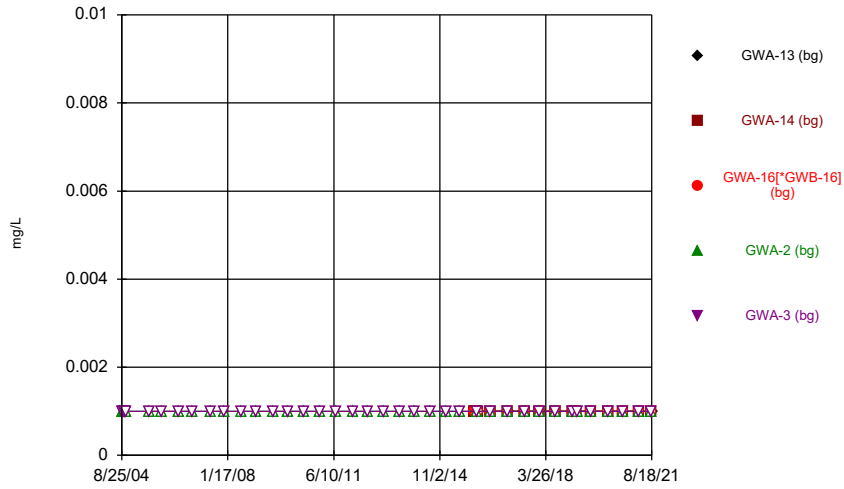
Constituent: Selenium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



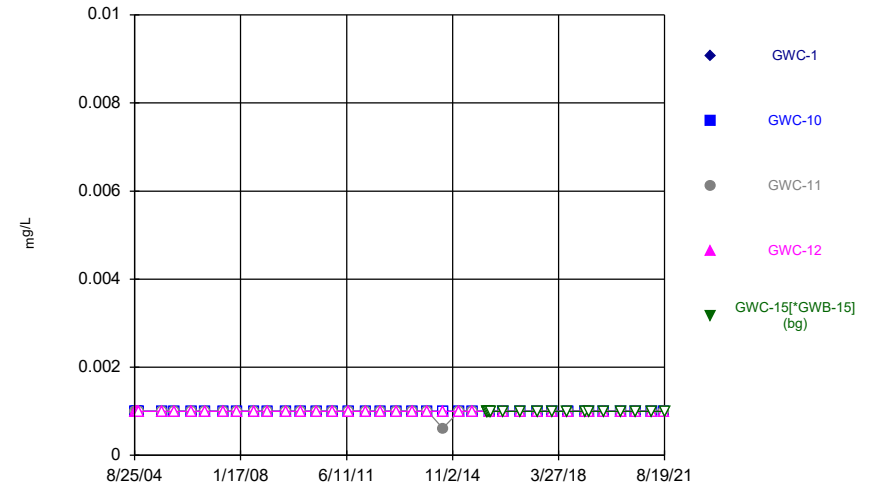
Constituent: Selenium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



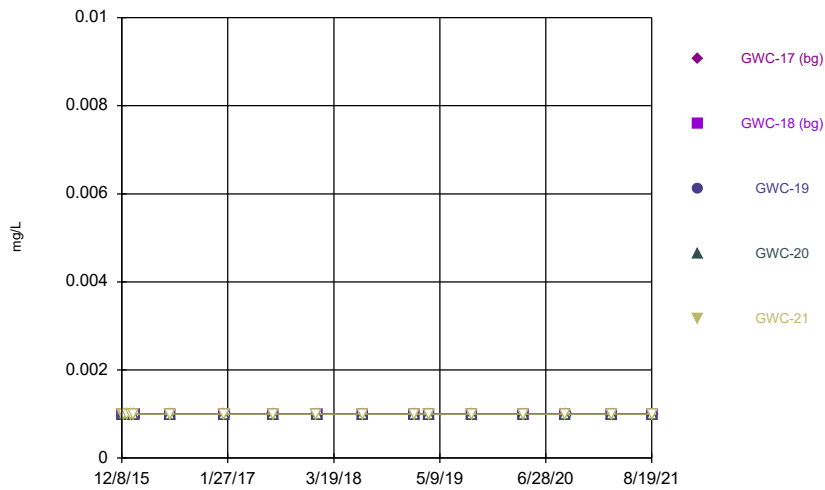
Constituent: Silver Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



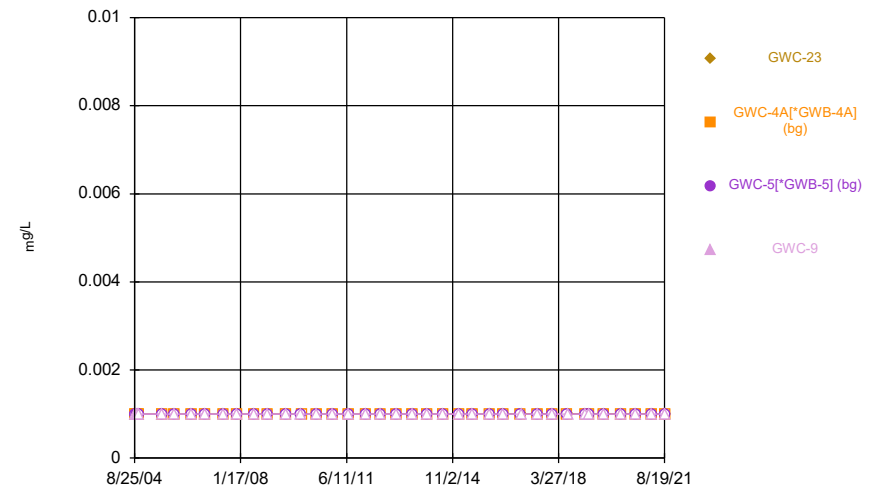
Constituent: Silver Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



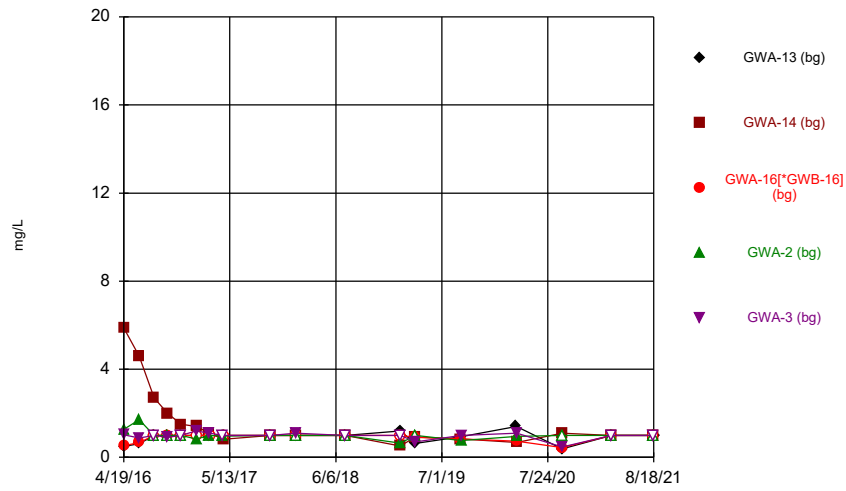
Constituent: Silver Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



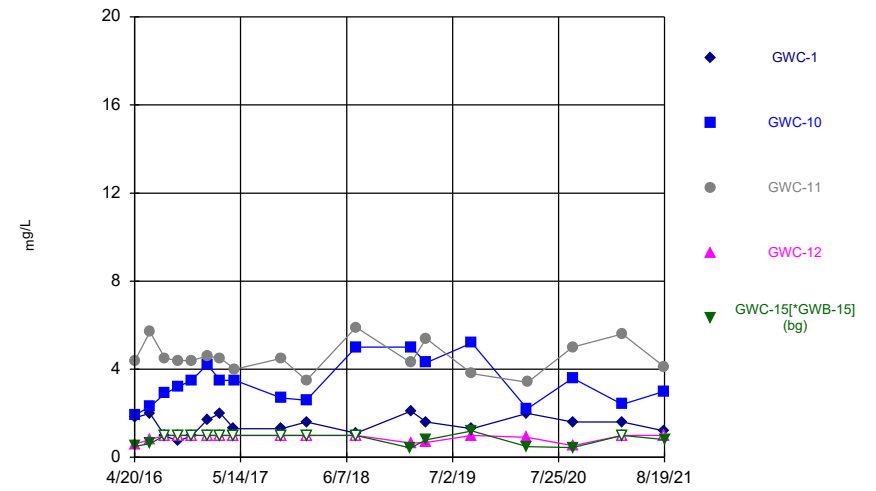
Constituent: Silver Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



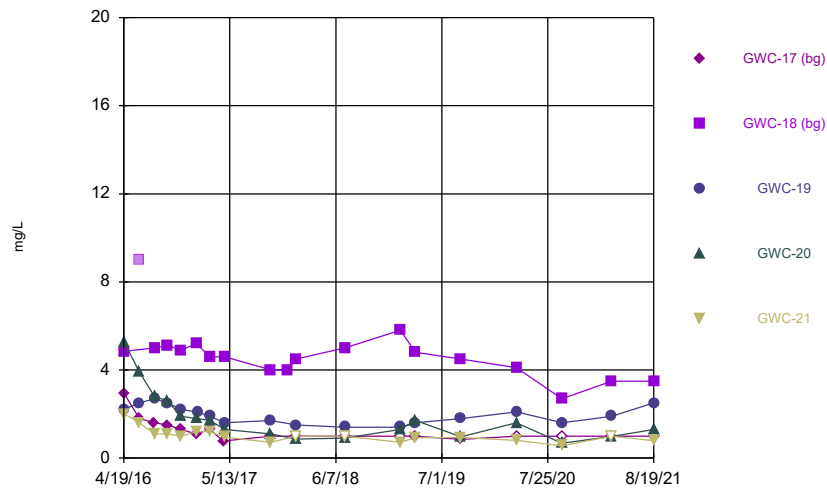
Constituent: Sulfate Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



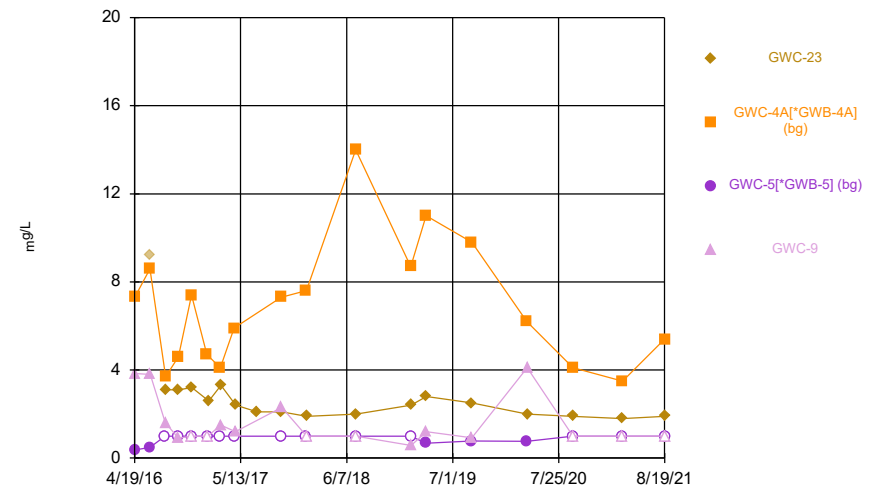
Constituent: Sulfate Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



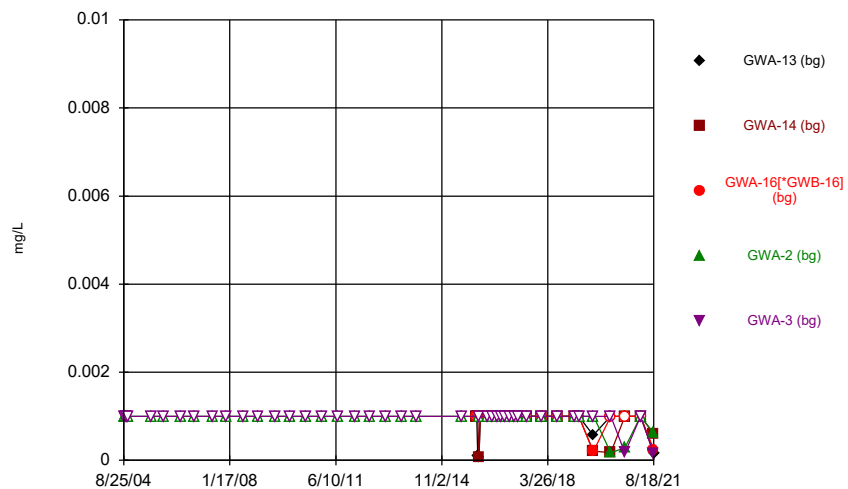
Constituent: Sulfate Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



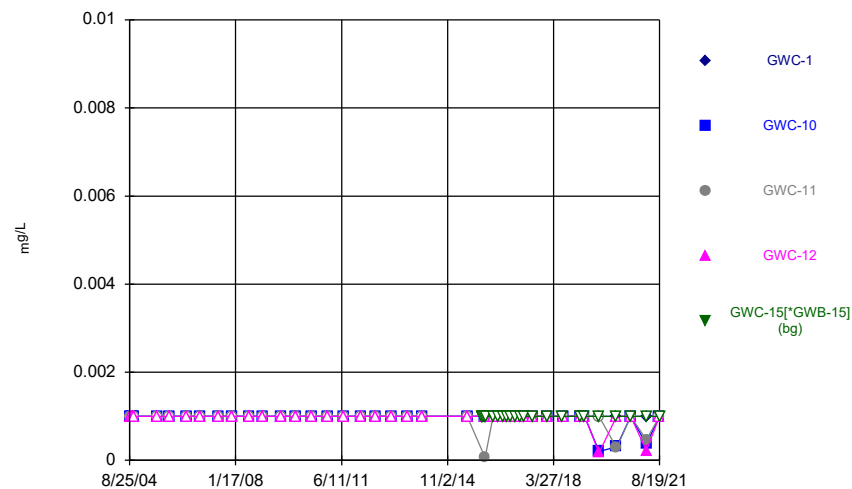
Constituent: Sulfate Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



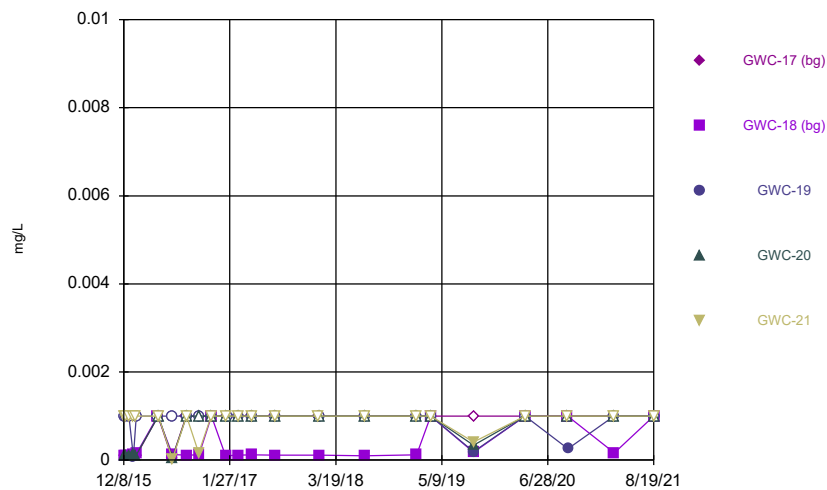
Constituent: Thallium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



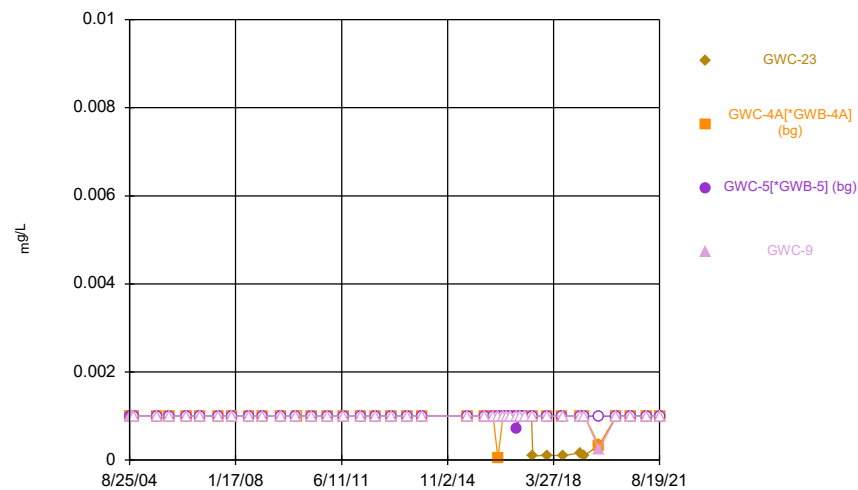
Constituent: Thallium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



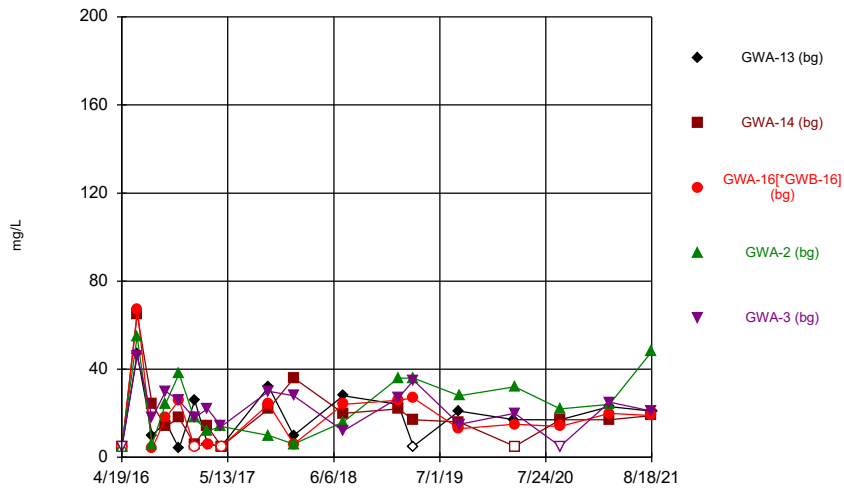
Constituent: Thallium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



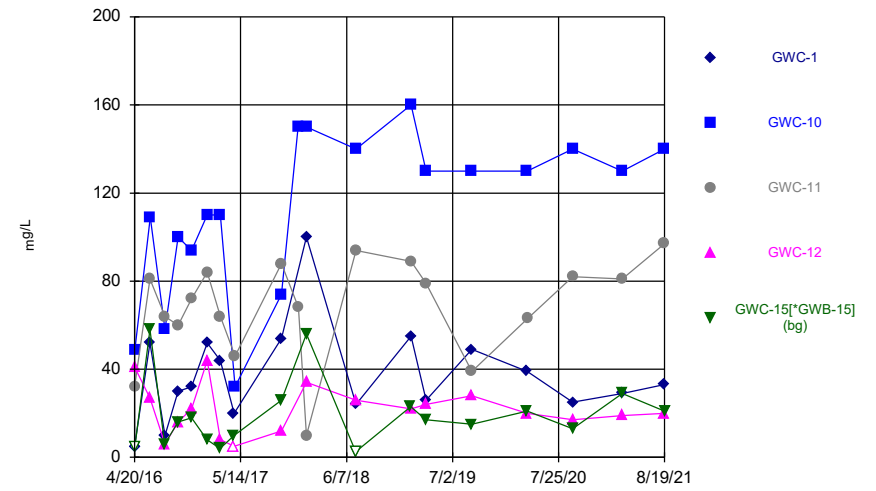
Constituent: Thallium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



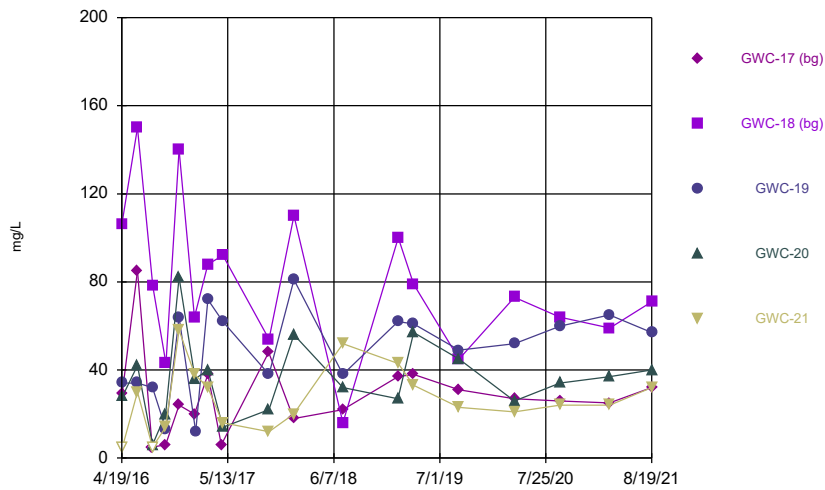
Constituent: Total Dissolved Solids Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



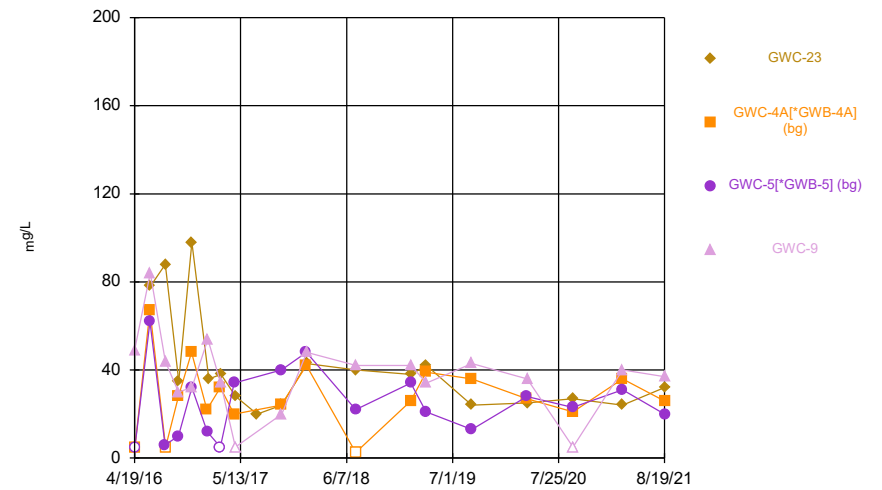
Constituent: Total Dissolved Solids Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



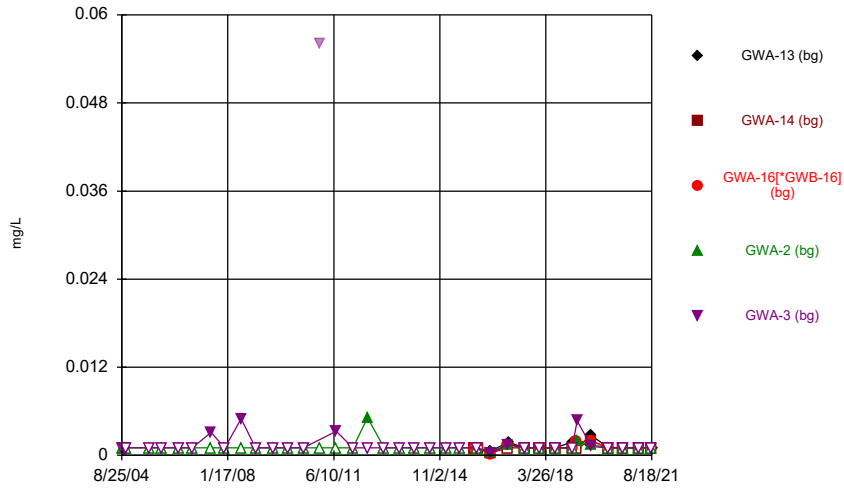
Constituent: Total Dissolved Solids Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



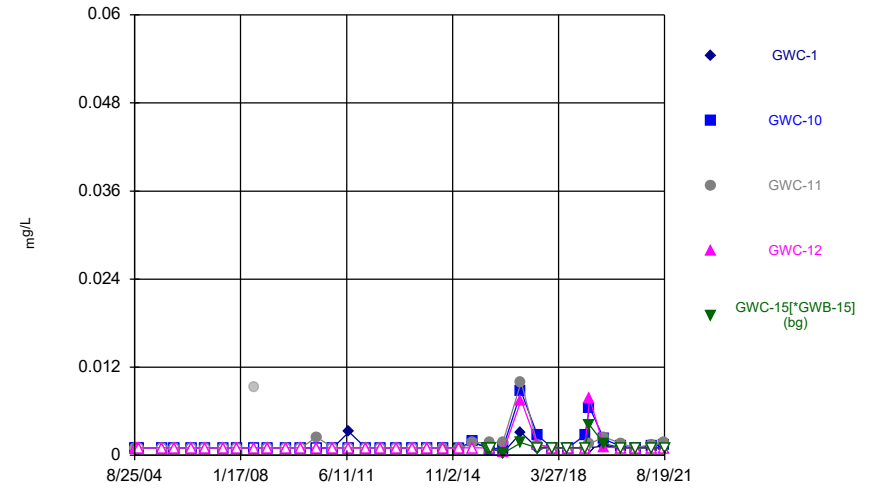
Constituent: Total Dissolved Solids Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



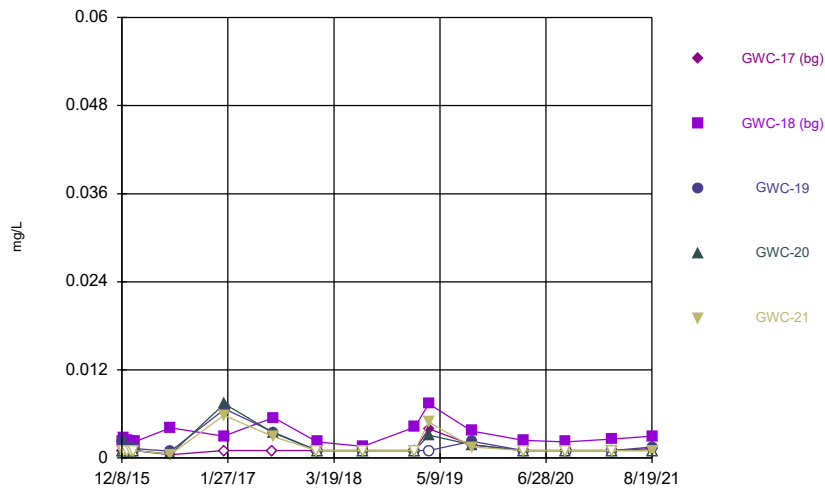
Constituent: Vanadium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



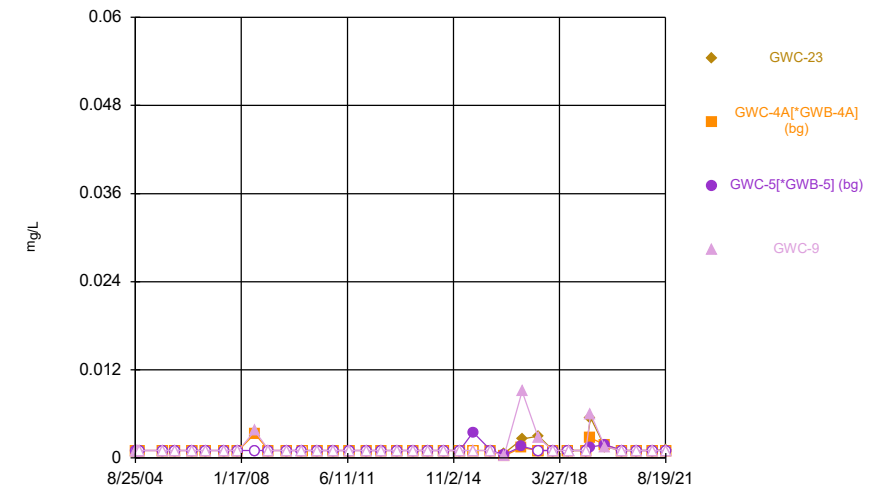
Constituent: Vanadium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



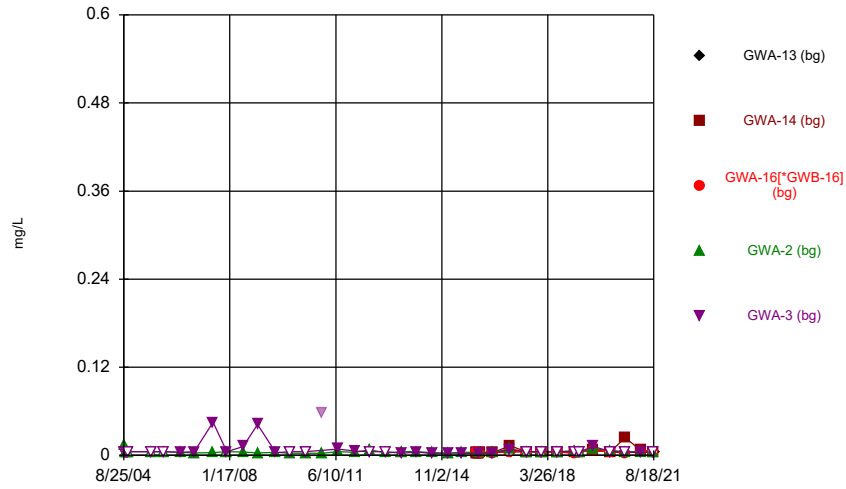
Constituent: Vanadium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



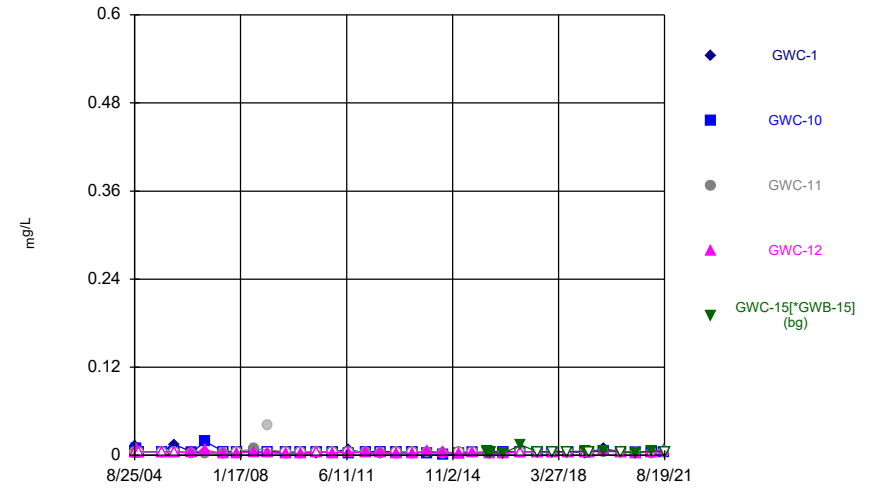
Constituent: Vanadium Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



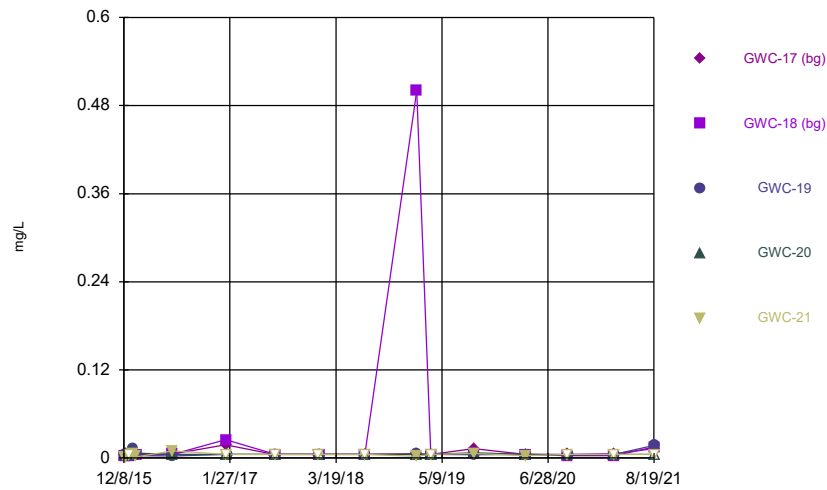
Constituent: Zinc Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



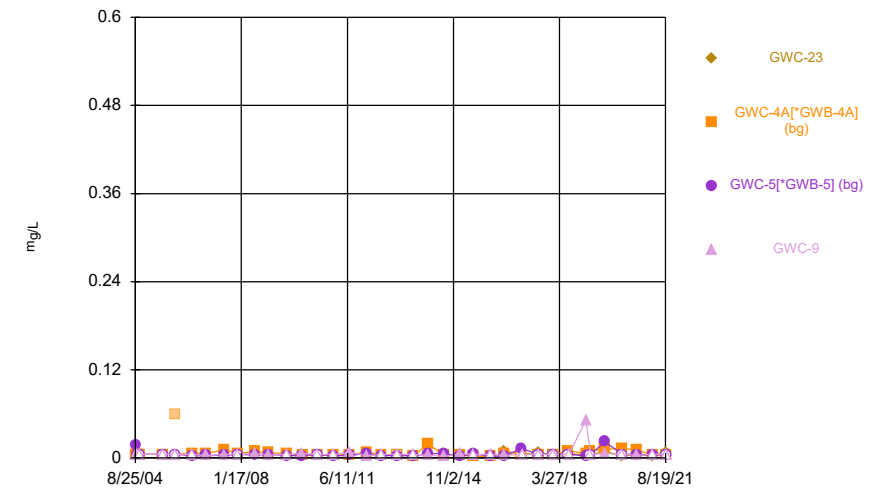
Constituent: Zinc Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



Constituent: Zinc Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Time Series



Constituent: Zinc Analysis Run 9/24/2021 2:14 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				<0.002	<0.002
9/26/2004				<0.002	<0.002
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				<0.002	<0.002
11/28/2006				<0.002	<0.002
7/6/2007				<0.002	<0.002
12/13/2007				<0.002	<0.002
6/20/2008				<0.002	<0.002
12/7/2008				<0.002	<0.002
7/9/2009				<0.002	<0.002
12/28/2009				<0.002	<0.002
6/22/2010				<0.002	<0.002
1/4/2011				<0.002	
1/5/2011					<0.002
7/9/2011				<0.002	<0.002
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				<0.002	<0.002
1/19/2013					<0.002
1/20/2013				<0.002	
7/18/2013					<0.002
7/19/2013				<0.002	
1/15/2014				<0.002	<0.002
7/11/2014				<0.002 (D)	<0.002 (D)
1/15/2015					<0.002
1/16/2015				<0.002	
6/19/2015					<0.002
6/20/2015				<0.002	
12/7/2015	<0.002	<0.002	<0.002		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002		
1/16/2016				<0.002	<0.002
1/25/2016	<0.002	<0.002	<0.002		
4/19/2016				<0.002	<0.002
4/20/2016	<0.002	<0.002	<0.002		
6/14/2016	<0.002	<0.002		<0.002	<0.002
6/15/2016			<0.002		
8/9/2016	<0.002	<0.002	<0.002	<0.002	<0.002
9/26/2016				<0.002	
9/27/2016	<0.002	<0.002	<0.002		<0.002
11/14/2016					<0.002
11/15/2016	<0.002	<0.002	<0.002	<0.002	
1/10/2017				<0.002	<0.002
1/11/2017		<0.002	<0.002		
1/12/2017	<0.002				
2/28/2017	<0.002	<0.002		<0.002	<0.002



# Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.002		
4/19/2017				<0.002	<0.002
4/20/2017	<0.002	<0.002	<0.002		
7/17/2017				<0.002	
7/18/2017	<0.002				0.0022 (J)
7/19/2017		<0.002	<0.002		
1/10/2018	<0.002			<0.002	<0.002
1/11/2018		<0.002	<0.002		
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002		
3/27/2019				<0.002	<0.002
9/10/2019	0.00052 (J)	<0.002	<0.002		
9/11/2019				<0.002	0.00081 (J)
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	0.0004 (J)	<0.002
9/15/2020	<0.002	0.00039 (J)	<0.002	<0.002	<0.002
3/16/2021	<0.002	<0.002	<0.002	<0.002	<0.002
8/17/2021		<0.002	<0.002	<0.002	<0.002
8/18/2021	<0.002				

# Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	<0.002	<0.002	
9/11/2004	<0.002	<0.002	<0.002	<0.002	
9/26/2004	<0.002	<0.002	<0.002	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	<0.002	<0.002	<0.002	
12/7/2005	<0.002	<0.002	<0.002	<0.002	
6/22/2006	<0.002	<0.002	<0.002	<0.002	
11/28/2006	<0.002	<0.002	<0.002	<0.002	
7/6/2007	<0.002	<0.002	<0.002	<0.002	
12/13/2007	<0.002	<0.002	<0.002	<0.002	
6/20/2008	<0.002	<0.002	<0.002	<0.002	
12/7/2008	<0.002	<0.002	<0.002	<0.002	
7/9/2009	<0.002				
7/10/2009		<0.002	<0.002	<0.002	
12/28/2009	<0.002			<0.002	
12/29/2009		<0.002	<0.002		
6/22/2010	<0.002	<0.002	<0.002	<0.002	
1/4/2011	<0.002	<0.002		<0.002	
1/5/2011			<0.002		
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	<0.002		
7/11/2012	<0.002	<0.002	<0.002	<0.002	
1/19/2013			<0.002	<0.002	
1/20/2013	<0.002	<0.002			
7/18/2013				<0.002	
7/19/2013	<0.002	<0.002	<0.002		
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			
7/10/2014		<0.002 (D)			
7/11/2014	<0.002 (D)		<0.002 (D)	<0.002 (D)	
1/15/2015				<0.002	
1/16/2015	<0.002	<0.002	<0.002		
6/19/2015				<0.002	
6/20/2015	<0.002	<0.002	<0.002		
12/7/2015					<0.002
12/15/2015					<0.002
12/28/2015					<0.002
1/13/2016					<0.002
1/14/2016			<0.002		
1/16/2016	<0.002	<0.002		<0.002	
1/25/2016					<0.002
4/20/2016	<0.002		<0.002	<0.002	
4/21/2016		<0.002			<0.002
6/15/2016	<0.002		<0.002	<0.002	<0.002
6/16/2016		<0.002			
8/9/2016					<0.002
8/10/2016	<0.002	<0.002	<0.002	<0.002	
9/27/2016	<0.002	<0.002	<0.002	<0.002	<0.002
11/15/2016	<0.002	<0.002	<0.002	<0.002	<0.002
1/11/2017					<0.002

# Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.002	<0.002	<0.002	<0.002	
1/23/2017	<0.002				
2/28/2017					<0.002
3/1/2017	<0.002	<0.002	<0.002	<0.002	
4/20/2017	<0.002			<0.002	<0.002
4/24/2017		<0.002	<0.002		
7/19/2017	<0.002				<0.002
7/20/2017				<0.002	
7/24/2017		<0.002	<0.002		
1/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2018					<0.002
7/12/2018	<0.002	<0.002	<0.002	<0.002	
1/29/2019					<0.002
1/30/2019	<0.002	<0.002	<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
4/1/2020	<0.002	<0.002		<0.002	<0.002
4/2/2020			<0.002		
9/15/2020	<0.002	<0.002	<0.002		<0.002
9/16/2020				<0.002	
3/16/2021	<0.002	<0.002		<0.002	
3/17/2021			<0.002		<0.002
8/18/2021	<0.002	<0.002	<0.002	<0.002	
8/19/2021					<0.002

# Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.002	<0.002	<0.002		
12/9/2015				<0.002	<0.002
12/14/2015	<0.002	<0.002		<0.002	<0.002
12/15/2015			<0.002		
12/28/2015	<0.002	<0.002	<0.002		
12/29/2015				<0.002	<0.002
1/13/2016	<0.002				
1/14/2016		<0.002	<0.002	<0.002	<0.002
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	<0.002	<0.002		
4/19/2016		<0.002	<0.002		
4/20/2016	<0.002				
4/21/2016				<0.002	<0.002
6/15/2016	<0.002				
6/16/2016		0.00022 (J)	<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			
9/27/2016	<0.002			<0.002	<0.002
9/28/2016		<0.002	<0.002		
11/15/2016	<0.002		<0.002	<0.002	<0.002
11/16/2016		<0.002			
1/11/2017	<0.002	<0.002			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			<0.002		
3/1/2017	<0.002	<0.002	<0.002	<0.002	<0.002
4/20/2017	<0.002				
4/24/2017					<0.002
4/25/2017		<0.002	<0.002	<0.002	
7/19/2017	<0.002				
7/25/2017		<0.002	<0.002	<0.002	<0.002
1/11/2018	<0.002				<0.002
1/12/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002		<0.002	<0.002	
1/30/2019		<0.002			<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002		<0.002	<0.002
9/16/2020			<0.002		
3/16/2021	<0.002		<0.002	<0.002	
3/17/2021		<0.002			<0.002
8/19/2021	<0.002	<0.002	<0.002	<0.002	<0.002

# Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.002	<0.002	<0.002
9/11/2004		<0.002	<0.002	<0.002
9/26/2004		<0.002	<0.002	<0.002
10/13/2004		<0.002	<0.002	<0.002
7/11/2005		<0.002	<0.002	<0.002
12/7/2005		<0.002	<0.002	<0.002
6/22/2006		<0.002	<0.002	<0.002
11/28/2006		<0.002	<0.002	<0.002
7/6/2007		<0.002	<0.002	<0.002
12/13/2007		<0.002	<0.002	<0.002
6/20/2008		<0.002	<0.002	<0.002
12/7/2008		<0.002	<0.002	<0.002
7/9/2009		<0.002	<0.002	<0.002
12/29/2009			<0.002	<0.002
12/30/2009		<0.002		
6/22/2010		<0.002	<0.002	<0.002
1/4/2011		<0.002	<0.002	
1/5/2011				<0.002
7/9/2011			<0.002	<0.002
7/10/2011		<0.002		
1/21/2012		<0.002	<0.002	<0.002
7/11/2012		<0.002	<0.002	<0.002
1/19/2013			<0.002	<0.002
1/20/2013		<0.002		
7/18/2013			<0.002	<0.002
7/19/2013		<0.002		
1/15/2014			<0.002	<0.002
1/16/2014		<0.002		
7/10/2014		<0.002 (D)	<0.002 (D)	<0.002 (D)
1/15/2015			<0.002	
1/16/2015		<0.002		<0.002
6/19/2015			<0.002	
6/20/2015		<0.002		<0.002
1/14/2016		<0.002	<0.002	<0.002
4/19/2016				<0.002
4/20/2016		<0.002	<0.002	
6/14/2016		<0.002	<0.002	
6/15/2016				<0.002
6/16/2016	<0.002			
8/9/2016			<0.002	
8/10/2016	<0.002			<0.002
8/11/2016		<0.002		
9/27/2016		<0.002	<0.002	<0.002
9/28/2016	<0.002			
11/14/2016		<0.002		
11/15/2016			<0.002	<0.002
11/16/2016	<0.002			
1/10/2017		<0.002		
1/11/2017			<0.002	
1/13/2017				<0.002
1/17/2017	<0.002			
1/19/2017			<0.002	

# Time Series

Constituent: Antimony (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		<0.002	<0.002
2/28/2017		<0.002	<0.002
3/1/2017			<0.002
3/2/2017	<0.002		
4/20/2017		<0.002	<0.002
4/24/2017			<0.002
4/25/2017	<0.002		
7/13/2017	<0.002		
7/18/2017		<0.002	<0.002
7/24/2017			<0.002
7/25/2017	<0.002		
1/10/2018		<0.002	<0.002
1/12/2018	<0.002		<0.002
7/11/2018		<0.002	<0.002
7/12/2018	<0.002		<0.002
1/29/2019		<0.002	<0.002
1/30/2019	<0.002		<0.002
3/26/2019		<0.002	<0.002
3/27/2019	<0.002		<0.002
9/10/2019		<0.002	<0.002
9/11/2019	<0.002		<0.002
3/31/2020		<0.002	<0.002
4/1/2020	<0.002		<0.002
9/15/2020	<0.002		<0.002
9/16/2020		<0.002	<0.002
3/17/2021	<0.002	<0.002	<0.002
8/19/2021	<0.002	<0.002	<0.002

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.0089 (o)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	0.00061 (J)

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.001		
4/19/2017				<0.001	0.00069 (J)
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	0.0011
9/10/2019	0.00076 (J)	0.00043 (J)	0.00036 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2021		<0.001	<0.001	<0.001	<0.001
8/18/2021	<0.001				



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		<0.001	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		0.00117 (J)	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		0.0013 (J)	<0.001	<0.001
6/16/2016		0.0004 (J)			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	0.0013	<0.001	
9/27/2016	<0.001	<0.001	0.0011 (J)	<0.001	<0.001
11/15/2016	<0.001	<0.001	0.001 (J)	<0.001	<0.001
1/11/2017					<0.001

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.001	0.00077 (J)	0.0016	0.00062 (J)	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	0.00092 (J)	<0.001	
4/20/2017	<0.001			<0.001	<0.001
4/24/2017		<0.001	0.0011 (J)		
7/19/2017	<0.001				0.00056 (J)
7/20/2017				0.00053 (J)	
7/24/2017		<0.001	0.00086 (J)		
1/11/2018	<0.001	0.00046 (J)	0.0012 (J)	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	0.001 (J)	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	0.0015 (J)	<0.001	
3/26/2019					0.00075
3/27/2019	<0.001	0.0013	0.0013	0.0011	
9/11/2019	<0.001	0.00082 (J)	0.0017	0.00032 (J)	0.00033 (J)
4/1/2020	<0.001	0.00055 (J)		<0.001	<0.001
4/2/2020			0.0014		
9/15/2020	<0.001	0.00041 (J)	0.0011		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	0.00069 (J)		<0.001	
3/17/2021			0.0014		<0.001
8/18/2021	0.0004 (J)	0.00045 (J)	0.0013	<0.001	
8/19/2021					<0.001

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	0.0022 (J)
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	0.002 (J)
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
4/19/2016		0.00112 (J)	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	0.00015 (J)				
6/16/2016		0.0011 (J)	0.00026 (J)	0.00014 (J)	0.00046 (J)
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		0.001 (J)			
9/27/2016	<0.001			<0.001	0.00084 (J)
9/28/2016		0.00062 (J)	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		0.00046 (J)			
1/11/2017	<0.001	0.00093 (J)			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			0.00067 (J)		
3/1/2017	<0.001	0.0006 (J)	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		0.0011 (J)	<0.001	0.00046 (J)	
7/19/2017	0.00047 (J)				
7/25/2017		0.001 (J)	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		0.00095 (J)	<0.001	<0.001	
7/11/2018	<0.001	0.0007 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		<0.001			<0.001
3/27/2019	0.00097	0.0019	<0.001	<0.001	0.00074
9/11/2019	0.00038 (J)	0.0012	0.00057 (J)	0.00066 (J)	0.00064 (J)
4/1/2020	<0.001	0.00067	<0.001	<0.001	<0.001
9/15/2020	<0.001	0.00076 (J)		<0.001	<0.001
9/16/2020			<0.001		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		0.00072 (J)			<0.001
8/19/2021	<0.001	0.00059 (J)	<0.001	<0.001	<0.001

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
7/10/2011		<0.001	
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		<0.001	<0.001
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
4/19/2016			<0.001
4/20/2016		<0.001	<0.001
6/14/2016		0.00016 (J)	5E-05 (J)
6/15/2016			<0.001
6/16/2016	0.00043 (J)		
8/9/2016		<0.001	
8/10/2016	0.0021		<0.001
8/11/2016		0.00096 (J)	
9/27/2016		0.0026	<0.001
9/28/2016	0.0011 (J)		
11/14/2016		0.0017	
11/15/2016		<0.001	<0.001
11/16/2016	0.0011 (J)		
1/10/2017		0.0021	
1/11/2017		<0.001	
1/13/2017			0.00055 (J)
1/17/2017	0.00064 (J)		
1/19/2017		<0.001	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		0.0027	0.0027
2/28/2017		0.0027	<0.001
3/1/2017			<0.001
3/2/2017	<0.001		
4/20/2017		0.0014	<0.001
4/24/2017			<0.001
4/25/2017	0.0007 (J)		
7/13/2017	<0.001		
7/18/2017		0.0012 (J)	<0.001
7/24/2017			<0.001
7/25/2017	<0.001		
1/10/2018		0.00068 (J)	<0.001
1/12/2018	<0.001		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	<0.001		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	<0.001		<0.001
3/26/2019		0.0005	<0.001
3/27/2019	0.00079		0.00073
9/10/2019		0.00051 (J)	0.00035 (J)
9/11/2019	0.00051 (J)		0.00044 (J)
3/31/2020		<0.001	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001
8/19/2021	<0.001	<0.001	<0.001

# Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				0.018	0.025
9/11/2004				0.019	0.015
9/26/2004				0.02	0.017
10/13/2004				0.017	0.017
7/11/2005				0.012	0.012
12/7/2005				0.014	0.012
6/22/2006				0.018	0.016
11/28/2006				0.015	0.017
7/6/2007				0.014	0.1 (O)
12/13/2007				0.014	0.01
6/20/2008				0.018	0.026
12/7/2008				0.013	0.097 (O)
7/9/2009				0.019	0.01
12/28/2009				0.012	0.0091
6/22/2010				0.02	0.011
1/4/2011				0.02	
1/5/2011					0.21 (O)
7/9/2011				0.028	0.035
1/20/2012					0.021
1/21/2012				0.026	
7/11/2012				0.038	0.009
1/19/2013					0.01
1/20/2013				0.025	
7/18/2013					0.014
7/19/2013				0.018	
1/15/2014				0.026	0.016
7/11/2014				0.029	0.016
1/15/2015					0.014
1/16/2015				0.021	
6/19/2015					0.013
6/20/2015				0.031	
12/7/2015	0.015	0.018	0.027		
12/14/2015			0.028		
12/15/2015	0.015	0.017			
12/28/2015			0.029		
12/29/2015	0.016	0.018			
1/13/2016	0.017	0.018	0.028		
1/16/2016				0.031	0.021
1/25/2016	0.017	0.018	0.027		
4/19/2016				0.0305	0.0217
4/20/2016	0.0144	0.0143	0.0259		
6/14/2016	0.015	0.012		0.03	0.024
6/15/2016			0.024		
8/9/2016	0.013	0.011	0.023	0.032	0.023
9/26/2016				0.031	
9/27/2016	0.015	0.01	0.021		0.016
11/14/2016					0.014
11/15/2016	0.015	0.012	0.023	0.033	
1/10/2017				0.031	0.015
1/11/2017		0.011	0.021		
1/12/2017	0.012				
2/28/2017	0.016	0.011		0.033	0.017

# Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			0.022		
4/19/2017				0.032	0.013
4/20/2017	0.015	0.011	0.022		
7/17/2017				0.033	
7/18/2017	0.015				0.012
7/19/2017		0.012	0.024		
1/10/2018	0.015			0.034	0.016
1/11/2018		0.012	0.022		
7/11/2018	0.015	0.012	0.023	0.035	0.015
1/29/2019	0.019	0.013	0.026	0.034	0.017
3/26/2019	0.016	0.012	0.023		
3/27/2019				0.03	0.014
9/10/2019	0.03	0.016	0.039		
9/11/2019				0.034	0.015
3/31/2020	0.015				
4/1/2020		0.013	0.022	0.037	0.014
9/15/2020	0.014	0.012	0.024	0.036	0.015
3/16/2021	0.018	0.013	0.025	0.035	0.015
8/17/2021		0.014	0.024	0.037	0.015
8/18/2021	0.018				

# Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	0.02	0.036	0.018	0.014	
9/11/2004	0.021	0.036	0.022	0.014	
9/26/2004	0.019	0.035	0.022	0.014	
10/13/2004		0.035	0.017	0.013	
7/11/2005	0.017	0.017	0.015	0.011	
12/7/2005	0.018	0.017	0.012	0.012	
6/22/2006	0.018	0.015	0.012	0.012	
11/28/2006	0.026	0.032	0.013	0.011	
7/6/2007	0.014	0.03	0.012	0.014	
12/13/2007	0.013	0.039	0.013	0.011	
6/20/2008	0.019	0.038	0.026	0.011	
12/7/2008	0.019	0.034	0.093 (O)	0.01	
7/9/2009	0.029				
7/10/2009		0.032	0.013	0.011	
12/28/2009	0.039			0.011	
12/29/2009		0.03	0.012		
6/22/2010	0.032	0.024	0.014	0.011	
1/4/2011	0.024	0.017		0.013	
1/5/2011			0.011		
7/9/2011	0.034		0.012	0.015	
7/10/2011		0.03			
1/20/2012				0.013	
1/21/2012	0.022	0.022	0.017		
7/11/2012	0.023	0.025	0.015	0.015	
1/19/2013			0.013	0.014	
1/20/2013	0.027	0.029			
7/18/2013				0.013	
7/19/2013	0.037	0.02	0.012		
1/15/2014	0.032		0.012	0.013	
1/16/2014		0.022			
7/10/2014		0.018			
7/11/2014	0.034		0.012	0.016	
1/15/2015				0.012	
1/16/2015	0.032	0.019	0.011		
6/19/2015				0.015	
6/20/2015	0.037	0.021	0.013		
12/7/2015					0.027
12/15/2015					0.028
12/28/2015					0.026
1/13/2016					0.026
1/14/2016			0.016		
1/16/2016	0.051	0.019		0.013	
1/25/2016					0.027
4/20/2016	0.0554		0.0113	0.0114	
4/21/2016		0.0178			0.0262
6/15/2016	0.046		0.013	0.0095 (J)	0.024
6/16/2016		0.022			
8/9/2016					0.023
8/10/2016	0.042	0.015	0.01	0.0094	
9/27/2016	0.042	0.014	0.01	0.011	0.023
11/15/2016	0.042	0.015	0.011	0.0096	0.023
1/11/2017					0.022



# Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.046	0.015	0.01	0.01	
1/23/2017	0.023				
2/28/2017					0.023
3/1/2017	0.048	0.017	0.011	0.011	
4/20/2017	0.046			0.01	0.024
4/24/2017		0.014	0.01		
7/19/2017	0.045				0.025
7/20/2017				0.011	
7/24/2017		0.015	0.0089		
1/11/2018	0.046	0.013	0.01	0.01	0.023
7/11/2018					0.025
7/12/2018	0.045	0.024	0.016	0.011	
1/29/2019					0.027
1/30/2019	0.05	0.023	0.014 (J)	0.011 (J)	
3/26/2019					0.028
3/27/2019	0.045	0.019	0.013	0.0099	
9/11/2019	0.038	0.021	0.011	0.01	0.023
4/1/2020	0.041	0.035		0.0097 (J)	0.026
4/2/2020			0.011		
9/15/2020	0.038	0.023	0.015		0.023
9/16/2020				0.011	
3/16/2021	0.039	0.019		0.01	
3/17/2021			0.016		0.028
8/18/2021	0.034	0.018	0.011	0.01	
8/19/2021					0.022

# Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.021	0.053	0.057		
12/9/2015				0.039	0.024
12/14/2015	0.021	0.049		0.045	0.027
12/15/2015			0.052		
12/28/2015	0.02	0.048	0.041		
12/29/2015				0.045	0.027
1/13/2016	0.019				
1/14/2016		0.048	0.038	0.034	0.025
1/25/2016				0.038	0.023
1/26/2016	0.019	0.044	0.034		
4/19/2016		0.0308	0.023		
4/20/2016	0.0188				
4/21/2016				0.0325	0.0165
6/15/2016	0.017				
6/16/2016		0.029	0.017	0.027	0.018
8/9/2016	0.018				
8/10/2016			0.013	0.025	0.014
8/11/2016		0.023			
9/27/2016	0.016			0.023	0.018
9/28/2016		0.024	0.013		
11/15/2016	0.017		0.013	0.022	0.015
11/16/2016		0.022			
1/11/2017	0.017	0.017			
1/12/2017					0.014
1/13/2017				0.021	
1/16/2017			0.014		
3/1/2017	0.017	0.02	0.017	0.021	0.015
4/20/2017	0.016				
4/24/2017					0.015
4/25/2017		0.02	0.015	0.02	
7/19/2017	0.017				
7/25/2017		0.017	0.012	0.02	0.015
1/11/2018	0.017				0.016
1/12/2018		0.015	0.014	0.021	
7/11/2018	0.017	0.013	0.018	0.021	0.017
1/29/2019	0.02		0.016	0.017	
1/30/2019		0.02			0.017
3/27/2019	0.017	0.014	0.013	0.018	0.016
9/11/2019	0.021	0.018	0.015	0.021	0.019
4/1/2020	0.019	0.013	0.013	0.016	0.018
9/15/2020	0.018	0.014		0.021	0.021
9/16/2020			0.012		
3/16/2021	0.017		0.0099 (J)	0.016	
3/17/2021		0.013			0.019
8/19/2021	0.017	0.013	0.0095 (J)	0.017	0.018

# Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0096	0.016	0.029
9/11/2004		0.024	0.02	0.031
9/26/2004		0.027	0.016	0.03
10/13/2004		0.022	0.014	0.024
7/11/2005		0.029	0.014	0.022
12/7/2005		0.023	0.014	0.032
6/22/2006		0.026	0.019	0.026
11/28/2006		0.039	0.016	0.02
7/6/2007		0.037	0.018	0.018
12/13/2007		0.029	0.015	0.017
6/20/2008		0.037	0.018	0.018
12/7/2008		0.025	0.016	0.016
7/9/2009		0.028	0.019	0.019
12/29/2009			0.02	0.02
12/30/2009		0.017		
6/22/2010		0.032	0.027	0.022
1/4/2011		0.02	0.025	
1/5/2011				0.021
7/9/2011			0.022	0.021
7/10/2011		0.032		
1/21/2012		0.026	0.024	0.021
7/11/2012		0.023	0.024	0.021
1/19/2013			0.026	0.024
1/20/2013		0.011		
7/18/2013			0.024	0.024
7/19/2013		0.018		
1/15/2014			0.026	0.022
1/16/2014		0.015		
7/10/2014		0.025	0.036	0.023
1/15/2015			0.035	
1/16/2015		0.022		0.015
6/19/2015			0.066	
6/20/2015		0.015		0.024
1/14/2016		0.016	0.059	0.026
4/19/2016				0.0274
4/20/2016		0.0234	0.0553	
6/14/2016		0.019	0.035	
6/15/2016				0.024
6/16/2016	0.057			
8/9/2016			0.035	
8/10/2016	0.072			0.031
8/11/2016		0.024		
9/27/2016		0.035	0.038	0.029
9/28/2016	0.076			
11/14/2016		0.034		
11/15/2016			0.039	0.029
11/16/2016	0.057			
1/10/2017		0.021		
1/11/2017			0.037	
1/13/2017				0.025
1/17/2017	0.049			
1/19/2017			0.079	

# Time Series

Constituent: Barium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		0.42 (o)	
2/28/2017		0.021	0.042
3/1/2017			0.03
3/2/2017	0.067		
4/20/2017		0.019	0.04
4/24/2017			0.024
4/25/2017	0.049		
7/13/2017	0.04		
7/18/2017		0.018	0.04
7/24/2017			0.026
7/25/2017	0.038		
1/10/2018		0.021	0.048
1/12/2018	0.037		0.027
7/11/2018		0.029	0.044
7/12/2018	0.037		0.031
1/29/2019		0.025	0.05
1/30/2019	0.034		0.032
3/26/2019		0.023	0.046
3/27/2019	0.027		0.023
9/10/2019		0.026	0.044
9/11/2019	0.023		0.029
3/31/2020		0.017	0.044
4/1/2020	0.024		0.021
9/15/2020	0.024		0.041
9/16/2020		0.016	0.033
3/17/2021	0.024	0.014	0.04
8/19/2021	0.019	0.013	0.038

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					0.0018
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				<0.0025	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				0.00011 (J)	<0.0025
7/11/2014				0.0001 (J)	<0.0025
1/15/2015					<0.0025
1/16/2015				<0.0025	
6/19/2015					<0.0025
6/20/2015				<0.0025	
12/7/2015	<0.0025	<0.0025	<0.0025		
12/14/2015			<0.0025		
12/15/2015	<0.0025	<0.0025			
12/28/2015			<0.0025		
12/29/2015		<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025		
1/16/2016				<0.0025	<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	7.1E-05 (J)	4.4E-05 (J)		6.5E-05 (J)	3.2E-05 (J)
6/15/2016			0.00011 (J)		
8/9/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025		<0.0025
11/14/2016					<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/10/2017				<0.0025	<0.0025
1/11/2017		<0.0025	<0.0025		
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025		<0.0025	<0.0025

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.0025		
4/19/2017				<0.0025	<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025		
7/17/2017				<0.0025	
7/18/2017	<0.0025				<0.0025
7/19/2017		<0.0025	<0.0025		
1/10/2018	<0.0025			<0.0025	<0.0025
1/11/2018		<0.0025	<0.0025		
7/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025	6.3E-05 (J)	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				<0.0025	<0.0025
9/10/2019	0.0008 (J)	0.00025 (J)	0.00036 (J)		
9/11/2019				<0.0025	<0.0025
3/31/2020	<0.0025				
4/1/2020		<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	<0.0025	<0.0025	<0.0025	0.00024 (J)	<0.0025
3/16/2021	0.0002 (J)	<0.0025	<0.0025	<0.0025	<0.0025
8/17/2021		<0.0025	<0.0025	0.00018 (J)	<0.0025
8/18/2021	<0.0025				

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*]GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	<0.0025		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	<0.0025		
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2013			<0.0025	<0.0025	
1/20/2013	<0.0025	<0.0025			
7/18/2013				<0.0025	
7/19/2013	<0.0025	<0.0025	<0.0025		
1/15/2014	0.00016 (J)		<0.0025	0.00017 (J)	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	0.00018 (J)		<0.0025	0.00024 (J)	
1/15/2015				0.00015 (J)	
1/16/2015	0.00016 (J)	<0.0025	<0.0025		
6/19/2015				0.00016 (J)	
6/20/2015	0.00017 (J)	0.00013 (J)	<0.0025		
12/7/2015				<0.0025	
12/15/2015				<0.0025	
12/28/2015				<0.0025	
1/13/2016				<0.0025	
1/14/2016			<0.0025		
1/16/2016	8E-05 (J)	<0.0025		0.00014 (J)	
1/25/2016					<0.0025
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	0.00012 (J)		<0.0025	0.00014 (J)	3.8E-05 (J)
6/16/2016		8.5E-05 (J)			
8/9/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/11/2017					<0.0025

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	
1/23/2017	<0.0025				
2/28/2017					<0.0025
3/1/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/20/2017	<0.0025			<0.0025	<0.0025
4/24/2017		<0.0025	<0.0025		
7/19/2017	<0.0025				<0.0025
7/20/2017				<0.0025	
7/24/2017		<0.0025	<0.0025		
1/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/11/2018					<0.0025
7/12/2018	<0.0025	<0.0025	<0.0025	<0.0025	
1/29/2019					<0.0025
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2019	0.00021 (J)	<0.0025	<0.0025	0.00022 (J)	<0.0025
4/1/2020	<0.0025	<0.0025		<0.0025	<0.0025
4/2/2020			0.00023 (J)		
9/15/2020	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2020				<0.0025	
3/16/2021	0.00022 (J)	0.00033 (J)		0.00037 (J)	
3/17/2021			0.00048 (J)		<0.0025
8/18/2021	0.00018 (J)	<0.0025	<0.0025	<0.0025	
8/19/2021					<0.0025



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.00046 (J)	<0.0025	0.00018 (J)		
12/9/2015				0.00026 (J)	<0.0025
12/14/2015	0.00052 (J)	<0.0025		0.00032 (J)	<0.0025
12/15/2015			0.00014 (J)		
12/28/2015	0.00057 (J)	<0.0025	9E-05 (J)		
12/29/2015				0.00043 (J)	<0.0025
1/13/2016	0.00056 (J)				
1/14/2016		<0.0025	0.0001 (J)	0.00032 (J)	<0.0025
1/25/2016				0.00038 (J)	<0.0025
1/26/2016	0.00057 (J)	<0.0025	0.00011 (J)		
4/19/2016		<0.0025	<0.0025		
4/20/2016	<0.003 (o)				
4/21/2016				<0.0025	<0.0025
6/15/2016	0.00056 (J)				
6/16/2016		<0.0025	0.00011 (J)	0.00032 (J)	<0.0025
8/9/2016	0.00054 (J)				
8/10/2016			<0.0025	<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	0.00056 (J)			<0.0025	0.00064 (J)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00047 (J)		<0.0025	<0.0025	<0.0025
11/16/2016		<0.0025			
1/11/2017	0.00066 (J)	<0.0025			
1/12/2017					<0.0025
1/13/2017				<0.0025	
1/16/2017			<0.0025		
3/1/2017	0.00066 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2017	0.00055 (J)				
4/24/2017					<0.0025
4/25/2017		<0.0025	<0.0025	<0.0025	
7/19/2017	0.00061 (J)				
7/25/2017		<0.0025	<0.0025	<0.0025	<0.0025
1/11/2018	0.00064 (J)				<0.0025
1/12/2018		<0.0025	<0.0025	<0.0025	
7/11/2018	0.00065 (J)	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	0.00062 (J)		0.00023 (J)	0.00016 (J)	
1/30/2019		<0.0025			<0.0025
3/27/2019	0.00062	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.001	0.00026 (J)	0.00058 (J)	0.00052 (J)	0.00054 (J)
4/1/2020	0.00058 (J)	<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	0.00063 (J)	<0.0025		0.00025 (J)	<0.0025
9/16/2020			0.00022 (J)		
3/16/2021	0.00062 (J)		0.00024 (J)	0.00022 (J)	
3/17/2021		<0.0025			<0.0025
8/19/2021	0.00057 (J)	<0.0025	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025
7/11/2005		<0.0025	0.0011
12/7/2005		<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025
12/29/2009		<0.0025	<0.0025
12/30/2009		<0.0025	
6/22/2010		<0.0025	<0.0025
1/4/2011		<0.0025	
1/5/2011			<0.0025
7/9/2011		<0.0025	<0.0025
7/10/2011		<0.0025	
1/21/2012		<0.0025	<0.0025
7/11/2012		<0.0025	<0.0025
1/19/2013		<0.0025	<0.0025
1/20/2013		<0.0025	
7/18/2013		<0.0025	<0.0025
7/19/2013		<0.0025	
1/15/2014		<0.0025	<0.0025
1/16/2014		<0.0025	
7/10/2014		0.0001 (J)	<0.0025
1/15/2015		<0.0025	
1/16/2015		<0.0025	<0.0025
6/19/2015		0.00013 (J)	
6/20/2015		<0.0025	<0.0025
1/14/2016		<0.0025	<0.0025
4/19/2016			<0.0025
4/20/2016		<0.0025	<0.0025
6/14/2016		8.7E-05 (J)	5.4E-05 (J)
6/15/2016			7.7E-05 (J)
6/16/2016	<0.0025		
8/9/2016		<0.0025	
8/10/2016	<0.0025		<0.0025
8/11/2016		<0.0025	
9/27/2016		<0.0025	<0.0025
9/28/2016	<0.0025		
11/14/2016		<0.0025	
11/15/2016		<0.0025	<0.0025
11/16/2016	<0.0025		
1/10/2017		<0.0025	
1/11/2017		<0.0025	
1/13/2017			<0.0025
1/17/2017	<0.0025		
1/19/2017		<0.0025	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.0025
2/28/2017		<0.0025	<0.0025
3/1/2017			<0.0025
3/2/2017	<0.0025		
4/20/2017		<0.0025	<0.0025
4/24/2017			<0.0025
4/25/2017	<0.0025		
7/13/2017	<0.0025		
7/18/2017		<0.0025	<0.0025
7/24/2017			<0.0025
7/25/2017	<0.0025		
1/10/2018		<0.0025	<0.0025
1/12/2018	<0.0025		<0.0025
7/11/2018		<0.0025	<0.0025
7/12/2018	<0.0025		<0.0025
1/29/2019		0.00011 (J)	<0.0025
1/30/2019	<0.0025		<0.0025
3/26/2019		<0.0025	<0.0025
3/27/2019	<0.0025		<0.0025
9/10/2019		0.0006 (J)	<0.0025
9/11/2019	0.00026 (J)		0.00021 (J)
3/31/2020		<0.0025	<0.0025
4/1/2020	<0.0025		<0.0025
9/15/2020	<0.0025		<0.0025
9/16/2020		<0.0025	<0.0025
3/17/2021	0.00018 (J)	<0.0025	<0.0025
8/19/2021	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Boron (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<0.08	<0.08
4/20/2016	<0.08	<0.08	<0.08		
6/14/2016	0.0086 (J)	0.0098 (J)		0.012 (J)	0.0077 (J)
6/15/2016			0.0085 (J)		
8/9/2016	<0.08	<0.08	<0.08	<0.08	<0.08
9/26/2016				<0.08	
9/27/2016	<0.08	<0.08	<0.08		<0.08
11/14/2016					<0.08
11/15/2016	<0.08	<0.08	<0.08	<0.08	
1/10/2017				<0.08	<0.08
1/11/2017		<0.08	<0.08		
1/12/2017	<0.08				
2/28/2017	<0.08	<0.08		0.022 (J)	<0.08
3/1/2017			<0.08		
4/19/2017				<0.08	<0.08
4/20/2017	<0.08	<0.08	<0.08		
10/10/2017				<0.08	
10/11/2017	<0.08	<0.08	<0.08		<0.08
1/10/2018	<0.08			<0.08	<0.08
1/11/2018		<0.08	<0.08		
7/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08
1/29/2019	<0.08	<0.08	<0.08	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08		
3/27/2019				<0.08	<0.08
9/10/2019	0.061 (J)	<0.08	<0.08		
9/11/2019				<0.08	<0.08
3/31/2020	<0.08				
4/1/2020		<0.08	<0.08	0.042 (J)	<0.08
9/15/2020	<0.08	<0.08	<0.08	<0.08	0.061 (J)
3/16/2021	<0.08	<0.08	<0.08	<0.08	<0.08
8/17/2021		0.1	0.061 (J)	0.069 (J)	<0.08
8/18/2021	0.044 (J)				

# Time Series

Constituent: Boron (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<0.08		<0.08	<0.08	
4/21/2016		<0.08			<0.08
6/15/2016	0.017 (J)		0.011 (J)	0.01 (J)	0.0095 (J)
6/16/2016		0.017 (J)			
8/9/2016					<0.08
8/10/2016	<0.08	<0.08	<0.08	<0.08	
9/27/2016	<0.08	<0.08	<0.08	<0.08	<0.08
11/15/2016	<0.08	0.021 (J)	<0.08	<0.08	<0.08
1/11/2017					<0.08
1/12/2017	<0.08	0.041 (J)	<0.08	<0.08	
2/28/2017					<0.08
3/1/2017	<0.08	0.052	<0.08	<0.08	
4/20/2017	<0.08			<0.08	<0.08
4/24/2017		0.064	<0.08		
10/11/2017	<0.08		<0.08		<0.08
10/12/2017		0.06		<0.08	
12/12/2017		0.086			
1/11/2018	<0.08	0.06	<0.08	<0.08	<0.08
7/11/2018					<0.08
7/12/2018	<0.08	0.054	<0.08	<0.08	
1/29/2019					<0.08
1/30/2019	<0.08	0.055	<0.08	<0.08	
3/26/2019					<0.08
3/27/2019	<0.08	0.05	<0.08	<0.08	
9/11/2019	<0.08	0.067 (J)	<0.08	<0.08	<0.08
4/1/2020	<0.08	0.068 (J)		<0.08	<0.08
4/2/2020			0.066 (J)		
9/15/2020	<0.08	0.062 (J)	<0.08		<0.08
9/16/2020				<0.08	
3/16/2021	<0.08	0.045 (J)		<0.08	
3/17/2021			<0.08		<0.08
8/18/2021	0.046 (J)	0.069 (J)	<0.08	<0.08	
8/19/2021					<0.08

# Time Series

Constituent: Boron (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		<0.08	<0.08		
4/20/2016	<0.08				
4/21/2016				<0.08	<0.08
6/15/2016	0.0095 (J)				
6/16/2016		0.011 (J)	0.0069 (J)	0.012 (J)	0.012 (J)
8/9/2016	<0.08				
8/10/2016			<0.08	<0.08	<0.08
8/11/2016		<0.08			
9/27/2016	<0.08			<0.08	<0.08
9/28/2016		<0.08	<0.08		
11/15/2016	<0.08		<0.08	<0.08	<0.08
11/16/2016		<0.08			
1/11/2017	<0.08	<0.08			
1/12/2017					<0.08
1/13/2017				<0.08	
1/16/2017			<0.08		
3/1/2017	<0.08	<0.08	<0.08	<0.08	<0.08
4/20/2017	<0.08				
4/24/2017					<0.08
4/25/2017		<0.08	<0.08	<0.08	
10/11/2017	<0.08				
10/12/2017		<0.08	<0.08	<0.08	<0.08
1/11/2018	<0.08				<0.08
1/12/2018		<0.08	<0.08	<0.08	
7/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08
1/29/2019	<0.08		<0.08	<0.08	
1/30/2019		<0.08			<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/11/2019	<0.08	<0.08	<0.08	0.042 (J)	0.055 (J)
4/1/2020	<0.08	<0.08	<0.08	<0.08	<0.08
9/15/2020	<0.08	<0.08		<0.08	<0.08
9/16/2020			0.046 (J)		
3/16/2021	<0.08		<0.08	<0.08	
3/17/2021		<0.08			<0.08
8/19/2021	<0.08	<0.08	<0.08	<0.08	<0.08

# Time Series

Constituent: Boron (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			<0.08
4/20/2016		<0.08	<0.08
6/14/2016		0.01 (J)	0.011 (J)
6/15/2016			0.018 (J)
6/16/2016	0.017 (J)		
8/9/2016		<0.08	
8/10/2016	<0.08		<0.08
8/11/2016		<0.08	
9/27/2016		<0.08	<0.08
9/28/2016	<0.08		
11/14/2016		<0.08	
11/15/2016			<0.08
11/16/2016	<0.08		
1/10/2017		<0.08	
1/11/2017			<0.08
1/13/2017			<0.08
1/17/2017	<0.08		
2/28/2017		<0.08	<0.08
3/1/2017			<0.08
3/2/2017	<0.08		
4/20/2017		<0.08	<0.08
4/24/2017			<0.08
4/25/2017	<0.08		
7/13/2017	<0.08		
10/10/2017		<0.08	
10/11/2017			<0.08
10/12/2017	<0.08		<0.08
1/10/2018		<0.08	<0.08
1/12/2018	<0.08		<0.08
7/11/2018		<0.08	<0.08
7/12/2018	<0.08		<0.08
1/29/2019		<0.08	<0.08
1/30/2019	<0.08		<0.08
3/26/2019		<0.08	<0.08
3/27/2019	<0.08		<0.08
9/10/2019		0.052 (J)	<0.08
9/11/2019	0.04 (J)		<0.08
3/31/2020		<0.08	<0.08
4/1/2020	<0.08		<0.08
9/15/2020	<0.08		0.047 (J)
9/16/2020		0.056 (J)	0.042 (J)
3/17/2021	<0.08	<0.08	<0.08
8/19/2021	<0.08	<0.08	<0.08

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					<0.0025
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				<0.0025	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				<0.0025	<0.0025
7/11/2014				<0.0025	<0.0025
1/15/2015					<0.0025
1/16/2015				<0.0025	
6/19/2015					<0.0025
6/20/2015				<0.0025	
12/7/2015	<0.0025	<0.0025	<0.0025		
12/14/2015			<0.0025		
12/15/2015	<0.0025	<0.0025			
12/28/2015			<0.0025		
12/29/2015	<0.0025	<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025		
1/16/2016				<0.0025	<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	0.001	6.2E-05 (J)		<0.0025	<0.0025
6/15/2016			<0.0025		
8/9/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025		<0.0025
11/14/2016					<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/10/2017				<0.0025	<0.0025
1/11/2017		<0.0025	<0.0025		
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025		<0.0025	<0.0025



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.0025		
4/19/2017				<0.0025	<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025		
7/17/2017				<0.0025	
7/18/2017	<0.0025				<0.0025
7/19/2017		<0.0025	<0.0025		
1/10/2018	<0.0025			<0.0025	<0.0025
1/11/2018		<0.0025	<0.0025		
7/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				<0.0025	<0.0025
9/10/2019	0.00035 (J)	<0.0025	0.00015 (J)		
9/11/2019				<0.0025	<0.0025
3/31/2020	<0.0025				
4/1/2020		<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/16/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/17/2021		0.00036 (J)	<0.0025	<0.0025	<0.0025
8/18/2021	<0.0025				

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	<0.0025		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	<0.0025		
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2013			<0.0025	<0.0025	
1/20/2013	<0.0025	<0.0025			
7/18/2013				<0.0025	
7/19/2013	<0.0025	<0.0025	<0.0025		
1/15/2014	<0.0025		<0.0025	<0.0025	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	<0.0025		<0.0025	<0.0025	
1/15/2015				<0.0025	
1/16/2015	<0.0025	<0.0025	<0.0025		
6/19/2015				<0.0025	
6/20/2015	<0.0025	<0.0025	<0.0025		
12/7/2015					<0.0025
12/15/2015					<0.0025
12/28/2015					<0.0025
1/13/2016					<0.0025
1/14/2016			<0.0025		
1/16/2016	<0.0025	<0.0025		<0.0025	
1/25/2016					<0.0025
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	<0.0025		<0.0025	<0.0025	<0.0025
6/16/2016		<0.0025			
8/9/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/11/2017					<0.0025

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	
1/23/2017	<0.0025				
2/28/2017					<0.0025
3/1/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/20/2017	<0.0025			<0.0025	<0.0025
4/24/2017		<0.0025	<0.0025		
7/19/2017	<0.0025				<0.0025
7/20/2017				<0.0025	
7/24/2017		<0.0025	<0.0025		
1/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/11/2018					<0.0025
7/12/2018	<0.0025	<0.0025	<0.0025	<0.0025	
1/29/2019					<0.0025
1/30/2019	<0.0025	<0.0025	<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
4/1/2020	<0.0025	<0.0025		<0.0025	<0.0025
4/2/2020			<0.0025		
9/15/2020	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2020				<0.0025	
3/16/2021	<0.0025	<0.0025		<0.0025	
3/17/2021			<0.0025		<0.0025
8/18/2021	<0.0025	<0.0025	<0.0025	<0.0025	
8/19/2021					<0.0025

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.00049 (J)	<0.0025	<0.0025		
12/9/2015				<0.0025	<0.0025
12/14/2015	0.00053 (J)	<0.0025		0.00031 (J)	<0.0025
12/15/2015			<0.0025		
12/28/2015	0.00061 (J)	<0.0025	<0.0025		
12/29/2015				0.00075 (J)	<0.0025
1/13/2016	0.00063 (J)				
1/14/2016		<0.0025	<0.0025	0.00039 (J)	<0.0025
1/25/2016				0.00078 (J)	<0.0025
1/26/2016	0.00072 (J)	<0.0025	<0.0025		
4/19/2016		<0.0025	0.00017 (J)		
4/20/2016	0.000633 (J)				
4/21/2016				0.00052 (J)	<0.0025
6/15/2016	0.00055 (J)				
6/16/2016		8.5E-05 (J)	0.00018 (J)	0.00044 (J)	0.00012 (J)
8/9/2016	0.00046 (J)				
8/10/2016			<0.0025	<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	0.00071 (J)			<0.0025	0.00062 (J)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00056 (J)		<0.0025	<0.0025	<0.0025
11/16/2016		<0.0025			
1/11/2017	0.0007 (J)	<0.0025			
1/12/2017					<0.0025
1/13/2017				0.00036 (J)	
1/16/2017			<0.0025		
3/1/2017	0.00063 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2017	0.00055 (J)				
4/24/2017					<0.0025
4/25/2017		<0.0025	<0.0025	<0.0025	
7/19/2017	0.00072 (J)				
7/25/2017		<0.0025	<0.0025	<0.0025	<0.0025
1/11/2018	0.00062 (J)				<0.0025
1/12/2018		<0.0025	<0.0025	<0.0025	
7/11/2018	0.0004 (J)	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	0.00062 (J)		0.0002 (J)	0.00016 (J)	
1/30/2019		<0.0025			0.00014 (J)
3/27/2019	0.00041	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.00064 (J)	<0.0025	0.00031 (J)	0.00029 (J)	0.00029 (J)
4/1/2020	0.00048 (J)	<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	0.00046 (J)	<0.0025		<0.0025	<0.0025
9/16/2020			<0.0025		
3/16/2021	0.00057 (J)		<0.0025	<0.0025	
3/17/2021		<0.0025			<0.0025
8/19/2021	0.00057 (J)	<0.0025	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025
7/11/2005		<0.0025	<0.0025
12/7/2005		<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025
12/29/2009		<0.0025	<0.0025
12/30/2009		<0.0025	
6/22/2010		<0.0025	<0.0025
1/4/2011		<0.0025	
1/5/2011			<0.0025
7/9/2011		<0.0025	<0.0025
7/10/2011		<0.0025	
1/21/2012		<0.0025	<0.0025
7/11/2012		<0.0025	<0.0025
1/19/2013		<0.0025	<0.0025
1/20/2013		<0.0025	
7/18/2013		<0.0025	<0.0025
7/19/2013		<0.0025	
1/15/2014		<0.0025	<0.0025
1/16/2014		<0.0025	
7/10/2014		<0.0025	<0.0025
1/15/2015		<0.0025	
1/16/2015		<0.0025	<0.0025
6/19/2015		<0.0025	
6/20/2015		<0.0025	<0.0025
1/14/2016		<0.0025	<0.0025
4/19/2016			<0.0025
4/20/2016		0.000111 (J)	<0.0025
6/14/2016		0.00013 (J)	<0.0025
6/15/2016			<0.0025
6/16/2016	<0.0025		
8/9/2016		<0.0025	
8/10/2016	<0.0025		<0.0025
8/11/2016		<0.0025	
9/27/2016		<0.0025	<0.0025
9/28/2016	<0.0025		
11/14/2016		<0.0025	
11/15/2016		<0.0025	<0.0025
11/16/2016	<0.0025		
1/10/2017		<0.0025	
1/11/2017		<0.0025	
1/13/2017			<0.0025
1/17/2017	<0.0025		
1/19/2017		<0.0025	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.0025
2/28/2017		<0.0025	<0.0025
3/1/2017			<0.0025
3/2/2017	<0.0025		
4/20/2017		<0.0025	<0.0025
4/24/2017			<0.0025
4/25/2017	<0.0025		
7/13/2017	<0.0025		
7/18/2017		<0.0025	<0.0025
7/24/2017			<0.0025
7/25/2017	<0.0025		
1/10/2018		<0.0025	<0.0025
1/12/2018	<0.0025		<0.0025
7/11/2018		<0.0025	<0.0025
7/12/2018	<0.0025		<0.0025
1/29/2019		<0.0025	<0.0025
1/30/2019	0.00015 (J)		<0.0025
3/26/2019		<0.0025	<0.0025
3/27/2019	<0.0025		<0.0025
9/10/2019		0.00019 (J)	<0.0025
9/11/2019	0.00018 (J)		<0.0025
3/31/2020		<0.0025	<0.0025
4/1/2020	<0.0025		<0.0025
9/15/2020	<0.0025		<0.0025
9/16/2020		<0.0025	<0.0025
3/17/2021	<0.0025	<0.0025	<0.0025
8/19/2021	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Calcium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				0.485 (J)	1.13
4/20/2016	0.389 (J)	0.686	0.472 (J)		
6/14/2016	0.37 (J)	0.62		0.72	1
6/15/2016			0.42 (J)		
8/9/2016	0.14 (J)	0.39	0.19	0.24 (J)	0.71
9/26/2016				0.48	
9/27/2016	0.33	0.52	0.39		0.77
11/14/2016					0.75
11/15/2016	0.28	0.5	0.39	0.54	
1/10/2017				0.62	0.73
1/11/2017		0.47	0.36		
1/12/2017	0.37				
2/28/2017	0.26	0.47		0.91	0.76
3/1/2017			0.38		
4/19/2017				0.75	0.69
4/20/2017	0.27	0.5	0.41		
10/10/2017				0.54	
10/11/2017	0.3	0.49	0.4		0.73
1/10/2018	0.27			0.52	0.88
1/11/2018		0.51	0.43		
7/11/2018	0.32	0.47	0.45	0.5	0.81
1/29/2019	0.33	0.51	0.41	0.53	0.85
3/26/2019	0.3	0.42	0.37		
3/27/2019				0.37	0.73
9/10/2019	0.37 (J)	0.47 (J)	0.41 (J)		
9/11/2019				0.43 (J)	0.76
3/31/2020	0.42 (J)				
4/1/2020		0.49 (J)	0.43 (J)	0.47 (J)	0.72
9/15/2020	0.32 (J)	0.6	0.42 (J)	0.42 (J)	0.84
3/16/2021	0.4 (J)	0.51	0.48 (J)	0.4 (J)	0.75
8/17/2021		0.47 (J)	0.46 (J)	0.4 (J)	0.81
8/18/2021	0.51				

# Time Series

Constituent: Calcium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	3.22		8.94	0.69	
4/21/2016		13.9			0.686
6/15/2016	3		10.6	0.69	0.61
6/16/2016		18.9			
8/9/2016					0.21 (J)
8/10/2016	2.1	13	7.6	0.45	
9/27/2016	2.3	14	8.7	0.61	0.4
11/15/2016	2.4	13	8.4	0.61	0.35
1/11/2017					0.34
1/12/2017	2.5	14	8.1	0.6	
2/28/2017					0.37
3/1/2017	2.7	15	8.9	0.61	
4/20/2017	2.6			0.65	0.43
4/24/2017		14	8.8		
10/11/2017	2.4		10		0.41
10/12/2017		16		0.76	
12/12/2017		23			
12/13/2017			11		
1/11/2018	2.4	15	9.3	0.78	0.41
7/11/2018					0.53
7/12/2018	1.8	27	13	0.67	
1/29/2019					0.91
1/30/2019	2.5	26	11	0.68 (J)	
3/26/2019					0.58
3/27/2019	2.4	22	13	0.62	
9/11/2019	1.4	26	9.3	0.62	0.42 (J)
4/1/2020	1.9	21		0.7	2.3
4/2/2020			8.5		
9/15/2020	1.3	27	13		0.38 (J)
9/16/2020				0.64	
3/16/2021	1.6	18		0.62	
3/17/2021			14		5.5
8/18/2021	1.1	23	10	0.75	
8/19/2021					0.49 (J)



# Time Series

Constituent: Calcium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		26	10.3		
4/20/2016	2.48				
4/21/2016				2.29	2.78
6/15/2016	2.2				
6/16/2016		33.2	10.4	2.4	2.9
8/9/2016	1.8				
8/10/2016			6.7	1.4	0.99
8/11/2016		18			
9/27/2016	1.9			1.4	1.3
9/28/2016		17	6.9		
11/15/2016	2.1		7.5	1.3	1.1
11/16/2016		17			
1/11/2017	2	15			
1/12/2017					0.93
1/13/2017				1.3	
1/16/2017			8		
3/1/2017	2.1	16	8.5	1.4	1
4/20/2017	2				
4/24/2017					1.1
4/25/2017		17	8.2	1.4	
10/11/2017	2.1				
10/12/2017		14	9.5	1.7	1.1
12/12/2017			9.1		
12/13/2017		12			
1/11/2018	2.1				1
1/12/2018		15	9.5	1.7	
7/11/2018	2.1	12	10	1.7	1.1
1/29/2019	2.2		9.2	1.8	
1/30/2019		14			1 (J)
3/27/2019	2	11	9.2	1.5	1.1
9/11/2019	2	13	8.2	1.5	1
4/1/2020	2.1	11	8.7	1.8	1.1
9/15/2020	2	10		1.5	1.1
9/16/2020			7.6		
3/16/2021	2		7	1.4	
3/17/2021		9.1			1.1
8/19/2021	2.2	9.3	6.9	1.3	1.2

# Time Series

Constituent: Calcium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			0.431 (J)
4/20/2016		1.12	4.39
6/14/2016		1.1	2.4
6/15/2016			0.27 (J)
6/16/2016	15.6		
8/9/2016		2	
8/10/2016	10		0.13 (J)
8/11/2016		1.9	
9/27/2016		3.4	2.9
9/28/2016	8.5		0.21 (J)
11/14/2016		3.1	
11/15/2016			2.5
11/16/2016	8.4		0.27
1/10/2017		1.5	
1/11/2017			2.5
1/13/2017			0.41
1/17/2017	3		
2/28/2017		1.1	2.7
3/1/2017			0.25
3/2/2017	3.3		
4/20/2017		0.98	2.8
4/24/2017			0.34
4/25/2017	2.5		
7/13/2017	2.1		
10/10/2017		0.8	
10/11/2017			3.3
10/12/2017	1.5		0.21 (J)
1/10/2018		0.82	3.3
1/12/2018	1.4		0.4
7/11/2018		1	3
7/12/2018	1.2		0.49
1/29/2019		0.83	3.3
1/30/2019	1.1 (J)		0.38 (J)
3/26/2019		0.53	2.8
3/27/2019	1.4		0.28
9/10/2019		0.64	2.3
9/11/2019	1.4		0.44 (J)
3/31/2020		0.8	2.9
4/1/2020	1.4		0.2 (J)
9/15/2020	1.3		2.2
9/16/2020		0.43 (J)	0.45 (J)
3/17/2021	0.99	0.33 (J)	2.4
8/19/2021	1.1	0.3 (J)	2.4

# Time Series

Constituent: Chloride (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				5.01	9.4
4/20/2016	3.49	4.55	3.92		
6/14/2016	3.4	4.3		5	8.3
6/15/2016			3.8		
8/9/2016	3.7	4.5	4	5.1	8.6
9/26/2016				5.1	
9/27/2016	3.8	4.4	3.9		6.3
11/14/2016					6.1
11/15/2016	3.8	4.5	4	5.2	
1/10/2017				4.9	6.1
1/11/2017		4.3	3.7		
1/12/2017	3.5				
2/28/2017	3.6	4		4.7	6.2
3/1/2017			3.5		
4/19/2017				4.4	5
4/20/2017	3.4	4	3.6		
10/10/2017				4.7	
10/11/2017	3.4	4	3.5		4.1
1/10/2018	3.4			4.6	4.2
1/11/2018		3.9	3.4		
7/11/2018	3.4	4.2	3.7	5	4.3
1/29/2019	3.6	4	3.8	5	4
3/26/2019	3.5	4.1	3.6		
3/27/2019				4.5	3.5
9/10/2019	3.3	4	3.7		
9/11/2019				4.8	3.5
3/31/2020	3.7				
4/1/2020		4.2	3.8	4.9	3.7
9/15/2020	3.5	4.3	3.7	4.9	3.4
3/16/2021	4	4.1	4.1	4.9	3.6
8/17/2021		4.3	4	5.4	3.5
8/18/2021	4.1				

# Time Series

Constituent: Chloride (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	6.68		4.9	3.61	
4/21/2016		6.41			3.99
6/15/2016	7		4.6	3.3	3.5
6/16/2016		6			
8/9/2016					4
8/10/2016	7	6.8	5.1	3.8	
9/27/2016	6.4	6.1	4.9	3.7	3.9
11/15/2016	6.6	6.7	5	3.9	4
1/11/2017					3.8
1/12/2017	7.3	6.5	4.7	3.6	
2/28/2017					3.5
3/1/2017	7.5	6.3	4.4	3.4	
4/20/2017	6.8			3.5	3.3
4/24/2017		6.1	4.4		
10/11/2017	7		4.5		3.5
10/12/2017		6		3.5	
1/11/2018	7.5	5.9	4.3	3.4	3.4
7/11/2018					3.8
7/12/2018	7	5.1	4.3	3.7	
1/29/2019					3.7
1/30/2019	6.8	5.6	4.6	3.7	
3/26/2019					3.8
3/27/2019	6.8	5.3	4	3.3	
9/11/2019	6	5.4	4.4	3.5	3.7
4/1/2020	5.9	6.9		3.7	3.8
4/2/2020			4.6		
9/15/2020	6.1	6.2	4.1		3.6
9/16/2020				3.5	
3/16/2021	5.8	7.2		3.8	
3/17/2021			4.6		4
8/18/2021	5.3	6.8	5.2	3.9	
8/19/2021					4.3

# Time Series

Constituent: Chloride (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		5.03	6.1		
4/20/2016	4.25				
4/21/2016				11.6	6.08
6/15/2016	4.1				
6/16/2016		4.7	5.7	10	5.8
8/9/2016	4.5				
8/10/2016			6.2	10	6.5
8/11/2016		5.3			
9/27/2016	4.4			8.9	6.4
9/28/2016		5.1	6.9		
11/15/2016	4.5		7.8	8.5	6.4
11/16/2016		5.2			
1/11/2017	4.2	5			
1/12/2017					6.3
1/13/2017				8.3	
1/16/2017			8.6		
3/1/2017	3.9	4.6	8.3	7.9	5.9
4/20/2017	4				
4/24/2017					5.9
4/25/2017		4.6	8.4	8.2	
10/11/2017	4.1				
10/12/2017		4.6	8.7	9.1	6.1
1/11/2018	4.1				5.8
1/12/2018		4.5	9	9	
7/11/2018	4.4	4.9	9.1	9.9	6.4
9/13/2018				8.9	
1/29/2019	4.5		8.2	8.8	
1/30/2019		4.8			6.7
3/27/2019	4.1	4.3	7.5	8.9	6.3
9/11/2019	4.3	4.5	7.7	8.7	6.7
4/1/2020	4.6	4.7	7.3	8.6	6.5
9/15/2020	4.3	4.4		8.7	6.5
9/16/2020			6.5		
3/16/2021	4.9		6.5	8	
3/17/2021		4.7			6.7
8/19/2021	4.8	5.1	6.7	8.8	6.7

# Time Series

Constituent: Chloride (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			14.4
4/20/2016		2.93	3.69
6/14/2016		2.9	3.5
6/15/2016			12
6/16/2016	5.1		
8/9/2016		3.7	
8/10/2016	4.4		13
8/11/2016		3.6	
9/27/2016		3.4	3.6
9/28/2016	4		12
11/14/2016		4.2	
11/15/2016			3.7
11/16/2016	4.1		11
1/10/2017		3.6	
1/11/2017			3.5
1/13/2017			11
1/17/2017	4.3		
2/28/2017		3.3	3.3
3/1/2017			11
3/2/2017	4		
4/20/2017		3.5	3.3
4/24/2017			9.3
4/25/2017	4.1		
7/13/2017	4.2		
10/10/2017		3.9	
10/11/2017			3.2
10/12/2017	4.3		9.8
12/12/2017			10
1/10/2018		3.3	3.2
1/12/2018	4.3		9
7/11/2018		3.2	3.5
7/12/2018	4.9		9.4
9/13/2018			9.1
1/29/2019		3.4	3.6
1/30/2019	7.4		9.1
3/26/2019		3.7	3.6
3/27/2019	4.2		10
6/17/2019			9.4
9/10/2019		3.6	3.5
9/11/2019	4.6		9.3
3/31/2020		4.9	4.1
4/1/2020	4.9		9.7
9/15/2020	5		18
9/16/2020		3.5	8.6
3/17/2021	5.5	4.5	4.2
8/19/2021	6	3.5	4.3

# Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				<0.002	0.0024
9/26/2004				<0.002	<0.002
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				0.0024	0.0021
11/28/2006				0.0019	0.0023
7/6/2007				0.0021	0.0049
12/13/2007				0.0021	0.0013
6/20/2008				0.0017	0.0025
12/7/2008				0.0018	0.0034
7/9/2009				0.0015	<0.002
12/28/2009				0.002	0.0021
6/22/2010				0.0017	0.0018
1/4/2011				0.002	
1/5/2011					0.077 (O)
7/9/2011				0.0027	0.004
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				0.0061 (O)	<0.002
1/19/2013					0.0013
1/20/2013				0.002	
7/18/2013					0.0022
7/19/2013				0.0021	
1/15/2014				0.0029	0.0019
7/11/2014				0.002	0.0014
1/15/2015					0.0011 (J)
1/16/2015				0.0026	
6/19/2015					0.0012 (J)
6/20/2015				0.002	
12/7/2015	<0.002	<0.002	<0.002		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/16/2016				0.0015	0.0014
1/25/2016	<0.002	<0.002	<0.002		
4/19/2016				<0.002	<0.002
4/20/2016	<0.01 (o)	<0.002	<0.002		
6/14/2016	0.0094 (J)	0.00086 (J)		0.0017 (J)	0.00085 (J)
6/15/2016			0.00072 (J)		
8/9/2016	<0.002	<0.002	<0.002	0.0014 (J)	<0.002
9/26/2016				0.0016 (J)	
9/27/2016	<0.002	<0.002	<0.002		<0.002
11/14/2016					0.0011 (J)
11/15/2016	<0.002	<0.002	0.0011 (J)	0.0015 (J)	
1/10/2017				0.0015 (J)	0.0012 (J)
1/11/2017		<0.002	0.0012 (J)		
1/12/2017	<0.002				
2/28/2017	0.0049	0.0047		0.0044	0.004
3/1/2017			0.0052		

# Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2017				0.0011 (J)	0.0011 (J)
4/20/2017	0.0011 (J)	<0.002	0.0013 (J)		
7/17/2017				0.0011 (J)	
7/18/2017	<0.002				<0.002
7/19/2017		<0.002	0.0015 (J)		
1/10/2018	<0.002			0.0014 (J)	0.0012 (J)
1/11/2018		<0.002	0.0013 (J)		
7/11/2018	<0.002	<0.002	0.0012 (J)	0.0011 (J)	0.0011 (J)
1/29/2019	0.0037 (J)	<0.002	<0.002	<0.002	<0.002
3/26/2019	0.0014	<0.002	0.0015		
3/27/2019				0.0016	0.0014
9/10/2019	0.0052	0.004	0.004		
9/11/2019				0.004	0.0034
3/31/2020	0.0019 (J)				
4/1/2020		<0.002	0.024	0.0017 (J)	<0.002
9/15/2020	<0.002	<0.002	0.0015 (J)	0.0015 (J)	<0.002
3/16/2021	<0.002	<0.002	0.0017 (J)	0.0015 (J)	0.0015 (J)
8/17/2021		<0.002	0.0019 (J)	0.0016 (J)	0.0015 (J)
8/18/2021	<0.002				



# Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	0.0033	<0.002	
9/11/2004	<0.002	0.0027	0.0038	<0.002	
9/26/2004	<0.002	<0.002	0.0031	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	0.0036	0.0039	<0.002	
12/7/2005	0.0021	0.0042	0.0053	<0.002	
6/22/2006	0.002	0.0045	0.0069	0.002	
11/28/2006	0.0024	0.0017	0.0056	0.0015	
7/6/2007	0.0034	<0.002	0.0063	0.0021	
12/13/2007	0.0029	<0.002	0.0058	0.0025	
6/20/2008	0.002	<0.002	0.013	0.0017	
12/7/2008	0.072 (O)	<0.002	0.0048	0.0016	
2/6/2009	0.0035				
7/9/2009	0.0017				
7/10/2009		0.0021	0.0086	0.0017	
12/28/2009	<0.002			0.0018	
12/29/2009		0.0023	0.0077		
6/22/2010	<0.002	0.0051	0.0046	0.0018	
1/4/2011	0.0023	0.0026		0.0039	
1/5/2011			0.0053		
7/9/2011	0.005		0.007	0.0041	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	0.0073		
7/11/2012	0.0023	0.0018	0.01	0.0052	
1/19/2013			0.0058	0.0025	
1/20/2013	0.003	0.0014			
7/18/2013				0.0035	
7/19/2013	<0.002	0.0032	0.005		
1/15/2014	0.002		0.0081	0.0082	
1/16/2014		0.0058			
7/10/2014		0.0034			
7/11/2014	0.0012 (J)		0.0087	0.0048	
1/15/2015				0.0022	
1/16/2015	0.0011 (J)	0.0024	0.0061		
6/19/2015				0.0024	
6/20/2015	0.0028	0.0072	0.005		
12/7/2015					<0.002
12/15/2015					<0.002
12/28/2015					<0.002
1/14/2016			0.0045		
1/16/2016	0.0013	0.0076		0.002	
1/25/2016					<0.002
4/20/2016	<0.002		0.00856 (J)	<0.002	
4/21/2016		0.00617 (J)			<0.002
6/15/2016	0.0011 (J)		0.0061 (J)	0.0016 (J)	0.0008 (J)
6/16/2016		0.007 (J)			
8/9/2016					<0.002
8/10/2016	0.0015 (J)	0.0056	0.0052	0.0016 (J)	
9/27/2016	0.0018 (J)	0.0057	0.0051	0.0019 (J)	<0.002
11/15/2016	0.0019 (J)	0.0062	0.005	0.0017 (J)	<0.002
1/11/2017					<0.002

# Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.0012 (J)	0.0061	0.0051	0.0017 (J)	
1/23/2017	<0.002				
2/28/2017					0.0051
3/1/2017	0.0049	0.01	0.0088	0.0055	
4/20/2017	<0.002			0.0016 (J)	0.0012 (J)
4/24/2017		0.0053	0.0049		
7/19/2017	0.0017 (J)				0.0013 (J)
7/20/2017				0.0017 (J)	
7/24/2017		0.0055	0.0049		
1/11/2018	<0.002	0.0055	0.0044	0.0016 (J)	0.0011 (J)
7/11/2018					<0.002
7/12/2018	<0.002	0.0017 (J)	0.0023 (J)	0.0015 (J)	
1/29/2019					<0.002
1/30/2019	<0.002	0.0071 (J)	0.006 (J)	0.0039 (J)	
3/26/2019					0.0016
3/27/2019	<0.002	0.0035	0.0031	0.0019	
9/11/2019	0.0035	0.004	0.0071	0.0036	0.0038
4/1/2020	<0.002	0.0084		0.0019 (J)	0.0015 (J)
4/2/2020			0.0055		
9/15/2020	<0.002	0.0018 (J)	0.0028		<0.002
9/16/2020				0.0016 (J)	
3/16/2021	<0.002	0.0054		0.0019 (J)	
3/17/2021			0.0031		<0.002
8/18/2021	0.0018 (J)	0.0026	0.004	0.0037	
8/19/2021					<0.002

# Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.002	0.0012 (J)	0.0026		
12/9/2015				<0.002	<0.002
12/14/2015	<0.002	0.0018		<0.002	<0.002
12/15/2015			0.0017		
12/28/2015	<0.002	0.0017	0.0016		
12/29/2015				<0.002	<0.002
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	0.0013	0.0016		
4/19/2016		0.00277 (J)	0.002		
4/20/2016	<0.002				
4/21/2016				<0.002	<0.002
6/15/2016	0.0018 (J)				
6/16/2016		0.0021 (J)	0.0016 (J)	0.0008 (J)	0.00031 (J)
8/9/2016	0.002 (J)				
8/10/2016			0.0016 (J)	<0.002	<0.002
8/11/2016		0.0023 (J)			
9/27/2016	0.0021 (J)			<0.002	0.35 (o)
9/28/2016		0.0022 (J)	<0.002		
11/15/2016	0.002 (J)		<0.002	<0.002	<0.002
11/16/2016		0.0019 (J)			
1/11/2017	0.0025	0.0025			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			0.0013 (J)		
3/1/2017	0.0067	0.0065	0.0056	0.005	0.0044
4/20/2017	0.0024 (J)				
4/24/2017					<0.002
4/25/2017		0.0026	0.0019 (J)	<0.002	
7/19/2017	0.0025				
7/25/2017		0.0023 (J)	0.0013 (J)	<0.002	<0.002
1/11/2018	0.0026				<0.002
1/12/2018		0.002 (J)	0.0017 (J)	<0.002	
7/11/2018	0.0025	0.0022 (J)	0.0011 (J)	<0.002	<0.002
1/29/2019	0.0041 (J)		<0.002	<0.002	
1/30/2019		0.0049 (J)			<0.002
3/27/2019	0.0028	0.0025	0.0014	<0.002	<0.002
9/11/2019	0.0059	0.0049	0.0043	0.0034	0.0025
4/1/2020	0.0032	0.0025	0.0018 (J)	<0.002	<0.002
9/15/2020	0.0027	0.0025		<0.002	<0.002
9/16/2020			0.0015 (J)		
3/16/2021	0.0031		0.0017 (J)	<0.002	
3/17/2021		0.0027			<0.002
8/19/2021	0.0027	0.0025	0.0015 (J)	0.0018 (J)	<0.002

# Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0022	0.22 (O) <0.002
9/11/2004		<0.002	<0.002 <0.002
9/26/2004		<0.002	<0.002 <0.002
10/13/2004		<0.002	<0.002 <0.002
7/11/2005		<0.002	0.0023 <0.002
12/7/2005		<0.002	<0.002 <0.002
6/22/2006		<0.002	<0.002 <0.002
11/28/2006		<0.002	<0.002 <0.002
7/6/2007		<0.002	<0.002 0.0017
12/13/2007		<0.002	<0.002 0.0021
6/20/2008		<0.002	<0.002 0.0021
12/7/2008		<0.002	<0.002 0.0018
7/9/2009		<0.002	<0.002 0.0024
12/29/2009			0.004 0.0021
12/30/2009		0.0078	
6/22/2010		<0.002	<0.002 <0.002
1/4/2011		0.0037	0.0027
1/5/2011			0.0034
7/9/2011			<0.002 0.0018
7/10/2011		<0.002	
1/21/2012		<0.002	<0.002 <0.002
7/11/2012		0.0096	0.0038 0.0038
1/19/2013			0.002 0.0065 (o)
1/20/2013		0.0052	
7/18/2013			0.0023 0.0029
7/19/2013		0.002	
1/15/2014			0.0012 (J) <0.002
1/16/2014		0.0061	
7/10/2014		<0.002	0.0012 (J) <0.002
1/15/2015			<0.002
1/16/2015		0.002	<0.002
6/19/2015			0.0037
6/20/2015		0.0011 (J)	<0.002
1/14/2016		0.0011 (J)	<0.002
4/19/2016			<0.002
4/20/2016		<0.002	<0.002
6/14/2016		0.0013 (J)	0.0011 (J)
6/15/2016			0.00021
6/16/2016	0.00023 (J)		
8/9/2016			<0.002
8/10/2016	<0.002		<0.002
8/11/2016		<0.002	
9/27/2016		<0.002	<0.002 <0.002
9/28/2016	<0.002		
11/14/2016		<0.002	
11/15/2016			<0.002 <0.002
11/16/2016	<0.002		
1/10/2017		<0.002	
1/11/2017			<0.002
1/13/2017			0.0012 (J)
1/17/2017	<0.002		
1/19/2017		0.002 (J)	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		<0.002	
2/28/2017		0.0048	0.0054
3/1/2017			0.0043
3/2/2017	0.0017 (J)		
4/20/2017		<0.002	0.0013 (J)
4/24/2017			<0.002
4/25/2017	<0.002		
7/13/2017	<0.002		
7/18/2017		<0.002	<0.002
7/24/2017			<0.002
7/25/2017	<0.002		
1/10/2018		<0.002	<0.002
1/12/2018	<0.002		<0.002
7/11/2018		<0.002	<0.002
7/12/2018	<0.002		<0.002
1/29/2019		<0.002	<0.002
1/30/2019	<0.002		<0.002
3/26/2019		<0.002	<0.002
3/27/2019	<0.002		<0.002
9/10/2019		0.0031	0.0041
9/11/2019	0.004		0.0025
3/31/2020		<0.002	<0.002
4/1/2020	0.0022		<0.002
9/15/2020	0.0023		<0.002
9/16/2020		<0.002	<0.002
3/17/2021	0.0027	<0.002	<0.002
8/19/2021	0.0023	<0.002	<0.002

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					0.0066 (o)
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				0.0017	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				0.0011 (J)	<0.0025
7/11/2014				0.0012 (J)	<0.0025
1/15/2015					<0.0025
1/16/2015				0.00083 (J)	
6/19/2015					<0.0025
6/20/2015				0.0013	
12/7/2015	0.0012 (J)	0.001 (J)	0.0012 (J)		
12/14/2015			0.001 (J)		
12/15/2015	0.00099 (J)	0.00078 (J)			
12/28/2015			0.0012 (J)		
12/29/2015	0.0012 (J)	0.00094 (J)			
1/13/2016	0.0012 (J)	0.001 (J)	0.001 (J)		
1/16/2016				0.0012 (J)	<0.0025
1/25/2016	0.00095 (J)	0.00085 (J)	0.00089 (J)		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	0.00072 (J)	0.00048 (J)		0.001 (J)	0.00044 (J)
6/15/2016			0.00063 (J)		
8/9/2016	0.00041 (J)	0.00045 (J)	0.00055 (J)	0.0012 (J)	0.00042 (J)
9/26/2016				0.0012 (J)	
9/27/2016	0.00058 (J)	0.00046 (J)	0.00059 (J)		0.00042 (J)
11/14/2016					<0.0025
11/15/2016	0.00048 (J)	<0.0025	0.0005 (J)	0.0013 (J)	
1/10/2017				0.0011 (J)	<0.0025
1/11/2017		<0.0025	0.00044 (J)		
1/12/2017	0.0014 (J)				
2/28/2017	0.00075 (J)	0.00051 (J)		0.0014 (J)	0.00048 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			0.00066 (J)		
4/19/2017				0.0012 (J)	<0.0025
4/20/2017	0.0005 (J)	<0.0025	0.00045 (J)		
7/17/2017				0.0013 (J)	
7/18/2017	0.00051 (J)				<0.0025
7/19/2017		<0.0025	0.00047 (J)		
1/10/2018	0.00049 (J)			0.0013 (J)	<0.0025
1/11/2018		<0.0025	0.00043 (J)		
7/11/2018	<0.0025	<0.0025	0.00043 (J)	0.0013 (J)	<0.0025
1/29/2019	0.00043 (J)	0.00029 (J)	0.00044 (J)	0.001 (J)	0.00035 (J)
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				0.0011	<0.0025
9/10/2019	0.00064	0.00042 (J)	0.0005		
9/11/2019				0.0015	0.00039 (J)
3/31/2020	0.00034 (J)				
4/1/2020		0.00033 (J)	0.00036 (J)	0.0013 (J)	0.00024 (J)
9/15/2020	<0.0025	<0.0025	<0.0025	0.00099 (J)	<0.0025
3/16/2021	0.0005 (J)	0.00035 (J)	0.00047 (J)	0.0013 (J)	0.00033 (J)
8/17/2021		0.00048 (J)	0.00043 (J)	0.0015 (J)	0.00039 (J)
8/18/2021	0.00058 (J)				

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	0.0071		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		0.0037	0.0039	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	0.0062		
7/11/2012	0.0013	<0.0025	0.007	0.012	
1/19/2013			<0.0025	<0.0025	
1/20/2013	0.0013	<0.0025			
7/18/2013				<0.0025	
7/19/2013	0.0015	<0.0025	<0.0025		
1/15/2014	0.0017		0.0028	0.005	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	0.0018		<0.0025	0.00079 (J)	
1/15/2015				0.00069 (J)	
1/16/2015	0.0019	<0.0025	0.0048		
6/19/2015				0.0007 (J)	
6/20/2015	0.002	0.0006 (J)	<0.0025		
12/7/2015					0.0011 (J)
12/15/2015					0.0011 (J)
12/28/2015					0.0016
1/13/2016					0.0016
1/14/2016			<0.0025		
1/16/2016	0.0015	<0.0025		0.00061 (J)	
1/25/2016					0.0014
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	0.0015 (J)		0.00011 (J)	0.00051 (J)	0.00047 (J)
6/16/2016		1E-05 (J)			
8/9/2016					<0.0025
8/10/2016	0.0016 (J)	<0.0025	<0.0025	0.00052 (J)	
9/27/2016	0.0016 (J)	<0.0025	<0.0025	0.00077 (J)	0.00045 (J)
11/15/2016	0.0015 (J)	<0.0025	<0.0025	0.00055 (J)	0.00048 (J)
1/11/2017					0.00046 (J)



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.0016 (J)	<0.0025	<0.0025	0.0005 (J)	
1/23/2017	<0.0025				
2/28/2017					0.00061 (J)
3/1/2017	0.0021 (J)	<0.0025	<0.0025	0.00079 (J)	
4/20/2017	0.0018 (J)			0.00056 (J)	0.00042 (J)
4/24/2017		<0.0025	<0.0025		
7/19/2017	0.0015 (J)				0.00041 (J)
7/20/2017				0.00051 (J)	
7/24/2017		<0.0025	<0.0025		
1/11/2018	0.0019 (J)	<0.0025	<0.0025	0.0006 (J)	0.00044 (J)
7/11/2018					0.0004 (J)
7/12/2018	0.0018 (J)	<0.0025	<0.0025	0.00056 (J)	
1/29/2019					0.00037 (J)
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	0.0017	<0.0025	<0.0025	0.00051	
9/11/2019	0.002	0.0001 (J)	<0.0025	0.00067	0.00044 (J)
4/1/2020	0.0016 (J)	<0.0025		0.00051 (J)	0.00036 (J)
4/2/2020			<0.0025		
9/15/2020	0.0014 (J)	<0.0025	<0.0025		<0.0025
9/16/2020				0.00023 (J)	
3/16/2021	0.0017 (J)	<0.0025		0.00058 (J)	
3/17/2021			0.00016 (J)		0.0004 (J)
8/18/2021	0.0018 (J)	<0.0025	<0.0025	0.00065 (J)	
8/19/2021					0.0004 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0018	<0.0025	0.00084 (J)		
12/9/2015				0.0055	0.0013
12/14/2015	0.0016	<0.0025		0.0073	0.0014
12/15/2015			0.00063 (J)		
12/28/2015	0.0015	<0.0025	0.00071 (J)		
12/29/2015				0.0076	0.0018
1/13/2016	0.0013				
1/14/2016		<0.0025	<0.0025	0.0056	0.0018
1/25/2016				0.0061	0.0019
1/26/2016	0.0012 (J)	<0.0025	<0.0025		
4/19/2016		<0.0025	<0.0025		
4/20/2016	<0.0025				
4/21/2016				0.00468 (J)	<0.0025
6/15/2016	0.00073 (J)				
6/16/2016		0.00017 (J)	6.7E-05 (J)	0.0032 (J)	0.0021 (J)
8/9/2016	0.00069 (J)				
8/10/2016			<0.0025	0.0025	0.0015 (J)
8/11/2016		<0.0025			
9/27/2016	0.00081 (J)			0.0023 (J)	0.015 (o)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00071 (J)		<0.0025	0.0019 (J)	0.0017 (J)
11/16/2016		<0.0025			
1/11/2017	0.00062 (J)	<0.0025			
1/12/2017					0.0014 (J)
1/13/2017				0.0017 (J)	
1/16/2017			<0.0025		
3/1/2017	0.00081 (J)	<0.0025	<0.0025	0.0021 (J)	0.0019 (J)
4/20/2017	0.00053 (J)				
4/24/2017					0.0015 (J)
4/25/2017		<0.0025	<0.0025	0.0016 (J)	
7/19/2017	0.00051 (J)				
7/25/2017		<0.0025	<0.0025	0.0016 (J)	0.0014 (J)
1/11/2018	0.00046 (J)				0.0013 (J)
1/12/2018		<0.0025	<0.0025	0.0014 (J)	
7/11/2018	<0.0025	<0.0025	<0.0025	0.0013 (J)	0.0012 (J)
1/29/2019	0.00038 (J)		<0.0025	0.00084 (J)	
1/30/2019		<0.0025			<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	0.0012	0.001
9/11/2019	0.00034 (J)	8.2E-05 (J)	9.9E-05 (J)	0.0014	0.0012
4/1/2020	0.00023 (J)	<0.0025	<0.0025	0.00094 (J)	0.00088 (J)
9/15/2020	<0.0025	<0.0025		0.00097 (J)	0.00088 (J)
9/16/2020			<0.0025		
3/16/2021	0.00027 (J)		<0.0025	0.0009 (J)	
3/17/2021		<0.0025			0.00092 (J)
8/19/2021	0.00023 (J)	<0.0025	<0.0025	0.00088 (J)	0.00077 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025
7/11/2005		<0.0025	<0.0025
12/7/2005		<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025
12/29/2009		0.011	<0.0025
12/30/2009		0.013	
6/22/2010		<0.0025	<0.0025
1/4/2011		<0.0025	
1/5/2011			<0.0025
7/9/2011		<0.0025	<0.0025
7/10/2011		<0.0025	
1/21/2012		0.0061	<0.0025
7/11/2012		0.01	0.0072
1/19/2013			<0.0025
1/20/2013		0.0033	0.0055
7/18/2013			<0.0025
7/19/2013		<0.0025	
1/15/2014			0.00075 (J)
1/16/2014		0.0027	0.00052 (J)
7/10/2014		<0.0025	0.0007 (J)
1/15/2015			0.0007 (J)
1/16/2015		0.0077	<0.0025
6/19/2015			0.0011 (J)
6/20/2015		<0.0025	0.00052 (J)
1/14/2016		<0.0025	0.00064 (J)
4/19/2016			<0.0025
4/20/2016		<0.0025	
6/14/2016		0.0004 (J)	0.0006 (J)
6/15/2016			0.00052 (J)
6/16/2016	0.0019 (J)		
8/9/2016			0.00062 (J)
8/10/2016	0.0051		0.0006 (J)
8/11/2016		0.0046	
9/27/2016		0.001 (J)	0.00059 (J)
9/28/2016	0.0058		0.00063 (J)
11/14/2016		<0.0025	
11/15/2016			0.00064 (J)
11/16/2016	0.0063		0.00053 (J)
1/10/2017		0.00044 (J)	
1/11/2017			0.00064 (J)
1/13/2017			0.00052 (J)
1/17/2017	0.0057		
1/19/2017			0.00046 (J)

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.009
2/28/2017		0.001 (J)	0.00078 (J)
3/1/2017			0.00084 (J)
3/2/2017	0.0095		
4/20/2017		0.00059 (J)	0.00065 (J)
4/24/2017			0.00055 (J)
4/25/2017	0.0078		
7/13/2017	0.0061		
7/18/2017		0.00079 (J)	0.00069 (J)
7/24/2017			0.00058 (J)
7/25/2017	0.0074		
1/10/2018		0.0018 (J)	0.00068 (J)
1/12/2018	0.0072		0.00054 (J)
7/11/2018		0.0044	0.00071 (J)
7/12/2018	0.0077		0.00072 (J)
1/29/2019		0.0033	0.00064 (J)
1/30/2019	0.0061		<0.0025
3/26/2019		0.0037	0.00064
3/27/2019	0.006		0.00051
9/10/2019		0.0031	0.00074
9/11/2019	0.0059		0.00083
3/31/2020		0.0038	0.00067 (J)
4/1/2020	0.0037		0.00042 (J)
9/15/2020	0.0032		0.0005 (J)
9/16/2020		0.0014 (J)	0.00037 (J)
3/17/2021	0.0035	0.0014 (J)	0.00083 (J) 0.00092 (J)
8/19/2021	0.0025	0.0013 (J)	0.00079 (J) 0.00063 (J)

# Time Series

Constituent: Copper (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				0.003	<0.002
9/26/2004				<0.002	0.0029
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				<0.002	0.0026
11/28/2006				<0.002	<0.002
7/6/2007				<0.002	0.0034
12/13/2007				<0.002	<0.002
6/20/2008				<0.002	<0.002
12/7/2008				<0.002	<0.002
7/9/2009				<0.002	<0.002
12/28/2009				<0.002	<0.002
6/22/2010				<0.002	<0.002
1/4/2011				<0.002	
1/5/2011					0.014 (o)
7/9/2011				<0.002	<0.002
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				<0.002	<0.002
1/19/2013					<0.002
1/20/2013				<0.002	
7/18/2013					<0.002
7/19/2013				<0.002	
1/15/2014				<0.002	<0.002
7/11/2014				<0.002	<0.002
1/15/2015					<0.002
1/16/2015				<0.002	
6/19/2015					<0.002
6/20/2015				<0.002	
12/7/2015	<0.002	<0.002	0.001 (J)		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002		
1/16/2016				<0.002	<0.002
1/25/2016	<0.002	0.0014 (J)	0.00081 (J)		
6/14/2016	<0.002	<0.002		<0.002	<0.002
6/15/2016			<0.002		
1/10/2017				<0.002	<0.002
1/11/2017		<0.002	<0.002		
1/12/2017	<0.002				
7/17/2017				<0.002	
7/18/2017	<0.002				<0.002
7/19/2017		<0.002	<0.002		
1/10/2018	<0.002			<0.002	<0.002
1/11/2018		<0.002	<0.002		
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002		

# Time Series

Constituent: Copper (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.002	<0.002
9/10/2019	0.00066 (J)	0.00076 (J)	<0.002		
9/11/2019				<0.002	0.00092 (J)
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	<0.002	0.00095 (J)
3/16/2021	<0.002	<0.002	<0.002	<0.002	<0.002
8/17/2021		<0.002	<0.002	<0.002	<0.002
8/18/2021	<0.002				

# Time Series

Constituent: Copper (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	<0.002	<0.002	
9/11/2004	<0.002	<0.002	<0.002	<0.002	
9/26/2004	<0.002	<0.002	<0.002	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	<0.002	<0.002	<0.002	
12/7/2005	<0.002	<0.002	<0.002	<0.002	
6/22/2006	<0.002	<0.002	<0.002	<0.002	
11/28/2006	<0.002	<0.002	0.0027	<0.002	
7/6/2007	<0.002	<0.002	<0.002	<0.002	
12/13/2007	<0.002	<0.002	<0.002	<0.002	
6/20/2008	<0.002	<0.002	<0.002	<0.002	
12/7/2008	<0.002	<0.002	<0.002	<0.002	
7/9/2009	<0.002				
7/10/2009		<0.002	<0.002	<0.002	
12/28/2009	<0.002			<0.002	
12/29/2009		<0.002	<0.002		
6/22/2010	<0.002	<0.002	<0.002	<0.002	
1/4/2011	<0.002	<0.002		<0.002	
1/5/2011			<0.002		
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	<0.002		
7/11/2012	<0.002	<0.002	<0.002	<0.002	
1/19/2013			<0.002	<0.002	
1/20/2013	<0.002	<0.002			
7/18/2013				<0.002	
7/19/2013	<0.002	<0.002	<0.002		
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			
7/10/2014		<0.002			
7/11/2014	<0.002		0.0014 (J)	<0.002	
1/15/2015				<0.002	
1/16/2015	<0.002	<0.002	<0.002		
6/19/2015				<0.002	
6/20/2015	<0.002	<0.002	<0.002		
12/7/2015					0.00084 (J)
12/15/2015					<0.002
12/28/2015					<0.002
1/13/2016					<0.002
1/14/2016			<0.002		
1/16/2016	<0.002	<0.002		<0.002	
1/25/2016					<0.002
6/15/2016	<0.002		<0.002	<0.002	<0.002
6/16/2016		<0.002			
1/11/2017					<0.002
1/12/2017	<0.002	<0.002	<0.002	<0.002	
7/19/2017	<0.002				<0.002
7/20/2017				<0.002	
7/24/2017		<0.002	<0.002		
1/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2018					<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.002	<0.002	<0.002	<0.002	
1/29/2019					<0.002
1/30/2019	<0.002	<0.002	<0.002	<0.002	
3/26/2019					<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	
9/11/2019	0.001 (J)	<0.002	<0.002	0.00069 (J)	<0.002
4/1/2020	<0.002	<0.002		<0.002	<0.002
4/2/2020			0.0013 (J)		
9/15/2020	<0.002	<0.002	<0.002		<0.002
9/16/2020				<0.002	
3/16/2021	<0.002	<0.002		<0.002	
3/17/2021			0.0019 (J)		<0.002
8/18/2021	<0.002	<0.002	<0.002	0.00096 (J)	
8/19/2021					<0.002



# Time Series

Constituent: Copper (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0021 (J)	<0.002	<0.002		
12/9/2015				<0.002	<0.002
12/14/2015	0.0018 (J)	0.00096 (J)		<0.002	<0.002
12/15/2015			<0.002		
12/28/2015	<0.002	<0.002	<0.002		
12/29/2015				<0.002	0.00082 (J)
1/13/2016	<0.002				
1/14/2016		<0.002	<0.002	<0.002	0.0064 (o)
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	<0.002	<0.002		
6/15/2016	<0.002				
6/16/2016		0.00068 (J)	0.00024 (J)	0.00032 (J)	0.00042 (J)
1/11/2017	<0.002	<0.002			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			<0.002		
7/19/2017	<0.002				
7/25/2017		<0.002	<0.002	<0.002	<0.002
1/11/2018	<0.002				<0.002
1/12/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002		<0.002	<0.002	
1/30/2019		0.0021 (J)			<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	0.0012 (J)	0.0011 (J)	0.00085 (J)	0.0012 (J)	0.00066 (J)
4/1/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002		<0.002	<0.002
9/16/2020			<0.002		
3/16/2021	<0.002		<0.002	<0.002	
3/17/2021		0.001 (J)			<0.002
8/19/2021	<0.002	0.00089 (J)	<0.002	<0.002	<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0023	<0.002
9/11/2004		<0.002	<0.002
9/26/2004		<0.002	0.0021
10/13/2004		<0.002	<0.002
7/11/2005		<0.002	<0.002
12/7/2005		<0.002	<0.002
6/22/2006		<0.002	<0.002
11/28/2006		<0.002	<0.002
7/6/2007		<0.002	<0.002
12/13/2007		<0.002	<0.002
6/20/2008		<0.002	<0.002
12/7/2008		<0.002	<0.002
7/9/2009		<0.002	<0.002
12/29/2009		<0.002	<0.002
12/30/2009		<0.002	
6/22/2010		<0.002	<0.002
1/4/2011		<0.002	
1/5/2011			<0.002
7/9/2011		<0.002	<0.002
7/10/2011		<0.002	
1/21/2012		<0.002	<0.002
7/11/2012		<0.002	<0.002
1/19/2013		<0.002	<0.002
1/20/2013		<0.002	
7/18/2013		<0.002	<0.002
7/19/2013		<0.002	
1/15/2014		<0.002	<0.002
1/16/2014		<0.002	
7/10/2014		<0.002	<0.002
1/15/2015		<0.002	
1/16/2015		<0.002	<0.002
6/19/2015		<0.002	
6/20/2015		<0.002	<0.002
1/14/2016		<0.002	0.00084 (J)
6/14/2016		<0.002	0.0021 (J)
6/15/2016			<0.002
6/16/2016	0.0011 (J)		
1/10/2017		<0.002	
1/11/2017		<0.002	
1/13/2017			<0.002
1/17/2017	<0.002		
7/18/2017		<0.002	
7/24/2017			<0.002
7/25/2017	<0.002		
1/10/2018		<0.002	<0.002
1/12/2018	<0.002		<0.002
7/11/2018		<0.002	<0.002
7/12/2018	<0.002		<0.002
1/29/2019		<0.002	<0.002
1/30/2019	<0.002		0.002 (J)
3/26/2019		0.0021	<0.002
3/27/2019	<0.002		<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.0016 (J)	<0.002
9/11/2019	0.00092 (J)		0.00092 (J)
3/31/2020		0.0051	<0.002
4/1/2020	<0.002		<0.002
9/15/2020	<0.002		<0.002
9/16/2020		0.00079 (J)	<0.002
3/17/2021	<0.002	0.0012 (J)	<0.002
8/19/2021	0.0013 (J)	0.00087 (J)	<0.002

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				0.03 (J)	0.022 (J)
4/20/2016	0.018 (J)	0.021 (J)	0.022 (J)		
6/14/2016	<0.1	<0.1		0.02 (J)	<0.1
6/15/2016			<0.1		
8/9/2016	<0.1	<0.1	<0.1	<0.1	<0.1
9/26/2016				<0.1	
9/27/2016	<0.1	<0.1	<0.1		<0.1
11/14/2016					<0.1
11/15/2016	<0.1	<0.1	<0.1	<0.1	
1/10/2017				<0.1	<0.1
1/11/2017		<0.1	<0.1		
1/12/2017	<0.1				
2/28/2017	<0.1	<0.1		<0.1	<0.1
3/1/2017			<0.1		
4/19/2017				<0.1	<0.1
4/20/2017	<0.1	<0.1	<0.1		
10/10/2017				<0.1	
10/11/2017	<0.1	<0.1	<0.1		<0.1
1/10/2018	<0.1			<0.1	<0.1
1/11/2018		<0.1	<0.1		
7/11/2018	<0.1	<0.1	<0.1	<0.1	<0.1
1/29/2019	<0.1	<0.1	<0.1	<0.1	<0.1
3/26/2019	<0.1	<0.1	<0.1		
3/27/2019				<0.1	<0.1
9/10/2019	0.034 (J)	0.032 (J)	0.035 (J)		
9/11/2019				0.037 (J)	0.033 (J)
3/31/2020	0.046 (J)				
4/1/2020		0.048 (J)	<0.1	<0.1	<0.1
9/15/2020	<0.1	<0.1	<0.1	0.029 (J)	<0.1
3/16/2021	<0.1	<0.1	<0.1	0.033 (J)	<0.1
8/17/2021		0.045 (J)	0.072 (J)	0.073 (J)	0.043 (J)
8/18/2021	<0.1				

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	0.04 (J)		0.383	0.026 (J)	
4/21/2016		0.217 (J)			0.019 (J)
6/15/2016	<0.1		0.28 (J)	<0.1	<0.1
6/16/2016		0.13 (J)			
8/9/2016					<0.1
8/10/2016	<0.1	0.21	0.42	<0.1	
9/27/2016	<0.1	0.17 (J)	0.39	<0.1	<0.1
11/15/2016	<0.1	0.22	0.43	<0.1	<0.1
1/11/2017					<0.1
1/12/2017	<0.1	0.12 (J)	0.41	<0.1	
2/28/2017					<0.1
3/1/2017	<0.1	<0.1	<0.1	<0.1	
4/20/2017	<0.1			<0.1	<0.1
4/24/2017		0.18 (J)	0.37		
10/11/2017	<0.1		0.39		<0.1
10/12/2017		0.18 (J)		<0.1	
12/13/2017			0.48		
1/11/2018	<0.1	0.15 (J)	0.31	<0.1	<0.1
7/11/2018					<0.1
7/12/2018	<0.1	0.13 (J)	0.25	<0.1	
1/29/2019					<0.1
1/30/2019	<0.1	0.23 (J)	0.35	<0.1	
3/26/2019					<0.1
3/27/2019	0.029	0.12	0.24	<0.1	
9/11/2019	0.036 (J)	0.1	0.26	0.036 (J)	0.032 (J)
4/1/2020	<0.1	0.26		<0.1	0.05 (J)
4/2/2020			0.26		
9/15/2020	<0.1	0.11	0.21		<0.1
9/16/2020				<0.1	
3/16/2021	<0.1	0.18		<0.1	
3/17/2021			0.28		<0.1
8/18/2021	<0.1	0.081 (J)	0.35	<0.1	
8/19/2021					0.035 (J)

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		0.706	0.122 (J)		
4/20/2016	0.147 (J)				
4/21/2016				0.06 (J)	0.022 (J)
6/15/2016	0.1 (J)				
6/16/2016		0.56	0.08 (J)	<0.1	<0.1
8/9/2016	0.16 (J)				
8/10/2016			0.14 (J)	<0.1	<0.1
8/11/2016		0.74			
9/27/2016	0.14 (J)			<0.1	<0.1
9/28/2016		0.7	0.11 (J)		
11/15/2016	0.16 (J)		0.13 (J)	<0.1	<0.1
11/16/2016		0.71			
1/11/2017	0.16 (J)	0.51			
1/12/2017					<0.1
1/13/2017				0.083 (J)	
1/16/2017			0.11 (J)		
3/1/2017	<0.1	0.61	<0.1	<0.1	<0.1
4/20/2017	0.12 (J)				
4/24/2017					<0.1
4/25/2017		0.65	0.087 (J)	<0.1	
10/11/2017	0.11 (J)				
10/12/2017		0.6	0.087 (J)	<0.1	<0.1
12/13/2017		0.61			
1/11/2018	0.12 (J)				<0.1
1/12/2018		0.55	0.083 (J)	<0.1	
7/11/2018	0.13 (J)	0.59	0.091 (J)	<0.1	<0.1
1/29/2019	0.13 (J)		0.074 (J)	0.031 (J)	
1/30/2019		0.65			<0.1
3/27/2019	0.1	0.49	0.072	0.034	<0.1
9/11/2019	0.099 (J)	0.47	0.08 (J)	0.045 (J)	0.032 (J)
4/1/2020	0.15	0.59	0.11	0.082 (J)	0.04 (J)
9/15/2020	0.099 (J)	0.49		0.032 (J)	<0.1
9/16/2020			0.076 (J)		
3/16/2021	0.13		0.092 (J)	0.04 (J)	
3/17/2021		0.54			<0.1
8/19/2021	0.15	0.62	0.11	0.044 (J)	<0.1

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5*GWB-5]...	GWC-9
4/19/2016			0.02 (J)
4/20/2016		0.028 (J)	0.032 (J)
6/14/2016		<0.1	<0.1
6/15/2016			<0.1
6/16/2016	0.04 (J)		
8/9/2016		<0.1	
8/10/2016	<0.1		<0.1
8/11/2016		<0.1	
9/27/2016		<0.1	<0.1
9/28/2016	0.097 (J)		
11/14/2016		<0.1	
11/15/2016			<0.1
11/16/2016	0.092 (J)		
1/10/2017		<0.1	
1/11/2017			<0.1
1/13/2017			<0.1
1/17/2017	<0.1		
2/28/2017		<0.1	<0.1
3/1/2017			<0.1
3/2/2017	<0.1		
4/20/2017		<0.1	<0.1
4/24/2017			<0.1
4/25/2017	<0.1		
7/13/2017	<0.1		
10/10/2017		<0.1	
10/11/2017			<0.1
10/12/2017	<0.1		<0.1
1/10/2018		<0.1	<0.1
1/12/2018	<0.1		<0.1
7/11/2018		<0.1	<0.1
7/12/2018	<0.1		<0.1
1/29/2019		<0.1	<0.1
1/30/2019	<0.1		<0.1
3/26/2019		<0.1	0.028
3/27/2019	0.027		<0.1
9/10/2019		0.044 (J)	0.037 (J)
9/11/2019	0.041 (J)		0.034 (J)
3/31/2020		0.043 (J)	0.061 (J)
4/1/2020	0.05 (J)		0.051 (J)
9/15/2020	0.028 (J)		<0.1
9/16/2020		<0.1	<0.1
3/17/2021	<0.1	<0.1	0.026 (J)
8/19/2021	<0.1	<0.1	0.035 (J)

# Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.014 (o)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	<0.001



# Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.001		
4/19/2017				<0.001	<0.001
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	<0.001
9/10/2019	0.00058 (J)	0.00013 (J)	0.00013 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	0.00024 (J)	<0.001	<0.001
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2021		0.00021 (J)	<0.001	0.00081 (J)	<0.001
8/18/2021	<0.001				

# Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		<0.001	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		<0.001	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		0.0002 (J)	<0.001	<0.001
6/16/2016		<0.001			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001	<0.001	
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/11/2017					<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.001	<0.001	<0.001	<0.001	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	
4/20/2017	<0.001			<0.001	<0.001
4/24/2017		<0.001	0.00037 (J)		
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<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
4/1/2020	<0.001	<0.001		<0.001	<0.001
4/2/2020			0.00025 (J)		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	<0.001		<0.001	
3/17/2021			0.00031 (J)		<0.001
8/18/2021	<0.001	<0.001	<0.001	<0.001	
8/19/2021					<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
4/19/2016		<0.001	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	<0.001				
6/16/2016		0.00015 (J)	<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			
9/27/2016	<0.001			<0.001	0.00079 (J)
9/28/2016		<0.001	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		<0.001			
1/11/2017	<0.001	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
3/1/2017	<0.001	<0.001	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		<0.001	<0.001	<0.001	
7/19/2017	<0.001				
7/25/2017		<0.001	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.00067 (J)			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00017 (J)	<0.001	0.00024 (J)	0.00021 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			<0.001		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		0.00015 (J)			<0.001
8/19/2021	<0.001	0.00037 (J)	<0.001	<0.001	<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001 0.0056 (o)
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
7/10/2011		<0.001	
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		<0.001	<0.001
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
4/19/2016			<0.001
4/20/2016		<0.001	
6/14/2016		<0.001	0.00019 (J)
6/15/2016			<0.001
6/16/2016	<0.001		
8/9/2016		<0.001	
8/10/2016	<0.001		<0.001
8/11/2016		<0.001	
9/27/2016		<0.001	<0.001
9/28/2016	<0.001		
11/14/2016		<0.001	
11/15/2016		<0.001	<0.001
11/16/2016	<0.001		
1/10/2017		<0.001	
1/11/2017		<0.001	
1/13/2017			<0.001
1/17/2017	<0.001		
1/19/2017		0.001 (J)	

# Time Series

Constituent: Lead (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017		<0.001	<0.001
2/28/2017		<0.001	<0.001
3/1/2017			<0.001
3/2/2017	<0.001		
4/20/2017		<0.001	0.00041 (J)
4/24/2017			<0.001
4/25/2017	<0.001		
7/13/2017	<0.001		
7/18/2017		<0.001	<0.001
7/24/2017			<0.001
7/25/2017	<0.001		
1/10/2018		<0.001	<0.001
1/12/2018	<0.001		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	<0.001		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	0.00013 (J)		<0.001
3/26/2019		<0.001	<0.001
3/27/2019	<0.001		<0.001
9/10/2019		0.00051 (J)	0.00074 (J)
9/11/2019	0.00018 (J)		<0.001
3/31/2020		0.00024 (J)	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001
8/19/2021	<0.001	<0.001	<0.001

# Time Series

Constituent: Mercury (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<0.0002	<0.0002
4/20/2016	<0.0002	<0.0002	<0.0002		
6/14/2016	<0.0002	<0.0002		<0.0002	<0.0002
6/15/2016			<0.0002		
8/9/2016	0.00012 (J)	0.00012 (J)	0.0001 (J)	0.00011 (J)	0.0001 (J)
9/26/2016				<0.0002	
9/27/2016	<0.0002	<0.0002	<0.0002		<0.0002
11/14/2016					<0.0002
11/15/2016	9.7E-05 (J)	0.00011 (J)	7.2E-05 (J)	<0.0002	
1/10/2017				<0.0002	<0.0002
1/11/2017		<0.0002	<0.0002		
1/12/2017	<0.0002				
2/28/2017	0.00015 (J)	7.5E-05 (J)		0.00014 (J)	0.00016 (J)
3/1/2017			<0.0002		
4/19/2017				<0.0002	<0.0002
4/20/2017	<0.0002	<0.0002	<0.0002		
7/11/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

# Time Series

Constituent: Mercury (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<0.0002		<0.0002	<0.0002	
4/21/2016		<0.0002			<0.0002
6/15/2016	<0.0002		<0.0002	<0.0002	<0.0002
6/16/2016		<0.0002			
8/9/2016					0.00011 (J)
8/10/2016	<0.0002	0.00011 (J)	0.00012 (J)	0.00011 (J)	
9/27/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/15/2016	8.4E-05 (J)	0.0001 (J)	9.3E-05 (J)	0.00014 (J)	9.3E-05 (J)
1/11/2017					<0.0002
1/12/2017	<0.0002	<0.0002	<0.0002	<0.0002	
1/23/2017	<0.0002				
2/28/2017					0.00016 (J)
3/1/2017	<0.0002	<0.0002	<0.0002	<0.0002	
4/20/2017	<0.0002			<0.0002	<0.0002
4/24/2017		<0.0002	<0.0002		
7/11/2018					<0.0002
7/12/2018	<0.0002	<0.0002	<0.0002	<0.0002	



# Time Series

Constituent: Mercury (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		<0.0002	<0.0002		
4/20/2016	<0.0002				
4/21/2016				<0.0002	<0.0002
6/15/2016	<0.0002				
6/16/2016		<0.0002	<0.0002	<0.0002	<0.0002
8/9/2016	0.00011 (J)				
8/10/2016			0.00011 (J)	0.00011 (J)	0.00011 (J)
8/11/2016		<0.0002			
9/27/2016	<0.0002			<0.0002	<0.0002
9/28/2016		<0.0002	<0.0002		
11/15/2016	<0.0002		7.8E-05 (J)	7.3E-05 (J)	0.00018 (J)
11/16/2016		<0.0002			
1/11/2017	<0.0002	<0.0002			
1/12/2017					<0.0002
1/13/2017				<0.0002	
1/16/2017			<0.0002		
3/1/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
4/20/2017	<0.0002				
4/24/2017					<0.0002
4/25/2017		<0.0002	<0.0002	<0.0002	
7/11/2018	<0.0002	<0.0002	<0.0002	<0.0002	0.00077

# Time Series

Constituent: Mercury (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			<0.0002
4/20/2016		<0.0002	<0.0002
6/14/2016		<0.0002	<0.0002
6/15/2016			<0.0002
6/16/2016	<0.0002		
8/9/2016		0.0001 (J)	
8/10/2016	0.00013 (J)		0.00011 (J)
8/11/2016		<0.0002	
9/27/2016		<0.0002	<0.0002
9/28/2016	<0.0002		
11/14/2016		<0.0002	
11/15/2016		<0.0002	0.00013 (J)
11/16/2016	<0.0002		
1/10/2017		<0.0002	
1/11/2017		<0.0002	
1/13/2017			<0.0002
1/17/2017	<0.0002		
1/19/2017		<0.0002	
1/24/2017		<0.0002	
2/28/2017		0.00014 (J)	0.00012 (J)
3/1/2017			<0.0002
3/2/2017	<0.0002		
4/20/2017		<0.0002	<0.0002
4/24/2017			<0.0002
4/25/2017	<0.0002		
7/13/2017	<0.0002		
7/11/2018		<0.0002	<0.0002
7/12/2018	<0.0002		<0.0002

# Time Series

Constituent: Nickel (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	0.03 (O)
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				0.0043	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.025 (O)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				0.0016 (J)	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	0.00052 (J)		0.0006 (J)	<0.001
6/15/2016			<0.001		
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			0.0026	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	0.00033 (J)	0.0004 (J)	0.0004 (J)	0.00063 (J)	0.00034 (J)
3/26/2019	<0.001	<0.001	<0.001		

# Time Series

Constituent: Nickel (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.001	<0.001
9/10/2019	0.0004 (J)	0.00056 (J)	0.00036 (J)		
9/11/2019				0.00091 (J)	0.00045 (J)
3/31/2020	<0.001				
4/1/2020		0.00043 (J)	<0.001	0.00077 (J)	<0.001
9/15/2020	0.00037 (J)	0.00075 (J)	0.00045 (J)	0.00094 (J)	0.00038 (J)
3/16/2021	<0.001	0.00045 (J)	0.00043 (J)	0.00072 (J)	<0.001
8/17/2021		0.00061 (J)	0.00052 (J)	0.00097 (J)	0.00047 (J)
8/18/2021	<0.001				

# Time Series

Constituent: Nickel (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	0.0049	0.0057	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	0.0013 (J)		<0.001	0.0043	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	0.0013 (J)		0.0029	0.0026	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	0.0014 (J)		
6/19/2015				<0.001	
6/20/2015	0.0016 (J)	0.0013 (J)	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
6/15/2016	0.00088 (J)		0.00085 (J)	0.00068 (J)	<0.001
6/16/2016		<0.001			
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

# Time Series

Constituent: Nickel (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					0.00046 (J)
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	0.0013	<0.001	0.00042 (J)	0.001	0.00042 (J)
4/1/2020	0.00099 (J)	<0.001		0.0008 (J)	<0.001
4/2/2020			0.0009 (J)		
9/15/2020	0.0012	0.0013	0.00063 (J)		0.00047 (J)
9/16/2020				0.00088 (J)	
3/16/2021	0.0012	0.00043 (J)		0.00093 (J)	
3/17/2021			0.00077 (J)		0.00047 (J)
8/18/2021	0.0014	<0.001	0.00034 (J)	0.00097 (J)	
8/19/2021					<0.001

# Time Series

Constituent: Nickel (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0036	<0.001	0.0022 (J)		
12/9/2015				0.0042	<0.001
12/14/2015	0.0035	0.0019 (J)		0.0067	<0.001
12/15/2015			0.0019 (J)		
12/28/2015	0.0032	0.0018 (J)	0.0017 (J)		
12/29/2015				0.0067	<0.001
1/13/2016	0.0029				
1/14/2016		0.0017 (J)	0.0029	0.0039	<0.001
1/25/2016				0.0049	<0.001
1/26/2016	0.0027	0.0019 (J)	0.0014 (J)		
6/15/2016	0.0018 (J)				
6/16/2016		0.0014 (J)	0.0013 (J)	0.003 (J)	0.0012 (J)
1/11/2017	0.002 (J)	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			0.0018 (J)		
7/19/2017	0.002 (J)				
7/25/2017		<0.001	0.002 (J)	<0.001	<0.001
1/11/2018	0.0019 (J)				<0.001
1/12/2018		<0.001	0.002 (J)	<0.001	
7/11/2018	<0.001	<0.001	0.0018 (J)	<0.001	<0.001
1/29/2019	0.0016 (J)		0.0017 (J)	0.00093 (J)	
1/30/2019		<0.001			<0.001
3/27/2019	0.0018	<0.001	<0.001	<0.001	<0.001
9/11/2019	0.0018	0.0012	0.0018	0.0014	0.00097 (J)
4/1/2020	0.0016	0.00095	0.0014	0.001	0.00067 (J)
9/15/2020	0.0016	0.00092 (J)		0.0011	0.0007 (J)
9/16/2020			0.0012		
3/16/2021	0.0015		0.0012	0.00093 (J)	
3/17/2021		0.0011			0.00068 (J)
8/19/2021	0.0017	0.0011	0.0012	0.00092 (J)	0.00067 (J)

# Time Series

Constituent: Nickel (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	0.003
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		0.0048	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
7/10/2011		<0.001	
1/21/2012		0.0026	<0.001
7/11/2012		0.0072	0.0031
1/19/2013			<0.001
1/20/2013		0.0025	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		0.0031	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		0.0024 (J)	<0.001
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
6/14/2016		0.0013 (J)	0.00054 (J)
6/15/2016			<0.001
6/16/2016	0.0009 (J)		
1/10/2017		<0.001	
1/11/2017		<0.001	
1/13/2017			<0.001
1/17/2017	<0.001		
7/18/2017		<0.001	<0.001
7/24/2017			<0.001
7/25/2017	0.002 (J)		
1/10/2018		<0.001	<0.001
1/12/2018	0.0023 (J)		<0.001
7/11/2018		0.003	<0.001
7/12/2018	0.0026		<0.001
1/29/2019		0.0021 (J)	<0.001
1/30/2019	<0.001		<0.001
3/26/2019		0.0021	<0.001
3/27/2019	0.0018		<0.001



# Time Series

Constituent: Nickel (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.002	0.00043 (J)
9/11/2019	0.0023		0.00065 (J)
3/31/2020		0.0028	<0.001
4/1/2020	0.0013		<0.001
9/15/2020	0.0013		0.00056 (J)
9/16/2020		0.00096 (J)	0.00075 (J)
3/17/2021	0.0014	0.00083 (J)	0.00041 (J) 0.0006 (J)
8/19/2021	0.0013	0.00065 (J)	0.00043 (J) 0.00038 (J)

# Time Series

Constituent: pH (S.U.) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
6/19/2015					5.23
6/20/2015				4.69	
12/14/2015			5.26		
12/15/2015	5.13	5.24			
4/19/2016				4.99	4.92
4/20/2016	5.16	5.41	5.16		
6/14/2016				4.98	4.89
6/15/2016	5.35	5.74	5.04		
8/9/2016	4.89	5.41	5.07	4.72	4.92
9/26/2016				4.74	
9/27/2016	5.02	5.42	5.11		5.25
11/14/2016					4.96
11/15/2016	5.04	5.33	5.11	4.8	
1/10/2017				4.59	4.21
1/11/2017		5.32	5.07		
1/12/2017	5.19				
2/28/2017	4.86	5.32		4.91	4.95
3/1/2017			5.14		
4/19/2017				4.98	5.12
4/20/2017	5.01	5.31	5.05		
7/17/2017				4.61	
7/18/2017	4.88				4.89
7/19/2017		5.19	4.95		
10/17/2017	4.93	5.27	5.17	4.93	4.96
1/10/2018	4.9			4.78	4.93
1/11/2018		5.19	4.97		
7/11/2018	4.99 (D)	5.25 (D)	5.07	4.75 (D)	4.87 (D)
1/29/2019	4.82	5.25	4.83	4.91	4.98
3/26/2019	5.07	5.29	4.95		
3/27/2019				4.69	4.8
9/10/2019	5	5.18	5.12		
9/11/2019				4.77	5.03
3/31/2020	5.1				
4/1/2020		5.26	4.95	4.77	4.92
9/15/2020	5.07	5.83	5.02	4.52	4.72
3/16/2021	4.47	4.76	4.68	4.76	4.91
8/17/2021		5.12	4.95	4.62	4.82
8/18/2021	4.93				

# Time Series

Constituent: pH (S.U.) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
6/19/2015				5.05	
6/20/2015	4.87	6.28	6.13		
12/15/2015					5.2
4/20/2016	5.43		6.28	5.17	
4/21/2016		6.21			5.18
6/15/2016	5.28		6.55	5.12	5.47
6/16/2016		6.27			
8/9/2016					5.01
8/10/2016	5.15	6.12	6.22	5.12	
9/27/2016	5.19	6.29	6.33	5.19	5.22
11/15/2016	5.2	6.12	6.28	5.14	5.07
1/11/2017					5
1/12/2017	5.27	6.23	6.26	5.13	
2/28/2017					5.1
3/1/2017	5.31	6.15	6.41	5.05	
4/20/2017	5.29			5.15	5.12
4/24/2017		6.8	6.26		
7/19/2017	5.03				4.84
7/20/2017				5.04	
7/24/2017		6.19	6.27		
10/17/2017	5.25	6.11	6.35	5.03	4.95
1/11/2018	5.02	6.32	6.15	5.13	5.01
7/11/2018					5.01
7/12/2018	5.04 (D)	6.7 (D)	6.63 (D)	5.09 (D)	
1/29/2019					5.18
1/30/2019	5.21	6.2	6.09	5.01	
3/26/2019					5.04
3/27/2019	5.15	6.54	6.32	4.93	
9/11/2019	4.8	6.63	6.37	5.04	5.28
4/1/2020	5	6.52		5.05	5.35
4/2/2020			6.38		
9/15/2020	4.76	6.66	6.62		4.92
9/16/2020				4.91	
3/16/2021	4.89	6.48		4.97	
3/17/2021			6.58		5.41
8/18/2021	4.89	6.32	6.54	5.01	
8/19/2021					4.92

# Time Series

Constituent: pH (S.U.) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/14/2015	5.19	7.1		5.24	5.84
12/15/2015			5.98		
4/19/2016		6.87	5.98		
4/20/2016	5.26				
4/21/2016				4.88	5.43
6/15/2016	5.12				
6/16/2016		6.84	5.85	4.85	5.23
8/9/2016	5.09				
8/10/2016			5.79	4.84	5.11
8/11/2016		6.42			
9/27/2016	5.32			5.32	5.06
9/28/2016		6.57	5.9		
11/15/2016	5.25		5.66	4.97	5.01
11/16/2016		6.51			
1/11/2017	5.23	6.43			
1/12/2017					4.99
1/13/2017				4.97	
1/16/2017			5.65		
3/1/2017	5.25	6.48	5.62		5
4/20/2017	5.36				
4/24/2017					5.8
4/25/2017		6.58	5.59	4.91	
7/19/2017	5.12				
7/25/2017		6.37	5.55	4.89	4.92
10/17/2017	5.23	6.53	5.68	4.97	4.89
1/11/2018	5.28				4.98
1/12/2018		6.47		4.97	
7/11/2018	5.23 (D)	6.18 (D)	5.6 (D)	4.89 (D)	4.96 (D)
1/29/2019	5.35		5.58	4.94	
1/30/2019		5.93			4.65
3/27/2019	5.25	6.11	5.59	4.94	4.96
9/11/2019	5.16	6.3	5.58	4.96	4.99
4/1/2020	5.3	6.15	5.67	5.03	5.04
9/15/2020	5.29	6.13		4.96	4.86
9/16/2020			5.43		
3/16/2021	4.83		5.45	4.78	
3/17/2021		5.99			4.8
8/19/2021	5.29	6.17	5.69	4.91	4.81

# Time Series

Constituent: pH (S.U.) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
6/19/2015		5.95	
6/20/2015		4.92	4.7
4/19/2016			4.98
4/20/2016		4.9	5.85
6/14/2016		4.9	5.53
6/15/2016			5.2
8/9/2016		5.44	
8/10/2016	6.34		4.78
8/11/2016		5.37	
9/27/2016		5.89	5.59
9/28/2016	6.29		4.91
11/14/2016		5.94	
11/15/2016			5.58
11/16/2016	6.18		4.81
1/10/2017		5.44	
1/11/2017			5.56
1/13/2017			5.28
1/17/2017	5.68		
2/28/2017		5.49	5.53
3/1/2017			4.81
3/2/2017	5.75		
4/20/2017		5.51	5.63
4/24/2017			4.99
4/25/2017	5.65		
7/13/2017	5.65		
7/18/2017		5.26	5.51
7/24/2017			4.82
7/25/2017	5.24		
10/17/2017	5.37	5.28	5.62
1/10/2018		5.05	5.59
1/12/2018	5.35		4.83
7/11/2018		4.53	5.49
7/12/2018	5.21 (D)		4.8 (D)
1/29/2019		4.66	5.39
1/30/2019	5.14		4.88
3/26/2019		4.72	5.45
3/27/2019	5.3		4.75
9/10/2019		4.72	5.71
9/11/2019	5.24		4.8
3/31/2020		5.06	5.45
4/1/2020	5.23		4.93
9/15/2020	5.18		5.27
9/16/2020		4.87	4.74
3/17/2021	4.97	4.9	4.8
8/19/2021	5.16	4.86	5.23

# Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.005	<0.005
9/11/2004				<0.005	<0.005
9/26/2004				<0.005	<0.005
10/13/2004				<0.005	<0.005
7/11/2005				<0.005	<0.005
12/7/2005				<0.005	<0.005
6/22/2006				<0.005	<0.005
11/28/2006				<0.005	<0.005
7/6/2007				<0.005	<0.005
12/13/2007				<0.005	<0.005
6/20/2008				<0.005	<0.005
12/7/2008				<0.005	<0.005
7/9/2009				<0.005	<0.005
12/28/2009				<0.005	<0.005
6/22/2010				<0.005	<0.005
1/4/2011				<0.005	
1/5/2011					<0.005
7/9/2011				<0.005	<0.005
1/20/2012					<0.005
1/21/2012				<0.005	
7/11/2012				<0.005	<0.005
1/19/2013					<0.005
1/20/2013				<0.005	
7/18/2013					<0.005
7/19/2013				<0.005	
1/15/2014				<0.005	<0.005
7/11/2014				<0.005	<0.005
1/15/2015					<0.005
1/16/2015				<0.005	
6/19/2015					<0.005
6/20/2015				<0.005	
12/7/2015	<0.005	<0.005	<0.005		
12/14/2015			<0.005		
12/15/2015	<0.005	<0.005			
12/28/2015			<0.005		
12/29/2015	<0.005	<0.005			
1/13/2016	<0.005	<0.005	<0.005		
1/16/2016				<0.005	<0.005
1/25/2016	<0.005	<0.005	<0.005		
4/19/2016				<0.005	<0.005
4/20/2016	<0.005	<0.005	<0.005		
6/14/2016	<0.005	<0.005		<0.005	<0.005
6/15/2016			<0.005		
8/9/2016	<0.005	<0.005	<0.005	<0.005	<0.005
9/26/2016				<0.005	
9/27/2016	<0.005	<0.005	<0.005		0.00045 (J)
11/14/2016					<0.005
11/15/2016	<0.005	<0.005	<0.005	<0.005	
1/10/2017				<0.005	<0.005
1/11/2017		<0.005	<0.005		
1/12/2017	<0.005				
2/28/2017	<0.005	<0.005		<0.005	0.0027

# Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.005		
4/19/2017				0.00065 (J)	0.002
4/20/2017	<0.005	<0.005	<0.005		
7/17/2017				0.00047 (J)	
7/18/2017	<0.005				0.0017
7/19/2017		<0.005	0.00025 (J)		
1/10/2018	0.00025 (J)			0.00052 (J)	0.00079 (J)
1/11/2018		<0.005	<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005		
3/27/2019				<0.005	<0.005
9/10/2019	<0.005	<0.005	<0.005		
9/11/2019				<0.005	<0.005
3/31/2020	<0.005				
4/1/2020		<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/16/2021	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2021		<0.005	<0.005	<0.005	<0.005
8/18/2021	<0.005				

# Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.005	<0.005	<0.005	<0.005	
9/11/2004	<0.005	<0.005	<0.005	<0.005	
9/26/2004	<0.005	<0.005	<0.005	<0.005	
10/13/2004		<0.005	<0.005	<0.005	
7/11/2005	<0.005	<0.005	<0.005	<0.005	
12/7/2005	<0.005	<0.005	<0.005	<0.005	
6/22/2006	<0.005	<0.005	<0.005	<0.005	
11/28/2006	<0.005	<0.005	<0.005	<0.005	
7/6/2007	<0.005	<0.005	<0.005	<0.005	
12/13/2007	<0.005	<0.005	<0.005	<0.005	
6/20/2008	<0.005	<0.005	<0.005	<0.005	
12/7/2008	<0.005	<0.005	<0.005	<0.005	
7/9/2009	<0.005				
7/10/2009		<0.005	<0.005	<0.005	
12/28/2009	<0.005			<0.005	
12/29/2009		<0.005	<0.005		
6/22/2010	<0.005	<0.005	<0.005	<0.005	
1/4/2011	<0.005	<0.005		<0.005	
1/5/2011			<0.005		
7/9/2011	<0.005		<0.005	<0.005	
7/10/2011		<0.005			
1/20/2012				<0.005	
1/21/2012	<0.005	<0.005	<0.005		
7/11/2012	<0.005	<0.005	<0.005	<0.005	
1/19/2013			<0.005	<0.005	
1/20/2013	<0.005	<0.005			
7/18/2013				<0.005	
7/19/2013	<0.005	<0.005	<0.005		
1/15/2014	<0.005		<0.005	<0.005	
1/16/2014		<0.005			
7/10/2014		<0.005			
7/11/2014	<0.005		<0.005	<0.005	
1/15/2015				<0.005	
1/16/2015	<0.005	<0.005	<0.005		
6/19/2015				<0.005	
6/20/2015	<0.005	<0.005	<0.005		
12/7/2015					<0.005
12/15/2015					<0.005
12/28/2015					<0.005
1/13/2016					<0.005
1/14/2016			<0.005		
1/16/2016	<0.005	<0.005		<0.005	
1/25/2016					<0.005
4/20/2016	<0.005		<0.005	<0.005	
4/21/2016		<0.005			<0.005
6/15/2016	<0.005		0.00052 (J)	<0.005	<0.005
6/16/2016		<0.005			
8/9/2016					<0.005
8/10/2016	<0.005	0.00026 (J)	0.00053 (J)	<0.005	
9/27/2016	<0.005	0.00024 (J)	0.00047 (J)	<0.005	<0.005
11/15/2016	<0.005	<0.005	<0.005	<0.005	<0.005
1/11/2017					<0.005



# Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.00035 (J)	<0.005	0.00025 (J)	<0.005	
1/23/2017	<0.005				
2/28/2017					<0.005
3/1/2017	<0.005	<0.005	<0.005	<0.005	
4/20/2017	<0.005			<0.005	<0.005
4/24/2017		<0.005	<0.005		
7/19/2017	0.00026 (J)				0.00071 (J)
7/20/2017				<0.005	
7/24/2017		<0.005	0.00032 (J)		
1/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018					<0.005
7/12/2018	<0.005	<0.005	0.00025 (J)	<0.005	
1/29/2019					<0.005
1/30/2019	<0.005	<0.005	<0.005	<0.005	
3/26/2019					<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2020	<0.005	<0.005		<0.005	<0.005
4/2/2020			<0.005		
9/15/2020	<0.005	<0.005	<0.005		<0.005
9/16/2020				<0.005	
3/16/2021	<0.005	<0.005		<0.005	
3/17/2021			<0.005		<0.005
8/18/2021	<0.005	<0.005	<0.005	<0.005	
8/19/2021					<0.005

# Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.005	<0.005	<0.005		
12/9/2015				<0.005	<0.005
12/14/2015	<0.005	<0.005		<0.005	<0.005
12/15/2015			<0.005		
12/28/2015	<0.005	<0.005	<0.005		
12/29/2015				<0.005	<0.005
1/13/2016	<0.005				
1/14/2016		<0.005	<0.005	<0.005	<0.005
1/25/2016				<0.005	<0.005
1/26/2016	<0.005	<0.005	<0.005		
4/19/2016		<0.005	<0.005		
4/20/2016	<0.005				
4/21/2016				<0.005	<0.005
6/15/2016	<0.005				
6/16/2016		<0.005	<0.005	<0.005	<0.005
8/9/2016	<0.005				
8/10/2016			<0.005	<0.005	<0.005
8/11/2016		<0.005			
9/27/2016	<0.005			<0.005	0.00043 (J)
9/28/2016		<0.005	<0.005		
11/15/2016	<0.005		<0.005	<0.005	<0.005
11/16/2016		<0.005			
1/11/2017	<0.005	<0.005			
1/12/2017					<0.005
1/13/2017				<0.005	
1/16/2017			<0.005		
3/1/2017	<0.005	<0.005	<0.005	<0.005	<0.005
4/20/2017	<0.005				
4/24/2017					<0.005
4/25/2017		<0.005	0.00052 (J)	0.0021	
7/19/2017	<0.005				
7/25/2017		<0.005	<0.005	<0.005	<0.005
1/11/2018	<0.005				<0.005
1/12/2018		<0.005	<0.005	<0.005	
7/11/2018	<0.005	0.00044 (J)	<0.005	<0.005	<0.005
1/29/2019	<0.005		<0.005	<0.005	
1/30/2019		<0.005			<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2019	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2020	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005		<0.005	<0.005
9/16/2020			<0.005		
3/16/2021	<0.005		<0.005	<0.005	
3/17/2021		<0.005			<0.005
8/19/2021	<0.005	<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.005	<0.005	<0.005
9/11/2004		<0.005	<0.005	<0.005
9/26/2004		<0.005	<0.005	<0.005
10/13/2004		<0.005	<0.005	<0.005
7/11/2005		<0.005	<0.005	0.0058
12/7/2005		<0.005	<0.005	<0.005
6/22/2006		<0.005	<0.005	<0.005
11/28/2006		<0.005	<0.005	<0.005
7/6/2007		<0.005	<0.005	<0.005
12/13/2007		<0.005	<0.005	<0.005
6/20/2008		<0.005	<0.005	<0.005
12/7/2008		<0.005	<0.005	<0.005
7/9/2009		<0.005	<0.005	<0.005
12/29/2009			<0.005	<0.005
12/30/2009		<0.005		
6/22/2010		<0.005	<0.005	<0.005
1/4/2011		<0.005	<0.005	
1/5/2011				<0.005
7/9/2011			<0.005	<0.005
7/10/2011		<0.005		
1/21/2012		<0.005	<0.005	<0.005
7/11/2012		<0.005	<0.005	<0.005
1/19/2013			<0.005	<0.005
1/20/2013		<0.005		
7/18/2013			<0.005	<0.005
7/19/2013		<0.005		
1/15/2014			<0.005	<0.005
1/16/2014		<0.005		
7/10/2014		<0.005	<0.005	<0.005
1/15/2015			<0.005	
1/16/2015		<0.005		<0.005
6/19/2015			<0.005	
6/20/2015		<0.005		<0.005
1/14/2016		<0.005	<0.005	<0.005
4/19/2016				<0.005
4/20/2016		<0.005	<0.005	
6/14/2016		<0.005	<0.005	
6/15/2016				<0.005
6/16/2016	<0.005			
8/9/2016			<0.005	
8/10/2016	<0.005			<0.005
8/11/2016		<0.005		
9/27/2016		<0.005	<0.005	<0.005
9/28/2016	<0.005			
11/14/2016		<0.005		
11/15/2016			<0.005	<0.005
11/16/2016	<0.005			
1/10/2017		<0.005		
1/11/2017			<0.005	
1/13/2017				<0.005
1/17/2017	<0.005			
1/19/2017			0.0006 (J)	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.025 (o)
2/28/2017		0.0024	<0.005
3/1/2017			<0.005
3/2/2017	<0.005		
4/20/2017		<0.005	<0.005
4/24/2017			<0.005
4/25/2017	<0.005		
7/13/2017	<0.005		
7/18/2017		0.00026 (J)	<0.005
7/24/2017			<0.005
7/25/2017	<0.005		
1/10/2018		0.00069 (J)	<0.005
1/12/2018	<0.005		<0.005
7/11/2018		<0.005	<0.005
7/12/2018	<0.005		<0.005
1/29/2019		<0.005	<0.005
1/30/2019	<0.005		<0.005
3/26/2019		<0.005	<0.005
3/27/2019	<0.005		<0.005
9/10/2019		<0.005	<0.005
9/11/2019	<0.005		<0.005
3/31/2020		<0.005	<0.005
4/1/2020	<0.005		<0.005
9/15/2020	<0.005		<0.005
9/16/2020		<0.005	<0.005
3/17/2021	<0.005	<0.005	<0.005
8/19/2021	<0.005	<0.005	<0.005

# Time Series

Constituent: Silver (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					<0.001
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		

# Time Series

Constituent: Silver (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.001	<0.001
9/10/2019	<0.001	<0.001	<0.001		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2021		<0.001	<0.001	<0.001	<0.001
8/18/2021	<0.001				

# Time Series

Constituent: Silver (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		0.00061 (J)	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
6/15/2016	<0.001		<0.001	<0.001	<0.001
6/16/2016		<0.001			
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<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
4/1/2020	<0.001	<0.001		<0.001	<0.001
4/2/2020			<0.001		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	<0.001		<0.001	
3/17/2021			<0.001		<0.001
8/18/2021	<0.001	<0.001	<0.001	<0.001	
8/19/2021					<0.001



# Time Series

Constituent: Silver (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
6/15/2016	<0.001				
6/16/2016		<0.001	<0.001	<0.001	<0.001
1/11/2017	<0.001	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
7/19/2017	<0.001				
7/25/2017		<0.001	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		<0.001			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			<0.001		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		<0.001			<0.001
8/19/2021	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
7/10/2011		<0.001	
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		<0.001	<0.001
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
6/14/2016		<0.001	
6/15/2016			<0.001
6/16/2016	<0.001		
1/10/2017		<0.001	
1/11/2017		<0.001	
1/13/2017			<0.001
1/17/2017	<0.001		
7/18/2017		<0.001	
7/24/2017			<0.001
7/25/2017	<0.001		
1/10/2018		<0.001	
1/12/2018	<0.001		<0.001
7/11/2018		<0.001	
7/12/2018	<0.001		<0.001
1/29/2019		<0.001	
1/30/2019	<0.001		<0.001
3/26/2019		<0.001	
3/27/2019	<0.001		<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		<0.001	<0.001	
9/11/2019	<0.001			<0.001
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001
9/15/2020	<0.001		<0.001	
9/16/2020		<0.001		<0.001
3/17/2021	<0.001	<0.001	<0.001	<0.001
8/19/2021	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				1.27	1.03
4/20/2016	0.496 (J)	5.85	0.53 (J)		
6/14/2016	0.62 (J)	4.6		1.7	0.88 (J)
6/15/2016			0.67 (J)		
8/9/2016	<1	2.7	<1	<1	<1
9/26/2016				<1	
9/27/2016	<1	2	<1		0.9 (J)
11/14/2016					<1
11/15/2016	<1	1.5	<1	<1	
1/10/2017				0.83 (J)	1.2
1/11/2017		1.4	<1		
1/12/2017	<1				
2/28/2017	<1	1.1		0.99 (J)	1.1
3/1/2017			<1		
4/19/2017				0.97 (J)	<1
4/20/2017	<1	0.82 (J)	<1		
10/10/2017				<1	
10/11/2017	<1	<1	<1		<1
1/10/2018	<1			<1	1.1
1/11/2018		<1	<1		
7/11/2018	<1	<1	<1	<1	<1
1/29/2019	1.2	0.52 (J)	<1	0.64 (J)	<1
3/26/2019	0.63	0.92	0.9		
3/27/2019				<1	0.7
9/10/2019	0.93 (J)	0.83 (J)	0.83 (J)		
9/11/2019				0.76 (J)	1
3/31/2020	1.4				
4/1/2020		0.67 (J)	0.73 (J)	0.95 (J)	1.1
9/15/2020	0.38 (J)	1.1	0.44 (J)	<1	0.47 (J)
3/16/2021	<1	<1	<1	<1	<1
8/17/2021		<1	<1	<1	<1
8/18/2021	<1				

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	1.79		4.37	0.601 (J)	
4/21/2016		1.93			0.503 (J)
6/15/2016	2		5.7	0.8 (J)	0.62 (J)
6/16/2016		2.3			
8/9/2016					<1
8/10/2016	0.96 (J)	2.9	4.5	<1	
9/27/2016	0.75 (J)	3.2	4.4	<1	<1
11/15/2016	0.97 (J)	3.5	4.4	<1	<1
1/11/2017					<1
1/12/2017	1.7	4.2	4.6	<1	
2/28/2017					<1
3/1/2017	2	3.5	4.5	<1	
4/20/2017	1.3			<1	<1
4/24/2017		3.5	4		
10/11/2017	1.3		4.5		<1
10/12/2017		2.7		<1	
1/11/2018	1.6	2.6	3.5	<1	<1
7/11/2018					<1
7/12/2018	1.1	5	5.9	<1	
1/29/2019					0.43 (J)
1/30/2019	2.1	5	4.3	0.65 (J)	
3/26/2019					0.79
3/27/2019	1.6	4.3	5.4	0.67	
9/11/2019	1.3	5.2	3.8	1	1.2
4/1/2020	2	2.2		0.91 (J)	0.49 (J)
4/2/2020			3.4		
9/15/2020	1.6	3.6	5		0.44 (J)
9/16/2020				0.53 (J)	
3/16/2021	1.6	2.4		<1	
3/17/2021			5.6		<1
8/18/2021	1.2	3	4.1	<1	
8/19/2021					0.8 (J)

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		4.84	2.21		
4/20/2016	2.93				
4/21/2016				5.25	1.99
6/15/2016	1.8				
6/16/2016		9 (O)	2.5	3.9	1.6
8/9/2016	1.6				
8/10/2016			2.7	2.8	1.1
8/11/2016		5			
9/27/2016	1.5			2.6	1.1
9/28/2016		5.1	2.5		
11/15/2016	1.3		2.2	1.9	1
11/16/2016		4.9			
1/11/2017	1.1	5.2			
1/12/2017					1.2
1/13/2017				1.8	
1/16/2017			2.1		
3/1/2017	1.3	4.6	1.9	1.7	1.2
4/20/2017	0.77 (J)				
4/24/2017					0.95 (J)
4/25/2017		4.6	1.6	1.3	
10/11/2017	<1				
10/12/2017		4	1.7	1.1	0.72 (J)
12/13/2017		4			
1/11/2018	<1				<1
1/12/2018		4.5	1.5	0.86 (J)	
7/11/2018	<1	5	1.4	0.9 (J)	<1
1/29/2019	<1		1.4	1.3	
1/30/2019		5.8			0.72 (J)
3/27/2019	<1	4.8	1.6	1.7	0.92
9/11/2019	0.85 (J)	4.5	1.8	0.97 (J)	0.94 (J)
4/1/2020	<1	4.1	2.1	1.6	0.81 (J)
9/15/2020	<1	2.7		0.67 (J)	0.56 (J)
9/16/2020			1.6		
3/16/2021	<1		1.9	0.98 (J)	
3/17/2021		3.5			<1
8/19/2021	<1	3.5	2.5	1.3	0.79 (J)

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			3.84
4/20/2016		7.31	0.367 (J)
6/14/2016		8.6	0.48 (J)
6/15/2016			3.8
6/16/2016	9.2 (o)		
8/9/2016		<1	
8/10/2016	3.1		1.6
8/11/2016		3.7	
9/27/2016		4.6	<1
9/28/2016	3.1		0.91 (J)
11/14/2016		7.4	
11/15/2016		<1	<1
11/16/2016	3.2		
1/10/2017		4.7	
1/11/2017		<1	
1/13/2017			<1
1/17/2017	2.6		
2/28/2017		4.1	<1
3/1/2017			1.5
3/2/2017	3.3		
4/20/2017		5.9	<1
4/24/2017			1.2
4/25/2017	2.4		
7/13/2017	2.1		
10/10/2017		7.3	
10/11/2017		<1	
10/12/2017	2.1		2.3
1/10/2018		7.6	<1
1/12/2018	1.9		<1
7/11/2018		14	<1
7/12/2018	2		<1
1/29/2019		8.7	<1
1/30/2019	2.4		0.58 (J)
3/26/2019		11	0.68
3/27/2019	2.8		1.2
9/10/2019		9.8	0.77 (J)
9/11/2019	2.5		0.92 (J)
3/31/2020		6.2	0.76 (J)
4/1/2020	2		4.1
9/15/2020	1.9		<1
9/16/2020		4.1	<1
3/17/2021	1.8	3.5	<1
8/19/2021	1.9	5.4	<1

# Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	<0.001
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	0.0001 (J)	<0.001			
1/13/2016	6E-05 (J)	7.9E-05 (J)	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	<0.001
3/1/2017			<0.001		
4/19/2017				<0.001	<0.001
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	



# Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	<0.001
9/10/2019	0.00057 (J)	0.00021 (J)	0.0002 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		0.00018 (J)	<0.001	0.00017 (J)	<0.001
9/15/2020	<0.001	<0.001	<0.001	0.00029 (J)	0.00017 (J)
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2021		0.0006 (J)	0.00025 (J)	0.00062 (J)	0.00015 (J)
8/18/2021	0.00016 (J)				

# Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004	<0.001	<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001	<0.001	<0.001	<0.001	
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013		<0.001		<0.001	
7/19/2013	<0.001		<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			6.1E-05 (J)		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		<0.001	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		<0.001	<0.001	<0.001
6/16/2016		<0.001			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001	<0.001	
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	
4/20/2017	<0.001			<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/24/2017		<0.001	<0.001		
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<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	0.0002 (J)	<0.001	0.00017 (J)	<0.001
4/1/2020	<0.001	0.00031 (J)		<0.001	<0.001
4/2/2020			0.00028 (J)		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	0.00037 (J)		0.00022 (J)	
3/17/2021			0.00047 (J)		<0.001
8/18/2021	<0.001	<0.001	<0.001	<0.001	
8/19/2021					<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0001 (J)	0.0001 (J)	<0.001		
12/9/2015				0.0001 (J)	<0.001
12/14/2015	9E-05 (J)	0.0001 (J)		9E-05 (J)	<0.001
12/15/2015			<0.001		
12/28/2015	9E-05 (J)	0.0001 (J)	<0.001		
12/29/2015				0.0001 (J)	<0.001
1/13/2016	0.0001 (J)				
1/14/2016		0.000137 (J)	7.9E-05 (J)	0.000118 (J)	<0.001
1/25/2016				0.000102 (J)	<0.001
1/26/2016	9.5E-05 (J)	0.000142 (J)	<0.001		
4/19/2016		<0.001	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	3.8E-05 (J)				
6/16/2016		0.00013 (J)	<0.001	5.2E-05 (J)	2.7E-05 (J)
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		0.00011 (J)			
9/27/2016	<0.001			<0.001	0.00016 (J)
9/28/2016		0.00012 (J)	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		<0.001			
1/11/2017	<0.001	9.5E-05 (J)			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
3/1/2017	<0.001	0.00011 (J)	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		0.00012 (J)	<0.001	<0.001	
7/19/2017	<0.001				
7/25/2017		0.00011 (J)	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		0.00011 (J)	<0.001	<0.001	
7/11/2018	<0.001	9.5E-05 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.00012 (J)			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00018 (J)	0.00019 (J)	0.00034 (J)	0.00041 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			0.00026 (J)		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		0.00016 (J)			<0.001
8/19/2021	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		<0.001	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011		<0.001	<0.001
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
6/19/2015		<0.001	
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
4/19/2016			<0.001
4/20/2016		<0.001	
6/14/2016		3.6E-05 (J)	<0.001
6/15/2016			<0.001
6/16/2016	<0.001		
8/9/2016		<0.001	
8/10/2016	<0.001		<0.001
8/11/2016		<0.001	
9/27/2016		<0.001	<0.001
9/28/2016	<0.001		
11/14/2016		<0.001	
11/15/2016		<0.001	<0.001
11/16/2016	<0.001		
1/10/2017		<0.001	
1/11/2017		<0.001	
1/13/2017			<0.001
1/17/2017	<0.001		
1/19/2017		<0.001	
1/24/2017		0.00072	
2/28/2017		<0.001	<0.001
3/1/2017			<0.001
3/2/2017	<0.001		

# Time Series

Constituent: Thallium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/20/2017		<0.001	<0.001
4/24/2017			<0.001
4/25/2017	<0.001		
7/13/2017	<0.001		
7/18/2017		<0.001	<0.001
7/24/2017			<0.001
7/25/2017	9E-05 (J)		
1/10/2018		<0.001	<0.001
1/12/2018	0.00011 (J)		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	0.0001 (J)		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	0.00016 (J)		<0.001
3/26/2019		<0.001	<0.001
3/27/2019	0.00011		<0.001
9/10/2019		0.00033 (J)	<0.001
9/11/2019	0.00034 (J)		0.00023 (J)
3/31/2020		<0.001	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001
8/19/2021	<0.001	<0.001	<0.001

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<10	<10
4/20/2016	<10	<10	<10		
6/14/2016	47	65		55	46
6/15/2016			67		
8/9/2016	10	24	4 (J)	6	18
9/26/2016				24	
9/27/2016	16	14	18		30
11/14/2016					26
11/15/2016	4 (J)	18	26	38	
1/10/2017				18	18
1/11/2017		6	<10		
1/12/2017	26				
2/28/2017	6	14		12	22
3/1/2017			6		
4/19/2017				14	14
4/20/2017	<10	<10	<10		
10/10/2017				10	
10/11/2017	32	22	24		30
1/10/2018	10			6	28
1/11/2018		36	6		
7/11/2018	28 (J)	20 (J)	24 (J)	16 (J)	12 (J)
1/29/2019	24	22	26	36	27
3/26/2019	<10	17	27		
3/27/2019				36	35
9/10/2019	21	16	13		
9/11/2019				28	15
3/31/2020	17				
4/1/2020		<10	15	32	20
9/15/2020	17	17	14	22	<10
3/16/2021	23	17	20	24	25
8/17/2021		19	19	48	21
8/18/2021	21				

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<10		32	41	
4/21/2016		49			<10
6/15/2016	52		81	27	58
6/16/2016		109			
8/9/2016					6
8/10/2016	10	58	64	6	
9/27/2016	30	100	60	16	16
11/15/2016	32	94	72	22	18
1/11/2017					8
1/12/2017	52	110	84	44	
2/28/2017					4 (J)
3/1/2017	44	110	64	8	
4/20/2017	20			<10	10
4/24/2017		32	46		
10/11/2017	54		88		26
10/12/2017		74		12	
12/12/2017		150			
12/13/2017			68		
1/11/2018	100	150	10	34	56
7/11/2018					<5 (J)
7/12/2018	24 (J)	140 (J)	94 (J)	26 (J)	
1/29/2019					23
1/30/2019	55 (J)	160 (J)	89 (J)	22 (J)	
3/26/2019					17
3/27/2019	26	130	79	24	
9/11/2019	49	130	39	28	15
4/1/2020	39	130		20	21
4/2/2020			63		
9/15/2020	25	140	82		13
9/16/2020				17	
3/16/2021	29	130		19	
3/17/2021			81		29
8/18/2021	33	140	97	20	
8/19/2021					21



# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		106	34		
4/20/2016	29				
4/21/2016				28	<10
6/15/2016	85				
6/16/2016		150	34	42	30
8/9/2016	<10				
8/10/2016			32	6	<10
8/11/2016		78			
9/27/2016	6			20	14
9/28/2016		43	13		
11/15/2016	24		64	82	58
11/16/2016		140			
1/11/2017	20	64			
1/12/2017					38
1/13/2017				36	
1/16/2017			12		
3/1/2017	38	88	72	40	32
4/20/2017	6				
4/24/2017					16
4/25/2017		92	62	14	
10/11/2017	48				
10/12/2017		54	38	22	12
1/11/2018	18				20
1/12/2018		110	81	56	
7/11/2018	22 (J)	16 (J)	38 (J)	32 (J)	52 (J)
1/29/2019	37		62	27	
1/30/2019		100 (J)			43 (J)
3/27/2019	38	79	61	57	33
9/11/2019	31	45	49	45	23
4/1/2020	27	73	52	26	21
9/15/2020	26	64		34	24
9/16/2020			60		
3/16/2021	25		65	37	
3/17/2021		59			24
8/19/2021	32	71	57	40	32

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
4/19/2016			49
4/20/2016		<10	<10
6/14/2016		67	62
6/15/2016			84
6/16/2016	78		
8/9/2016		6	
8/10/2016	88		44
8/11/2016		<10	
9/27/2016		28	10
9/28/2016	35		30
11/14/2016		48	
11/15/2016			32
11/16/2016	98		
1/10/2017		22	
1/11/2017			12
1/13/2017			54
1/17/2017	36		
2/28/2017		32	<10
3/1/2017			34
3/2/2017	38		
4/20/2017		20	34
4/24/2017			<10
4/25/2017	28		
7/13/2017	20		
10/10/2017		24	
10/11/2017			40
10/12/2017	24		20
1/10/2018		42	48
1/12/2018	43		48
7/11/2018		<5 (J)	22 (J)
7/12/2018	40		42 (J)
1/29/2019		26	34
1/30/2019	38 (J)		42 (J)
3/26/2019		39	21
3/27/2019	42		34
9/10/2019		36	13
9/11/2019	24		43
3/31/2020		27	28
4/1/2020	25		36
9/15/2020	27		23
9/16/2020		21	<10
3/17/2021	24	36	31
8/19/2021	32	26	20
			37

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	0.0031
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	0.005
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.056 (O)
7/9/2011				<0.001	0.0033
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				0.0051	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	0.00055 (J)	0.00033 (J)		0.00044 (J)	0.00027 (J)
6/15/2016			0.00015 (J)		
1/10/2017				0.0014 (J)	0.0015 (J)
1/11/2017		<0.001	0.0015 (J)		
1/12/2017	0.0018 (J)				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	0.0018 (J)	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	0.0019		

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				0.0019	0.0047
9/10/2019	0.0027	0.002	0.0019		
9/11/2019				0.0014	0.0012
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001
3/16/2021	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2021		<0.001	<0.001	<0.001	<0.001
8/18/2021	<0.001				

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	0.0093 (o)	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	0.0025	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	0.0032		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		0.001 (J)	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	0.00098 (J)	0.00089 (J)		
6/19/2015				<0.001	
6/20/2015	0.0017 (J)	0.0019 (J)	0.0017 (J)		
12/7/2015				<0.001	
12/15/2015				<0.001	
12/28/2015				<0.001	
1/13/2016				<0.001	
1/14/2016			0.0017 (J)		
1/16/2016	<0.001	0.0008 (J)		<0.001	
1/25/2016					<0.001
6/15/2016	0.00031 (J)		0.0018 (J)	0.0004 (J)	0.0003 (J)
6/16/2016		0.0011 (J)			
1/11/2017					0.0017 (J)
1/12/2017	0.0031	0.0087	0.01	0.0075	
7/19/2017	<0.001				<0.001
7/20/2017				0.0015 (J)	
7/24/2017		0.0027	0.0015 (J)		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	0.0027 (J)	<0.001	<0.001	
3/26/2019					0.0041
3/27/2019	<0.001	0.0065	0.0016	0.0078	
9/11/2019	0.0013	0.0022	0.0025	0.0011	0.0016
4/1/2020	<0.001	0.0012		<0.001	<0.001
4/2/2020			0.0016		
9/15/2020	<0.001	<0.001	0.001		<0.001
9/16/2020				<0.001	
3/16/2021	<0.001	0.0013		<0.001	
3/17/2021			0.0015		<0.001
8/18/2021	0.0011	0.0015	0.0018	<0.001	
8/19/2021					<0.001

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	0.0023 (J)	0.0023 (J)		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	0.0028 (J)		<0.001	<0.001
12/15/2015			0.0016 (J)		
12/28/2015	<0.001	0.0024 (J)	0.0013 (J)		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		0.0022 (J)	0.0014 (J)	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	0.0022 (J)	0.0013 (J)		
6/15/2016	0.00047 (J)				
6/16/2016		0.0041 (J)	0.00092 (J)	0.00054 (J)	0.00048 (J)
1/11/2017	<0.001	0.003			
1/12/2017					0.0058
1/13/2017				0.0074	
1/16/2017			0.0067		
7/19/2017	<0.001				
7/25/2017		0.0055	0.0035	0.0034	0.0029
1/11/2018	<0.001				<0.001
1/12/2018		0.0022 (J)	<0.001	<0.001	
7/11/2018	<0.001	0.0016 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.0042 (J)			<0.001
3/27/2019	0.004	0.0074	<0.001	0.0031	0.0049
9/11/2019	0.0018	0.0037	0.0023	0.0018	0.0015
4/1/2020	<0.001	0.0024	<0.001	<0.001	<0.001
9/15/2020	<0.001	0.0022		<0.001	<0.001
9/16/2020			<0.001		
3/16/2021	<0.001		<0.001	<0.001	
3/17/2021		0.0026			<0.001
8/19/2021	0.0013	0.003	0.0015	<0.001	0.001

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001
9/11/2004		<0.001	<0.001
9/26/2004		<0.001	<0.001
10/13/2004		<0.001	<0.001
7/11/2005		<0.001	<0.001
12/7/2005		<0.001	<0.001
6/22/2006		<0.001	<0.001
11/28/2006		<0.001	<0.001
7/6/2007		<0.001	<0.001
12/13/2007		<0.001	<0.001
6/20/2008		0.0033	<0.001
12/7/2008		<0.001	<0.001
7/9/2009		<0.001	<0.001
12/29/2009		<0.001	<0.001
12/30/2009		<0.001	
6/22/2010		<0.001	<0.001
1/4/2011		<0.001	
1/5/2011			<0.001
7/9/2011			<0.001
7/10/2011		<0.001	
1/21/2012		<0.001	<0.001
7/11/2012		<0.001	<0.001
1/19/2013		<0.001	<0.001
1/20/2013		<0.001	
7/18/2013		<0.001	<0.001
7/19/2013		<0.001	
1/15/2014		<0.001	<0.001
1/16/2014		<0.001	
7/10/2014		<0.001	<0.001
1/15/2015		<0.001	
1/16/2015		<0.001	<0.001
6/19/2015			0.0035 (J)
6/20/2015		<0.001	<0.001
1/14/2016		<0.001	<0.001
6/14/2016		0.00028 (J)	0.00047 (J)
6/15/2016			0.00019 (J)
6/16/2016	0.00063 (J)		
1/10/2017		0.0014 (J)	
1/11/2017			0.0016 (J)
1/13/2017			0.0091
1/17/2017	0.0026		
7/18/2017		<0.001	<0.001
7/24/2017			0.0027
7/25/2017	0.003		
1/10/2018		<0.001	<0.001
1/12/2018	<0.001		<0.001
7/11/2018		<0.001	<0.001
7/12/2018	<0.001		<0.001
1/29/2019		<0.001	<0.001
1/30/2019	<0.001		<0.001
3/26/2019		0.0027	0.0015
3/27/2019	0.0055		0.006



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.0018	0.0018
9/11/2019	0.0015		0.0015
3/31/2020		<0.001	<0.001
4/1/2020	<0.001		<0.001
9/15/2020	<0.001		<0.001
9/16/2020		<0.001	<0.001
3/17/2021	<0.001	<0.001	<0.001
8/19/2021	0.0011	<0.001	<0.001

# Time Series

Constituent: Zinc (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				0.014	<0.005
9/11/2004				<0.005	<0.005
9/26/2004				<0.005	<0.005
10/13/2004				<0.005	<0.005
7/11/2005				<0.005	<0.005
12/7/2005				<0.005	<0.005
6/22/2006				0.0041	0.0042
11/28/2006				0.0033	0.0048
7/6/2007				0.0036	0.045
12/13/2007				<0.005	0.005
6/20/2008				0.0045	0.012
12/7/2008				0.0031	0.042
7/9/2009				0.004	0.0038
12/28/2009				0.0027	<0.005
6/22/2010				0.0028	<0.005
1/4/2011				0.0027	
1/5/2011					0.057 (O)
7/9/2011				0.0051	0.0085
1/20/2012					0.0057
1/21/2012				0.004	
7/11/2012				0.0075	<0.005
1/19/2013					<0.005
1/20/2013				0.0034	
7/18/2013					0.0028
7/19/2013				<0.005	
1/15/2014				0.0049	0.0047
7/11/2014				0.0038	0.0025
1/15/2015					0.002 (J)
1/16/2015				0.0032	
6/19/2015					0.0019 (J)
6/20/2015				0.0042	
12/7/2015	0.0034	0.0044	0.0048		
12/14/2015			0.0038		
12/15/2015	0.003	0.0031			
12/28/2015			0.0042		
12/29/2015	0.0028	0.0028			
1/13/2016	0.0025	0.0028	0.0036		
1/16/2016				0.0042	0.0033
1/25/2016	0.0022 (J)	0.0034	0.0033		
6/14/2016	0.0042 (J)	0.0036 (J)		0.0043 (J)	0.0028 (J)
6/15/2016			0.0032 (J)		
1/10/2017				0.0084 (J)	0.0079 (J)
1/11/2017		0.013 (J)	<0.005		
1/12/2017	<0.005				
7/17/2017				<0.005	
7/18/2017	<0.005				<0.005
7/19/2017		<0.005	<0.005		
1/10/2018	<0.005			<0.005	<0.005
1/11/2018		<0.005	<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	<0.005	0.0048 (J)	0.0024 (J)	0.0064 (J)	<0.005
3/26/2019	<0.005	<0.005	<0.005		

# Time Series

Constituent: Zinc (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*]GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.005	<0.005
9/10/2019	0.0061	0.0069	0.006		
9/11/2019				0.0089	0.012
3/31/2020	<0.005				
4/1/2020		<0.005	<0.005	0.0066	<0.005
9/15/2020	0.0037 (J)	0.024	0.0033 (J)	0.0049 (J)	<0.005
3/16/2021	<0.005	0.007	0.005	0.0045 (J)	0.0035 (J)
8/17/2021		<0.005	<0.005	0.004 (J)	<0.005
8/18/2021	<0.005				

# Time Series

Constituent: Zinc (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	0.012	<0.005	<0.005	<0.005	
9/11/2004	<0.005	0.01	<0.005	0.01	
9/26/2004	<0.005	<0.005	<0.005	<0.005	
10/13/2004		<0.005	<0.005	<0.005	
7/11/2005	<0.005	<0.005	<0.005	<0.005	
12/7/2005	0.015	<0.005	<0.005	<0.005	
6/22/2006	0.0044	0.0034	0.0025	0.0038	
11/28/2006	0.0034	0.019	0.0026	0.007	
7/6/2007	0.0029	<0.005	0.0025	0.0025	
12/13/2007	<0.005	<0.005	<0.005	0.0032	
6/20/2008	0.0035	0.0039	0.0089	0.0044	
12/7/2008	0.0036	<0.005	0.041 (O)	0.0042	
7/9/2009	0.0032				
7/10/2009		<0.005	<0.005	0.0025	
12/28/2009	0.0032			0.0027	
12/29/2009		<0.005	<0.005		
6/22/2010	0.0032	<0.005	<0.005	<0.005	
1/4/2011	<0.005	<0.005		0.0033	
1/5/2011			<0.005		
7/9/2011	0.0076		<0.005	0.0043	
7/10/2011		0.0026			
1/20/2012				0.0038	
1/21/2012	0.0034	<0.005	0.005		
7/11/2012	0.0028	<0.005	0.0025	0.0035	
1/19/2013			<0.005	0.0028	
1/20/2013	0.0032	<0.005			
7/18/2013				0.0028	
7/19/2013	0.0028	<0.005	<0.005		
1/15/2014	0.0047		0.0034	0.0053	
1/16/2014		0.0031			
7/10/2014		0.0012 (J)			
7/11/2014	0.0041		0.0019 (J)	0.0034	
1/15/2015				0.003	
1/16/2015	0.0035	0.0017 (J)	<0.005		
6/19/2015				0.0035	
6/20/2015	0.0043	0.0036	<0.005		
12/7/2015					0.0052
12/15/2015					0.0046
12/28/2015					0.0042
1/13/2016					0.0038
1/14/2016			0.0022 (J)		
1/16/2016	0.002 (J)	<0.005		0.0023 (J)	
1/25/2016					0.0036
6/15/2016	0.0027 (J)		0.0028 (J)	0.0031 (J)	0.0028 (J)
6/16/2016		<0.005			
1/11/2017					0.014 (J)
1/12/2017	<0.005	<0.005	<0.005	<0.005	
7/19/2017	<0.005				<0.005
7/20/2017				<0.005	
7/24/2017		<0.005	<0.005		
1/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018					<0.005

# Time Series

Constituent: Zinc (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.005	<0.005	<0.005	<0.005	
1/29/2019					0.0059 (J)
1/30/2019	0.0031 (J)	<0.005	<0.005	<0.005	
3/26/2019					<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019	0.0088	0.0058	0.005	0.0066	0.0062
4/1/2020	0.0046 (J)	<0.005		<0.005	<0.005
4/2/2020			0.0049 (J)		
9/15/2020	0.0049 (J)	0.0043 (J)	<0.005		0.0033 (J)
9/16/2020				0.0033 (J)	
3/16/2021	0.0047 (J)	<0.005		<0.005	
3/17/2021			0.0032 (J)		0.0063
8/18/2021	0.0035 (J)	<0.005	<0.005	0.0081	
8/19/2021					<0.005

# Time Series

Constituent: Zinc (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0058	0.0017 (J)	0.0035		
12/9/2015				0.0035	0.0016 (J)
12/14/2015	0.006	0.0028		0.0056	0.0015 (J)
12/15/2015			0.0028		
12/28/2015	0.0058	0.0024 (J)	0.0023 (J)		
12/29/2015				0.0084	<0.005
1/13/2016	0.0056				
1/14/2016		0.0036	0.012	0.0048	0.0052
1/25/2016				0.0069	0.0017 (J)
1/26/2016	0.0046	0.0036	0.0034		
6/15/2016	0.0053 (J)				
6/16/2016		0.0052 (J)	0.0026 (J)	0.0048 (J)	0.0097 (J)
1/11/2017	0.018 (J)	0.025			
1/12/2017					<0.005
1/13/2017				<0.005	
1/16/2017			<0.005		
7/19/2017	<0.005				
7/25/2017		<0.005	<0.005	<0.005	<0.005
1/11/2018	<0.005				<0.005
1/12/2018		<0.005	<0.005	<0.005	
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	0.0059 (J)		0.0051 (J)	<0.005	
1/30/2019		0.5			0.0025 (J)
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2019	0.013	0.0058	0.0046 (J)	0.0073	0.0063
4/1/2020	0.005	<0.005	<0.005	<0.005	0.0032 (J)
9/15/2020	0.0052	0.0032 (J)		0.0044 (J)	<0.005
9/16/2020			0.004 (J)		
3/16/2021	0.006		<0.005	<0.005	
3/17/2021		0.0032 (J)			<0.005
8/19/2021	0.013	0.015	0.017	<0.005	<0.005

# Time Series

Constituent: Zinc (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.005	0.017
9/11/2004		<0.005	<0.005
9/26/2004		<0.005	<0.005
10/13/2004		<0.005	<0.005
7/11/2005		<0.005	<0.005
12/7/2005		0.06 (O)	<0.005
6/22/2006		0.0061	0.0033
11/28/2006		0.0064	0.0034
7/6/2007		0.011	0.0037
12/13/2007		0.0061	<0.005
6/20/2008		0.009	0.0042
12/7/2008		0.0071	0.0049
7/9/2009		0.0059	0.0032
12/29/2009			0.0031
12/30/2009		0.0038	
6/22/2010		0.0044	<0.005
1/4/2011		0.0038	0.0029
1/5/2011			<0.005
7/9/2011			0.0038
7/10/2011		0.005	
1/21/2012		0.0074	0.0057
7/11/2012		0.0047	0.0032
1/19/2013			0.0032
1/20/2013		<0.005	
7/18/2013			0.0027
7/19/2013		0.0032	
1/15/2014			0.0059
1/16/2014		0.019	
7/10/2014		0.0038	0.0064
1/15/2015			0.0024 (J)
1/16/2015		0.0045	
6/19/2015			0.0057
6/20/2015		0.0023 (J)	
1/14/2016		0.0024 (J)	0.0022 (J)
6/14/2016		0.0053 (J)	0.0028 (J)
6/15/2016			0.0037 (J)
6/16/2016	0.0098 (J)		
1/10/2017		<0.005	
1/11/2017			0.013 (J)
1/13/2017			<0.005
1/17/2017	<0.005		
7/18/2017		<0.005	<0.005
7/24/2017			<0.005
7/25/2017	0.0069 (J)		
1/10/2018		<0.005	<0.005
1/12/2018	<0.005		<0.005
7/11/2018		0.0098 (J)	<0.005
7/12/2018	<0.005		<0.005
1/29/2019		0.0064 (J)	0.0027 (J)
1/30/2019	0.0049 (J)		0.051
3/26/2019		0.01	<0.005
3/27/2019	<0.005		<0.005

# Time Series

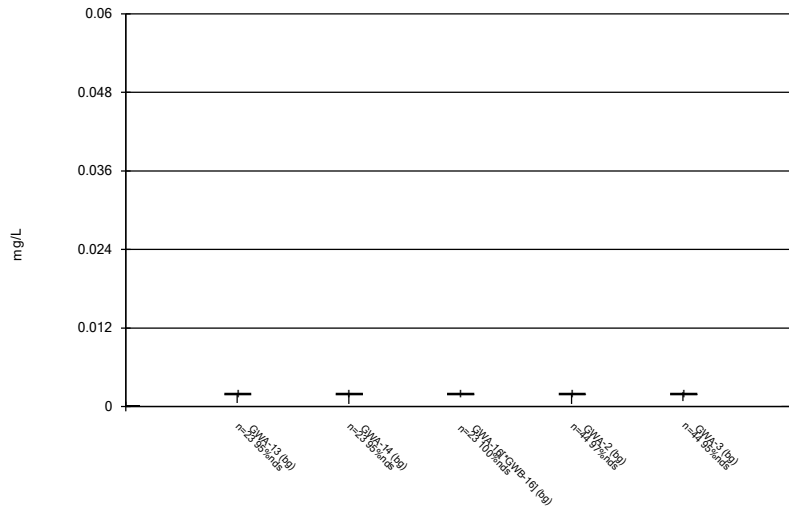
Constituent: Zinc (mg/L) Analysis Run 9/24/2021 2:16 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWC-4A[*GWB-4...GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.012	0.022
9/11/2019	0.0086		0.0058
3/31/2020		0.013	<0.005
4/1/2020	0.0033 (J)		<0.005
9/15/2020	0.004 (J)		0.0049 (J)
9/16/2020		0.011	0.0035 (J)
3/17/2021	0.0033 (J)	0.0039 (J)	0.0041 (J)
8/19/2021	0.0081	0.004 (J)	<0.005



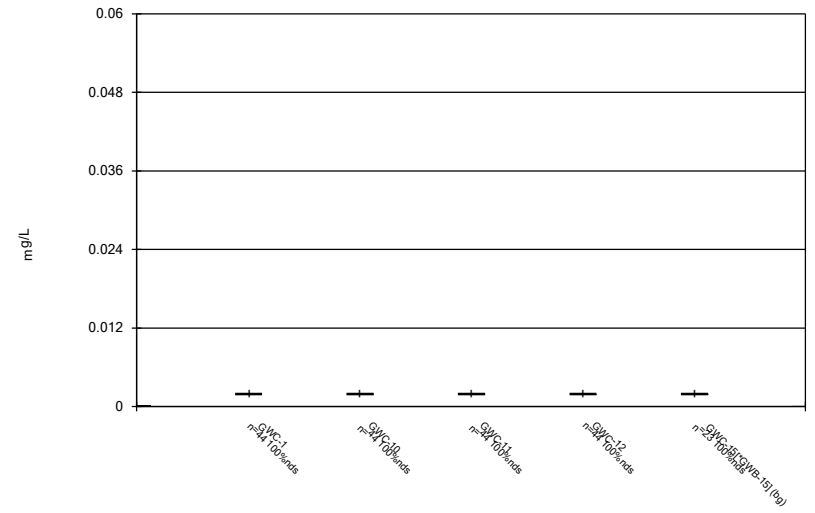
FIGURE B.

Box & Whiskers Plot



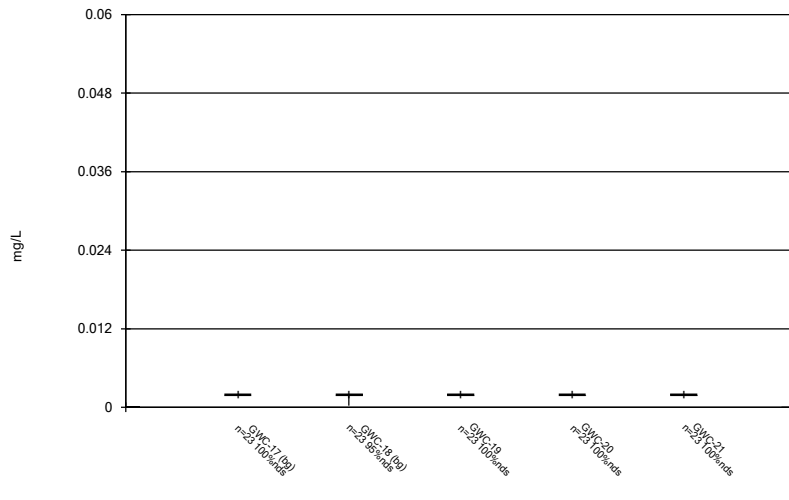
Constituent: Antimony Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



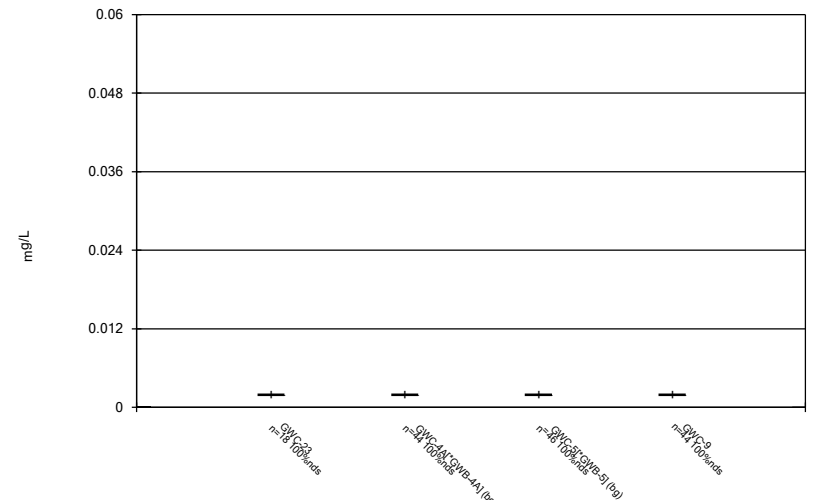
Constituent: Antimony Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



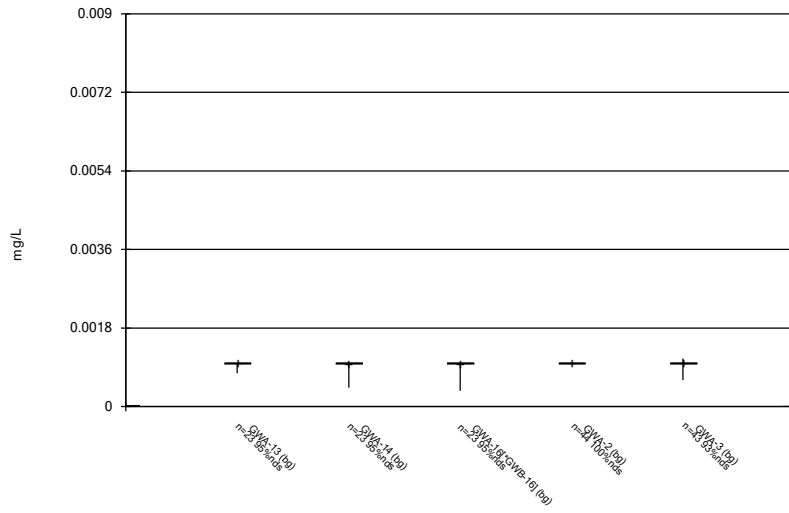
Constituent: Antimony Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



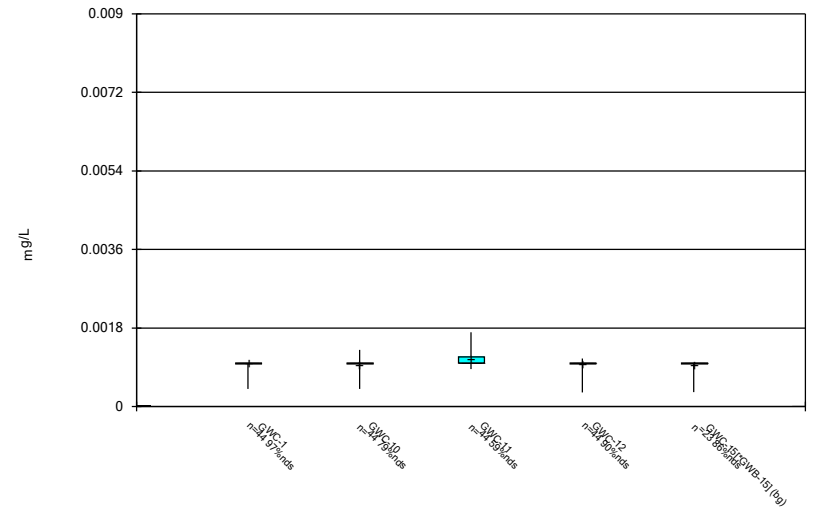
Constituent: Antimony Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



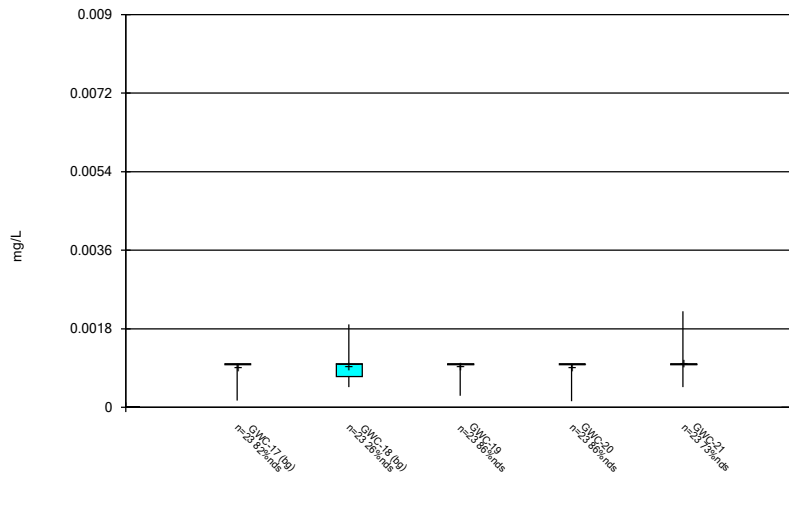
Constituent: Arsenic Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



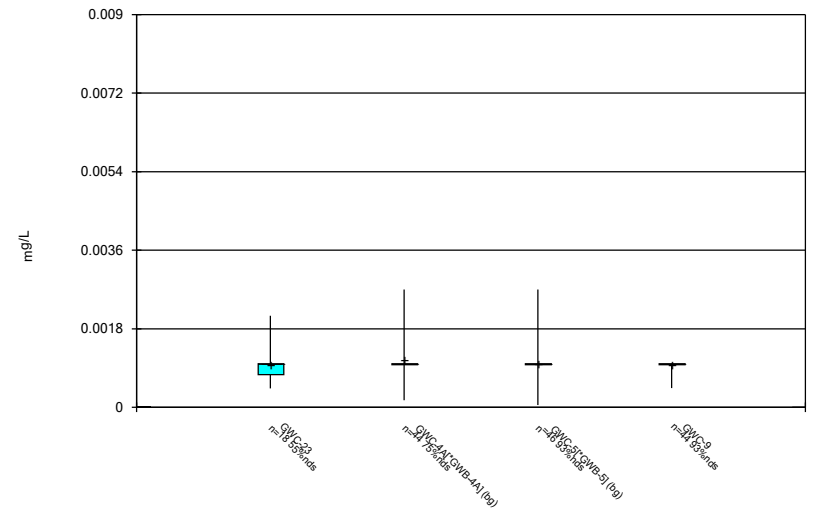
Constituent: Arsenic Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



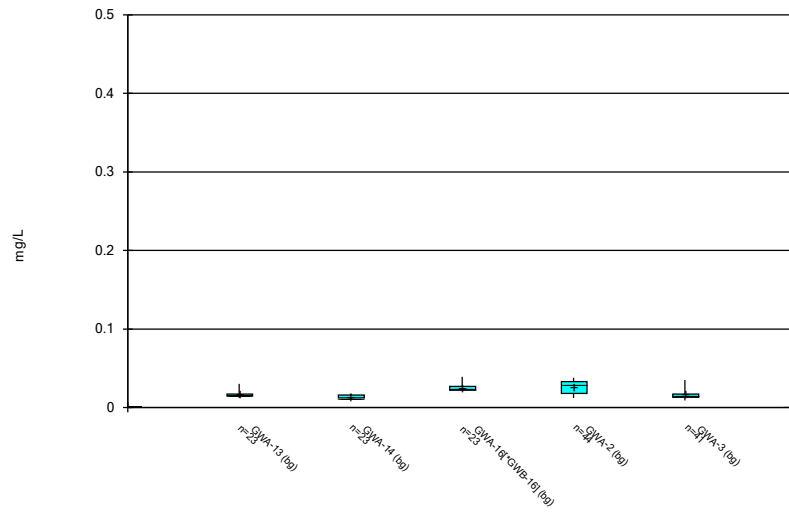
Constituent: Arsenic Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



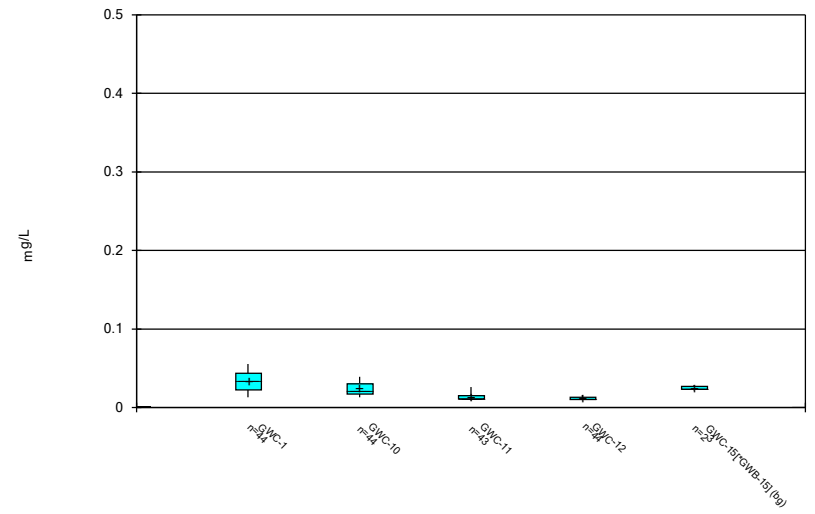
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



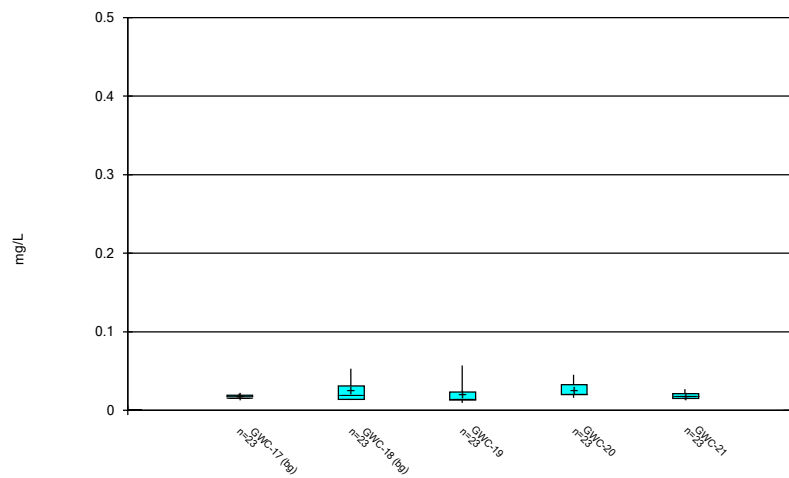
Constituent: Barium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



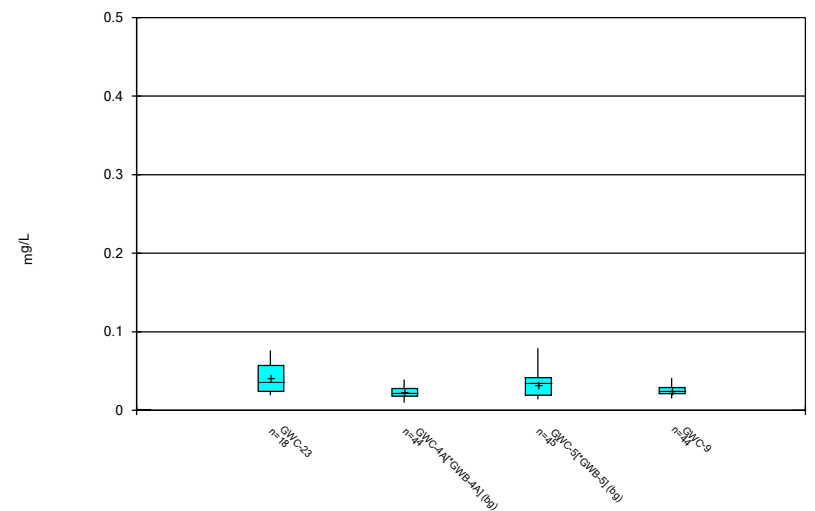
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



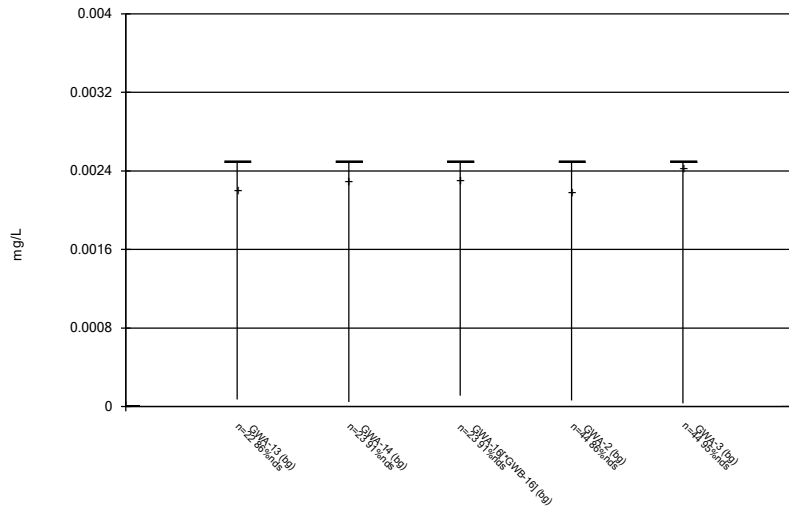
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



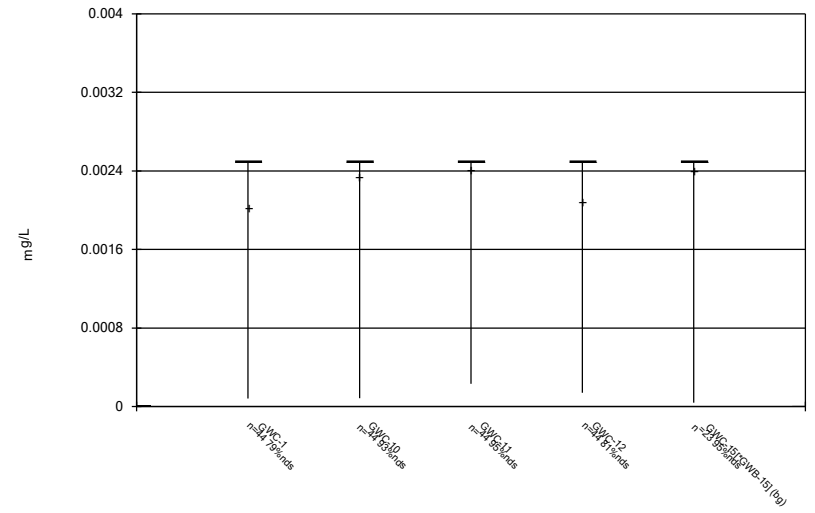
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



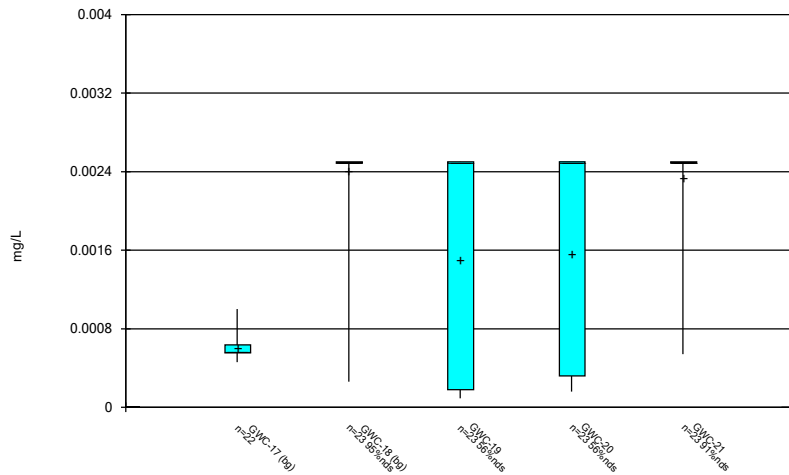
Constituent: Beryllium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



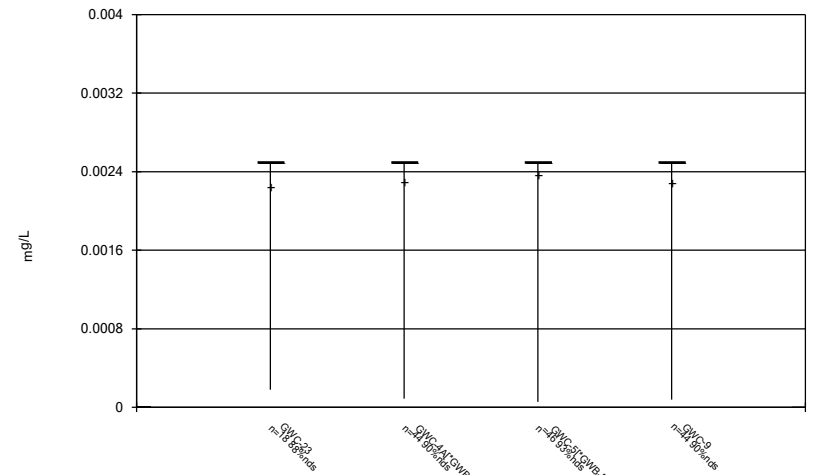
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



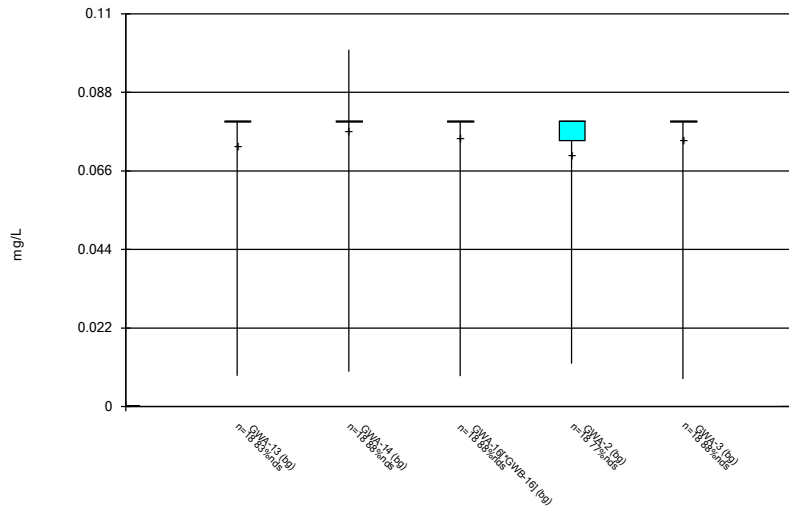
Constituent: Beryllium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



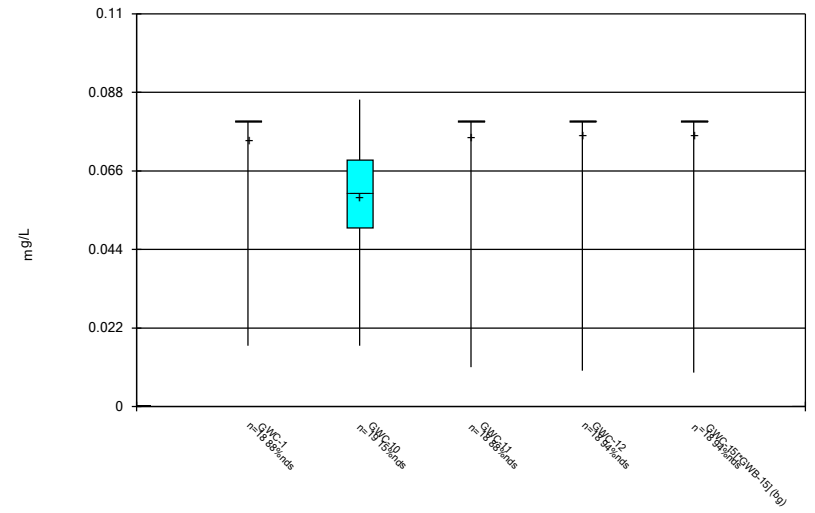
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



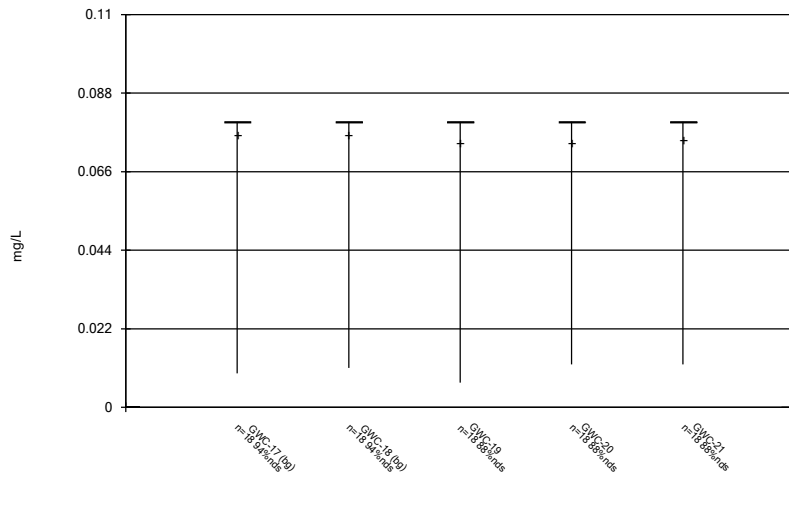
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



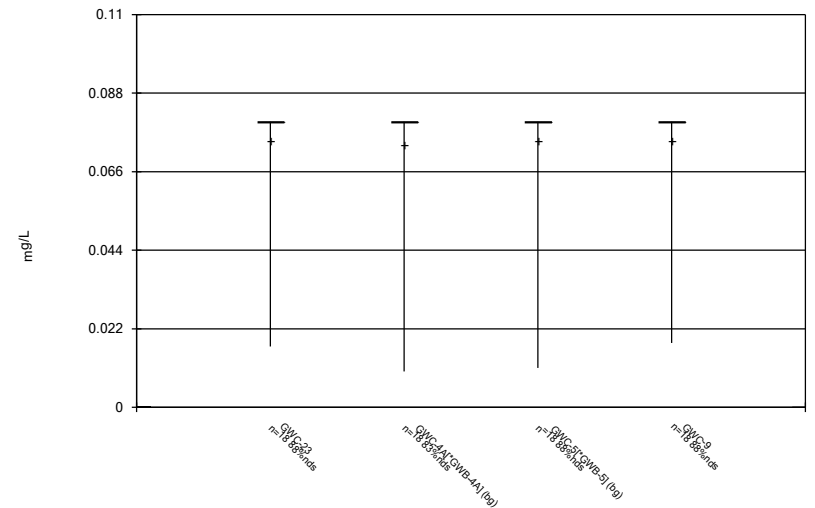
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



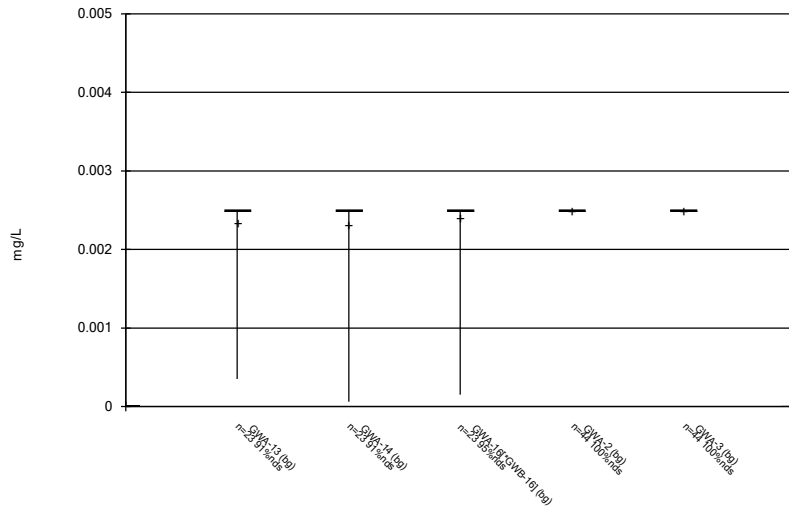
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



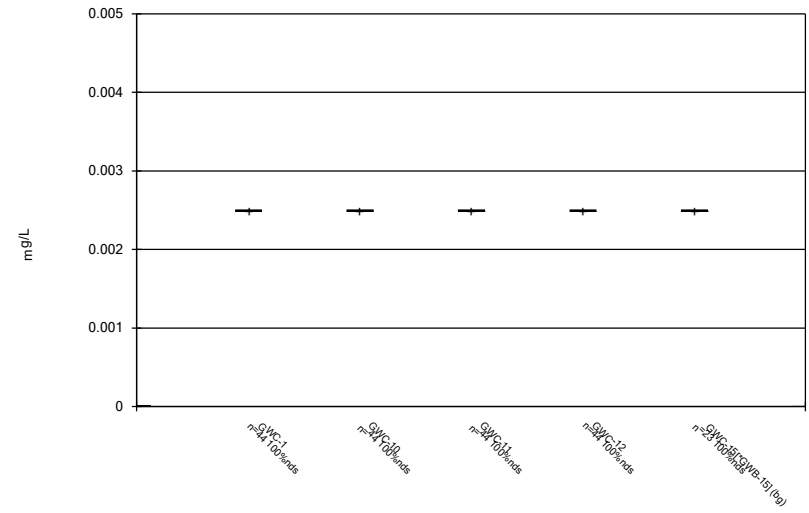
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



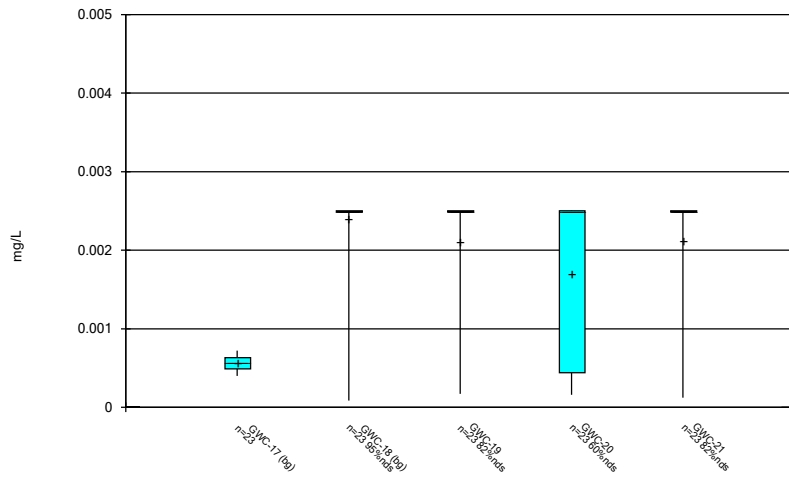
Constituent: Cadmium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



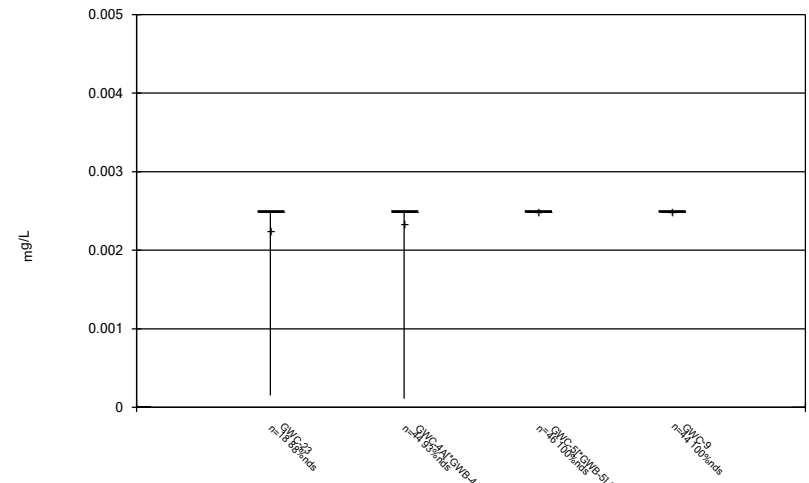
Constituent: Cadmium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



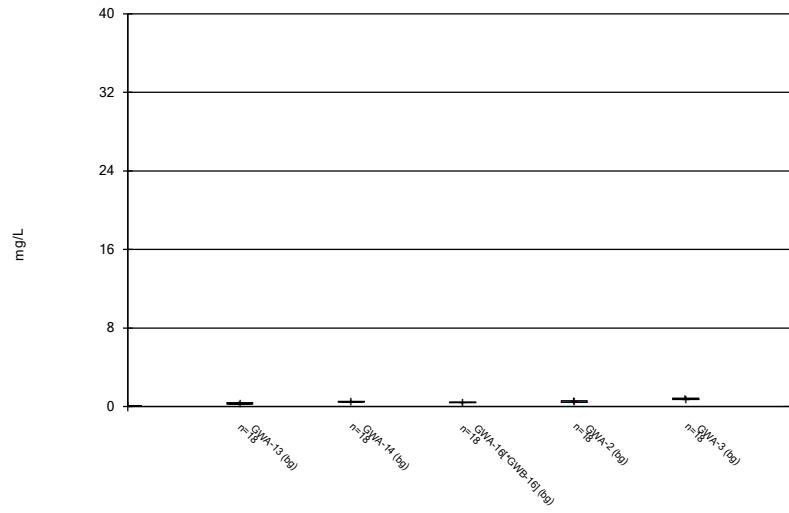
Constituent: Cadmium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



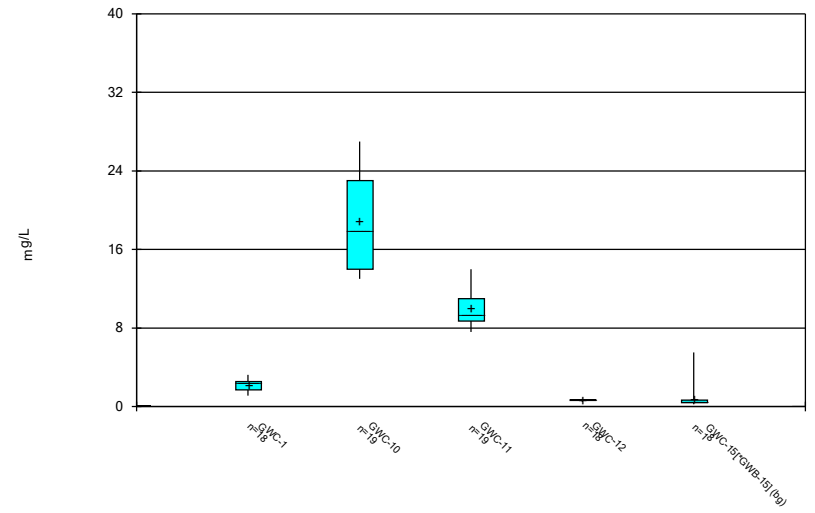
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



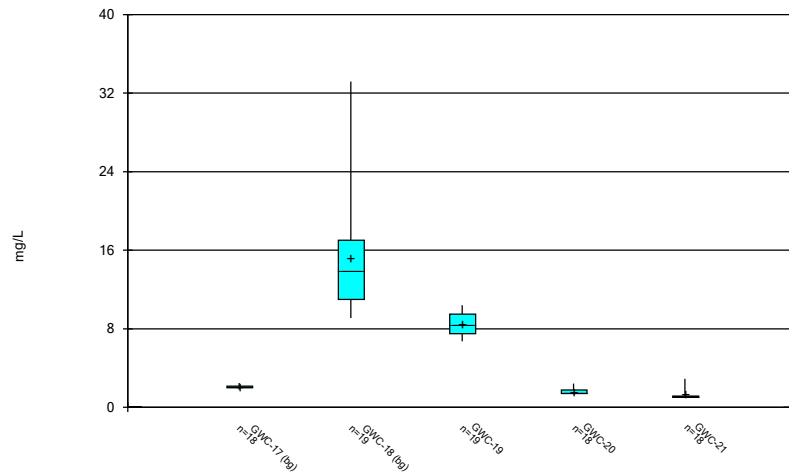
Constituent: Calcium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



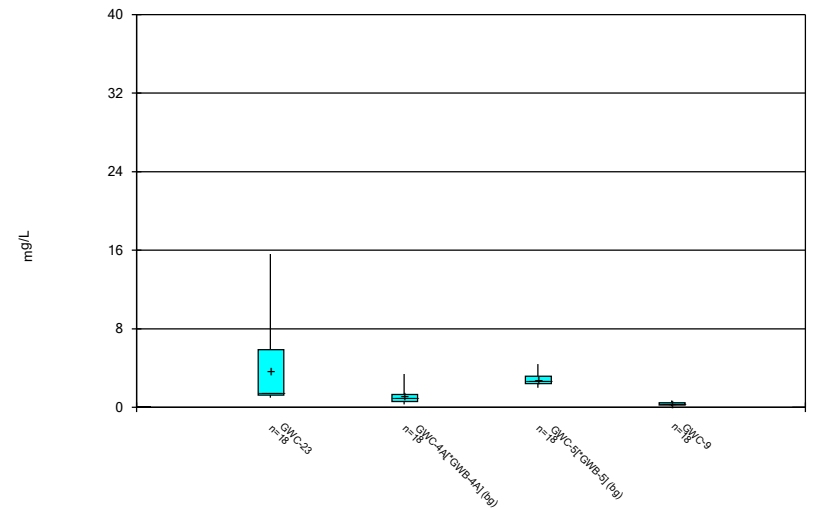
Constituent: Calcium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Calcium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

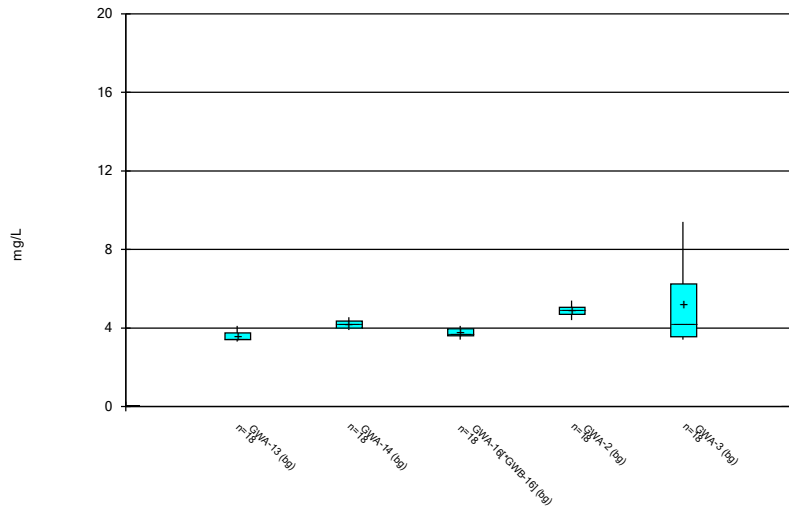
Box & Whiskers Plot



Constituent: Calcium Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

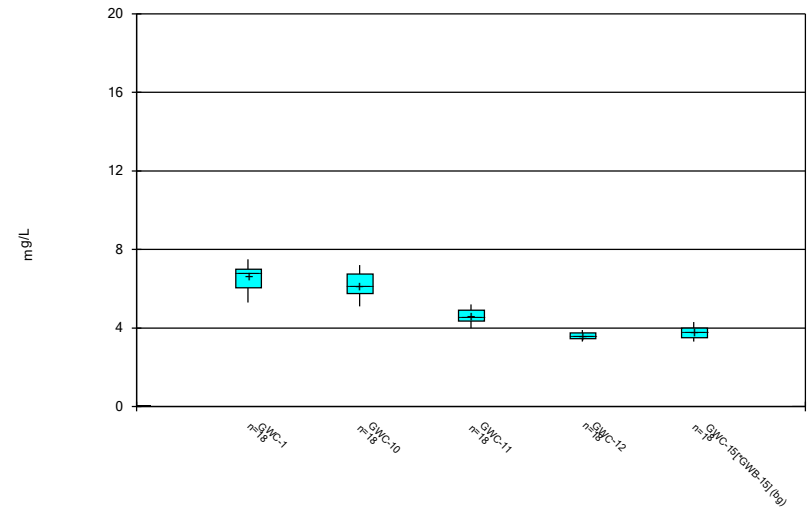


Box & Whiskers Plot



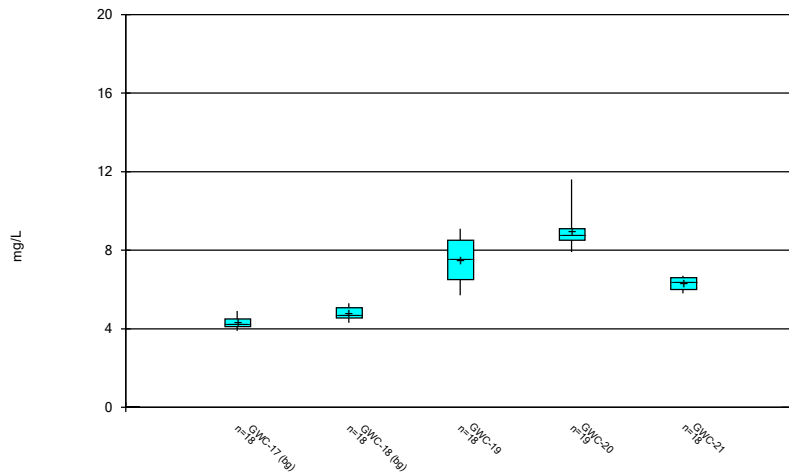
Constituent: Chloride Analysis Run 9/24/2021 2:17 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



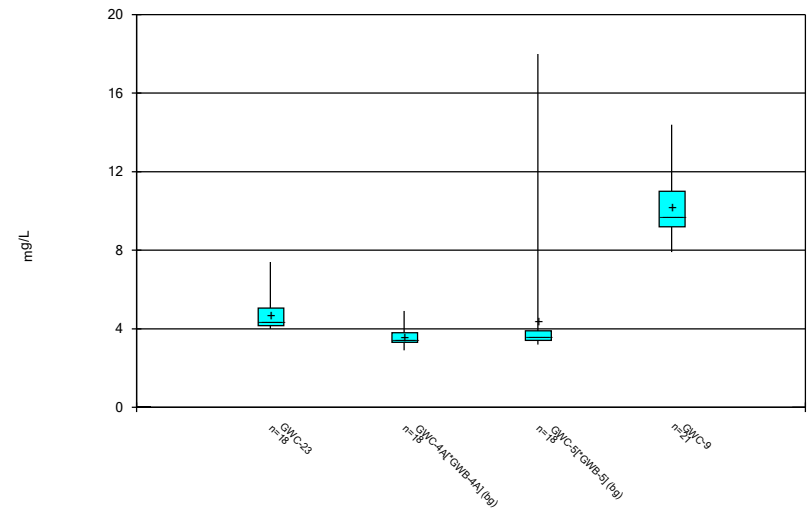
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



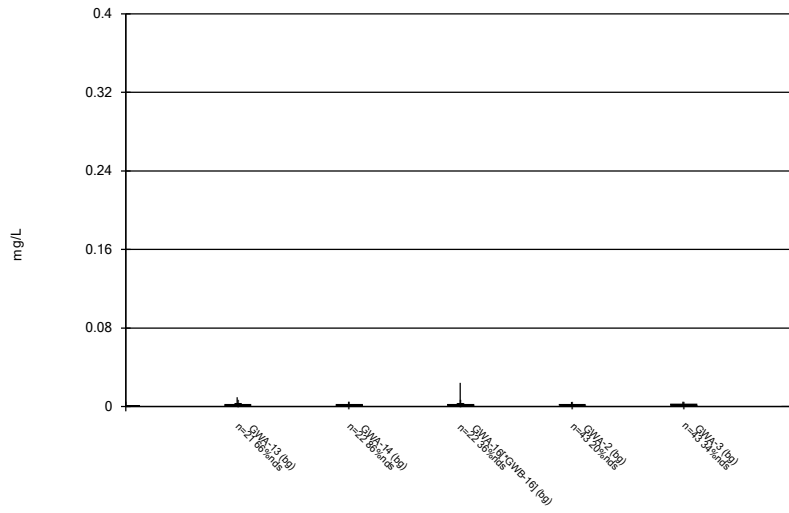
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



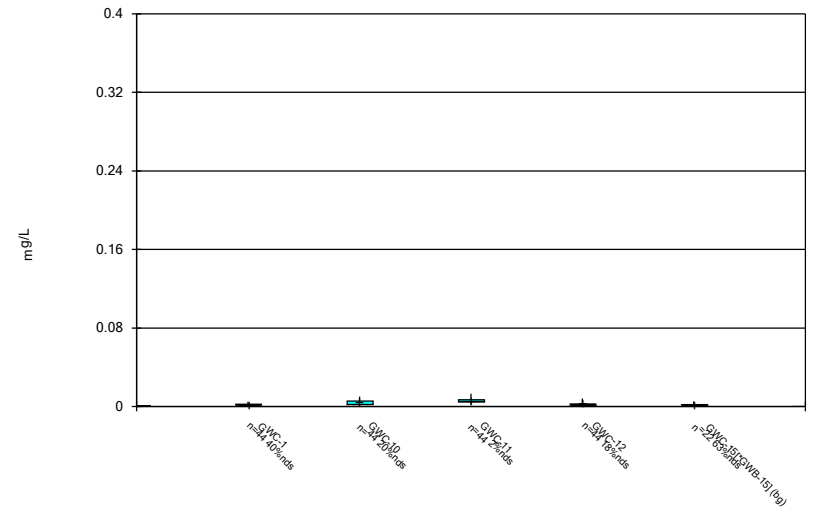
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



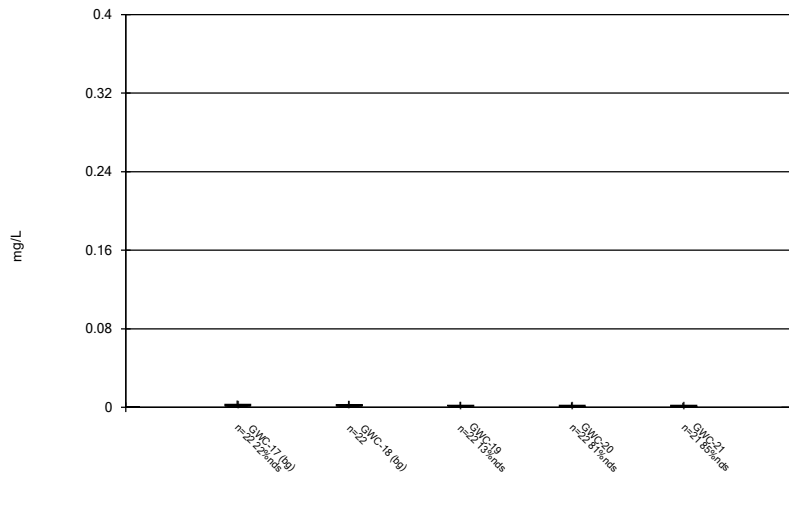
Constituent: Chromium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



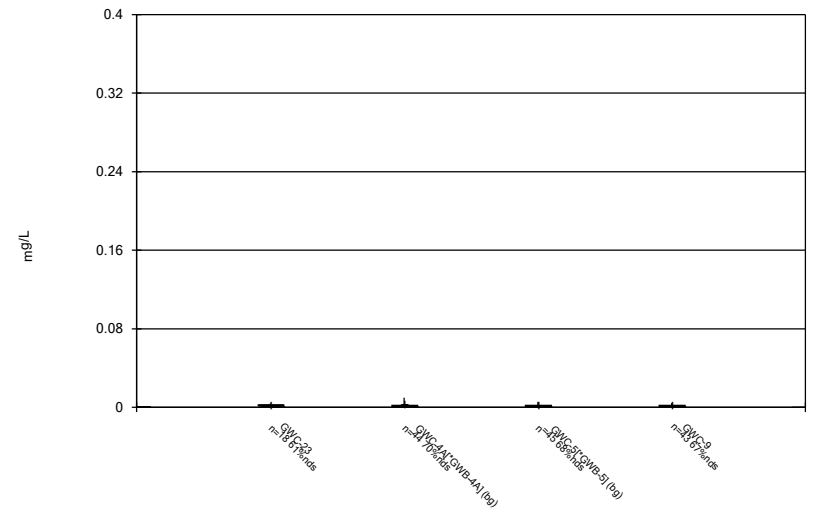
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



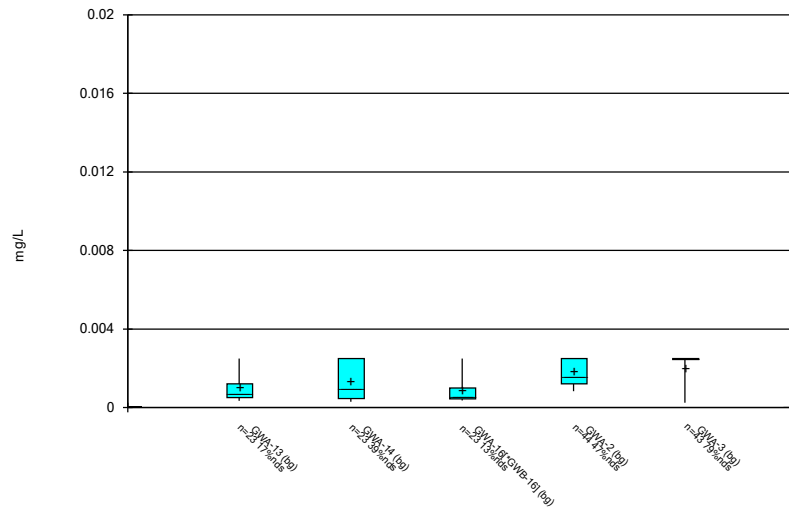
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



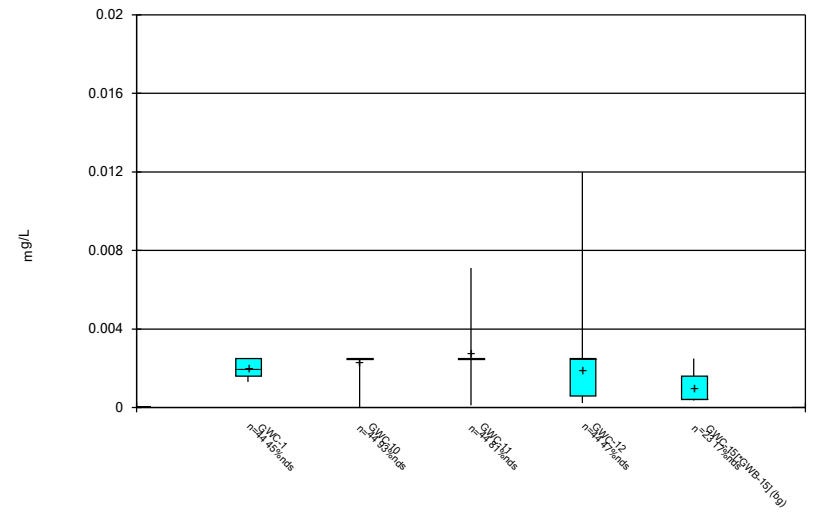
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



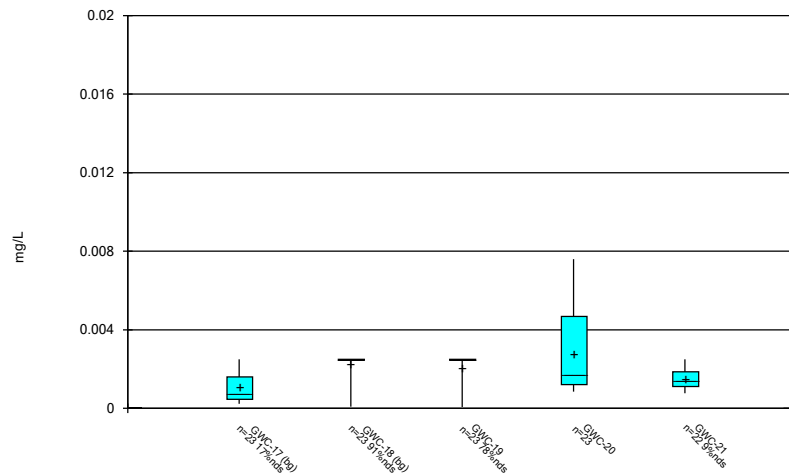
Constituent: Cobalt Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



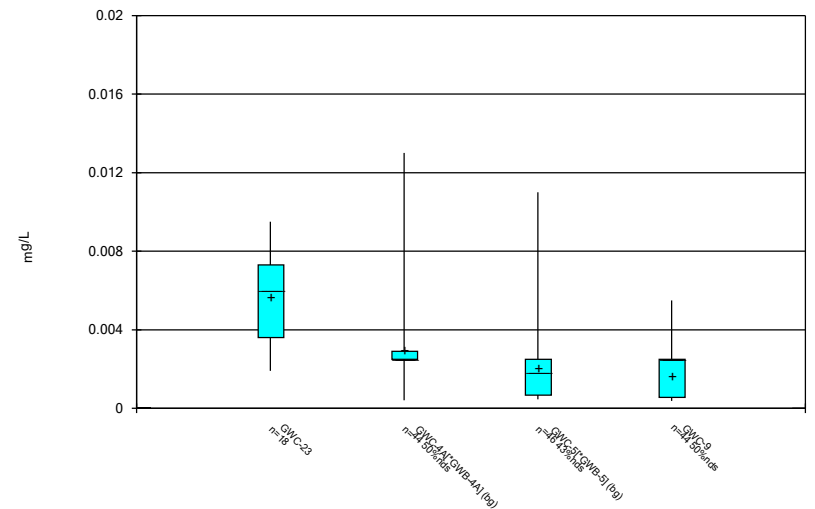
Constituent: Cobalt Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



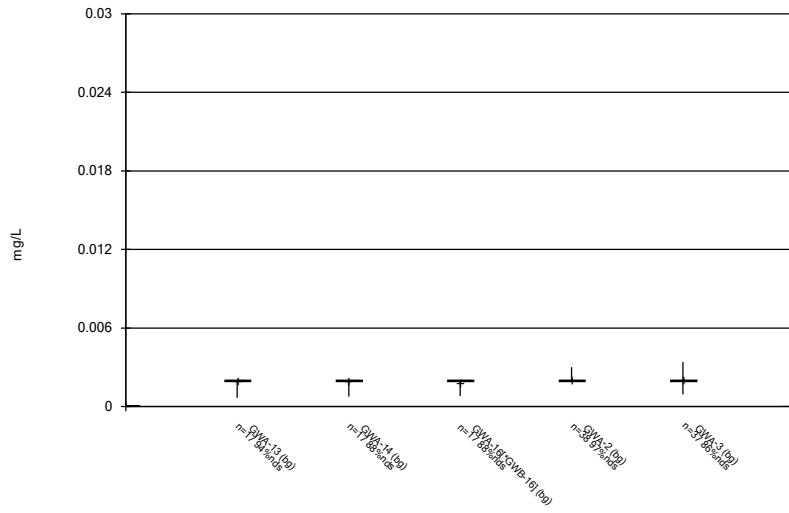
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



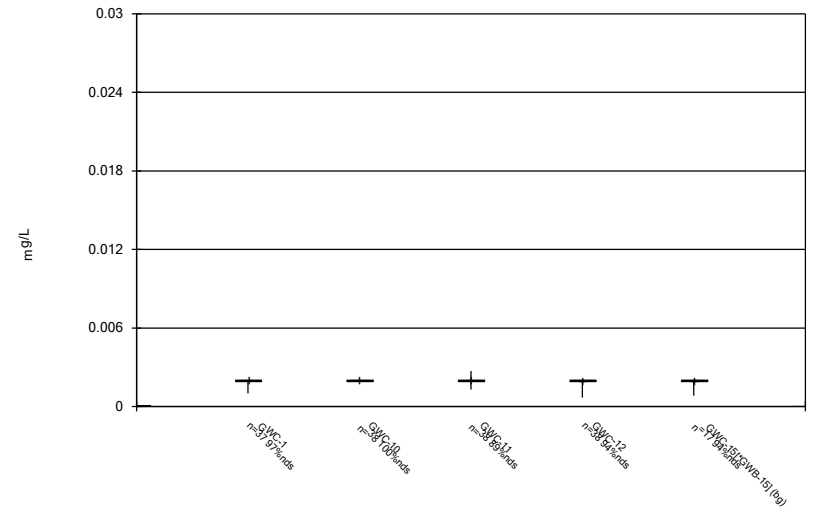
Constituent: Cobalt Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



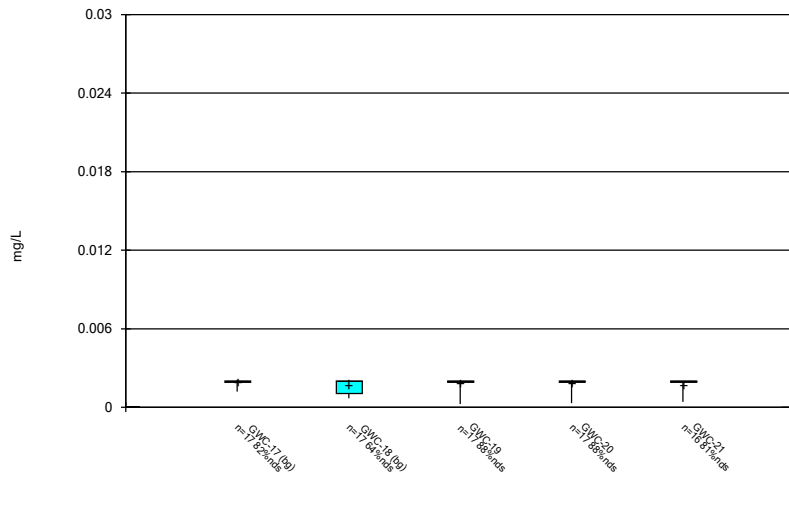
Constituent: Copper Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



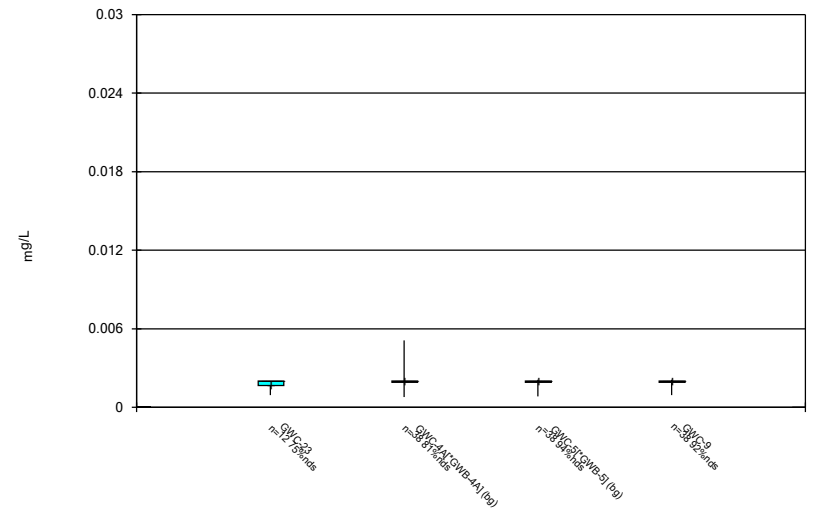
Constituent: Copper Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



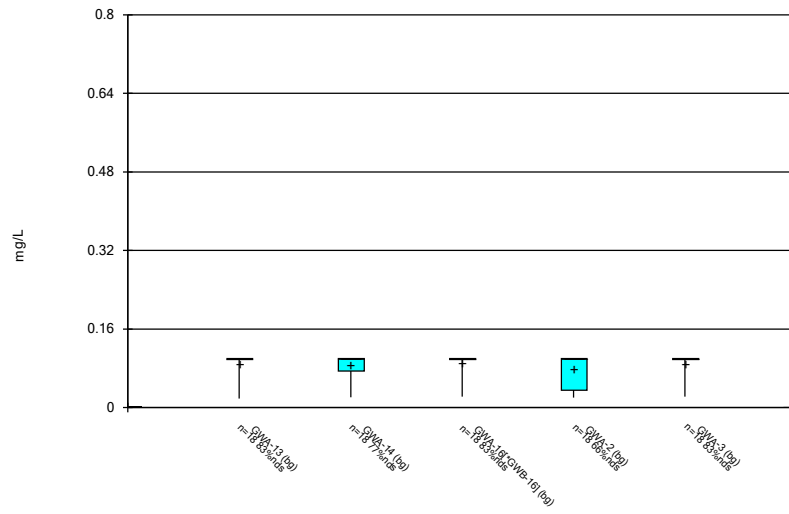
Constituent: Copper Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



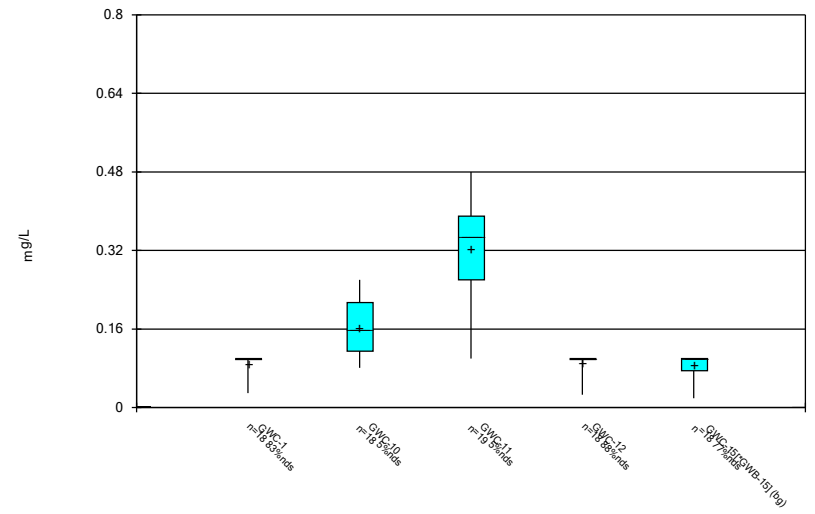
Constituent: Copper Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



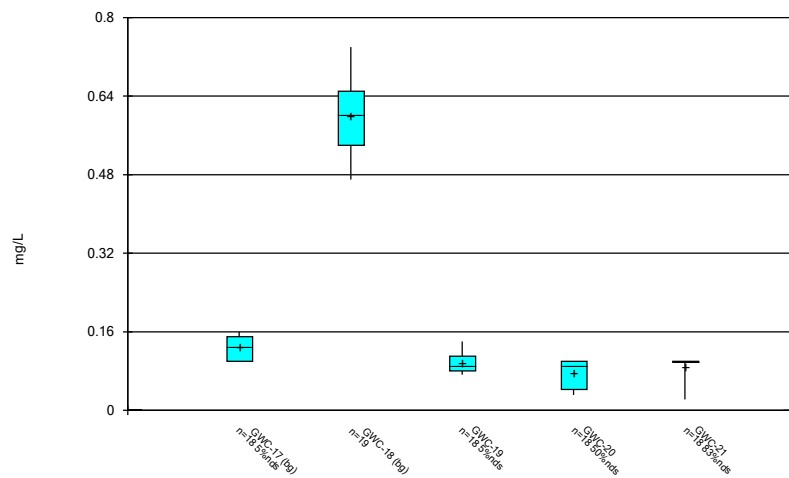
Constituent: Fluoride Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



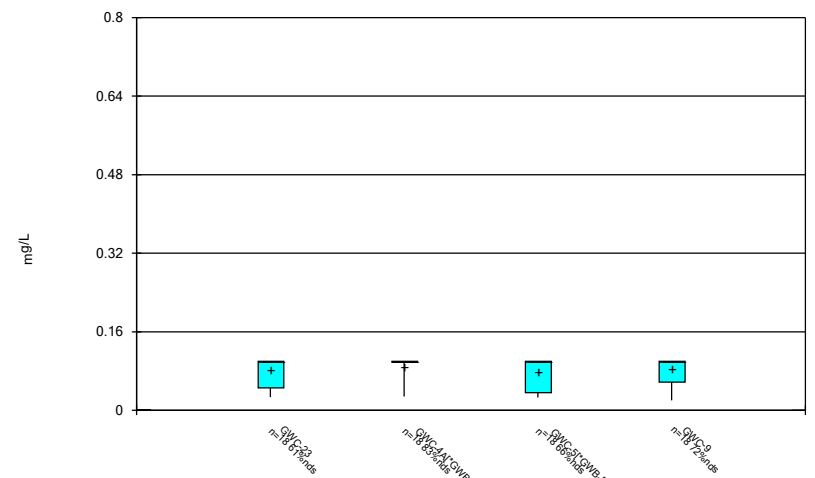
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



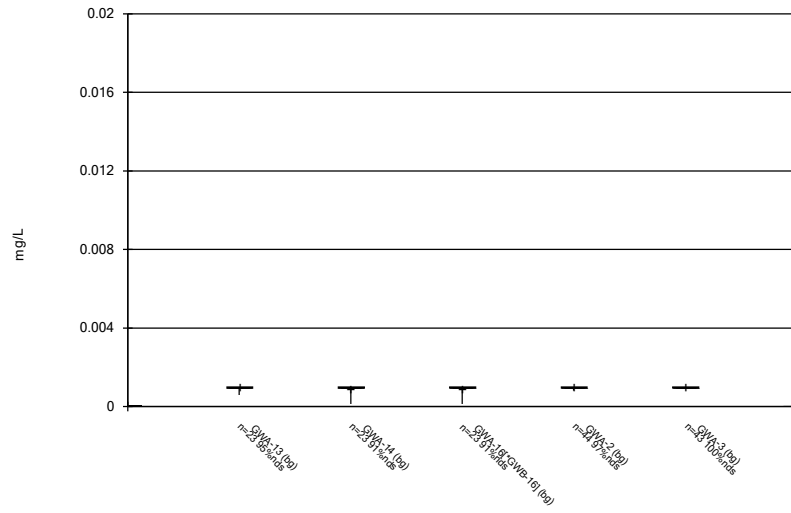
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



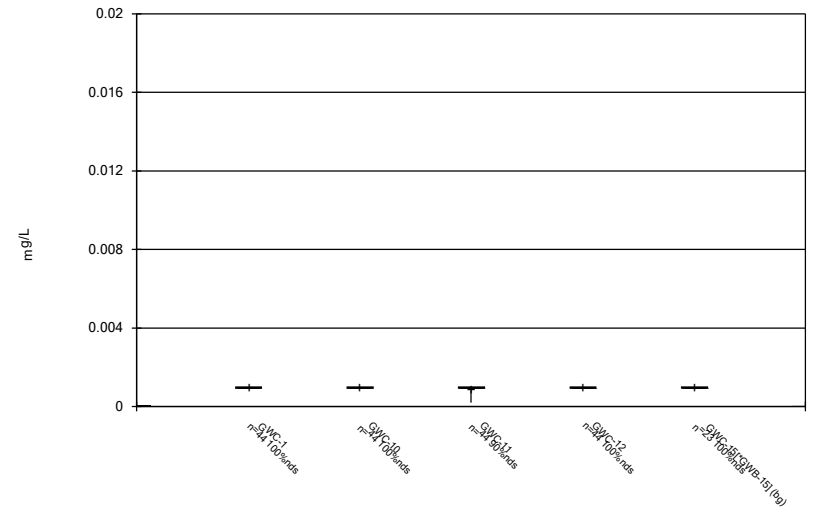
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



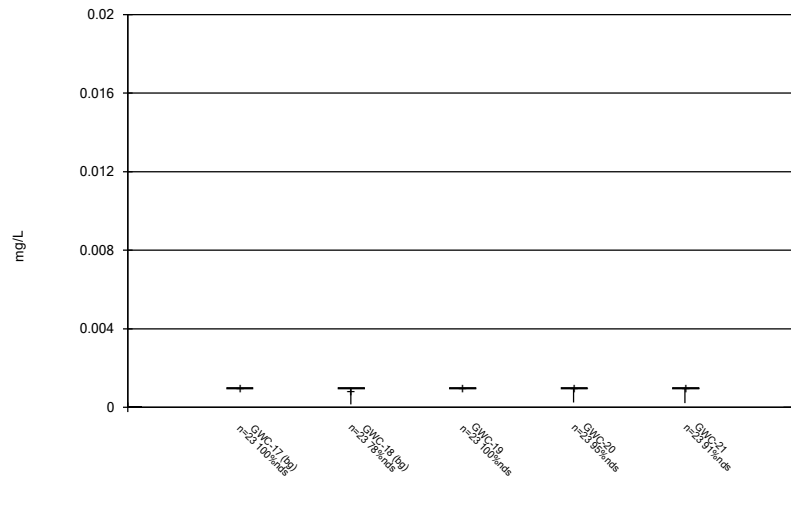
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



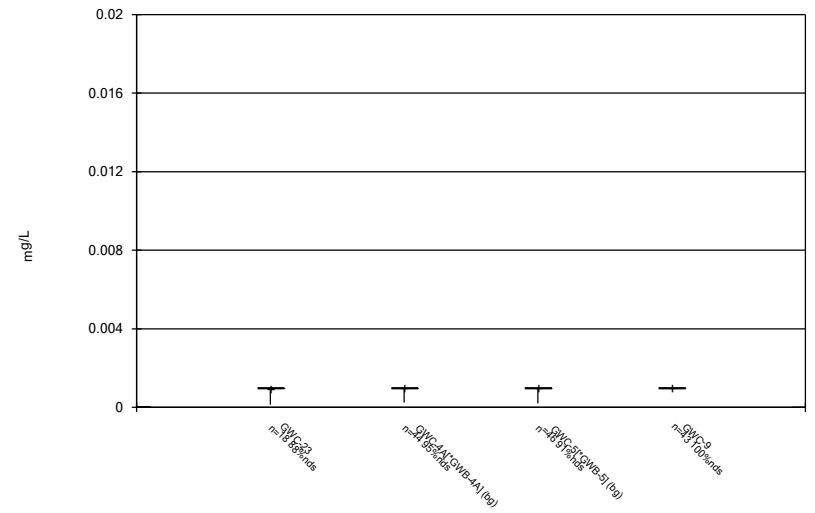
Constituent: Lead Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



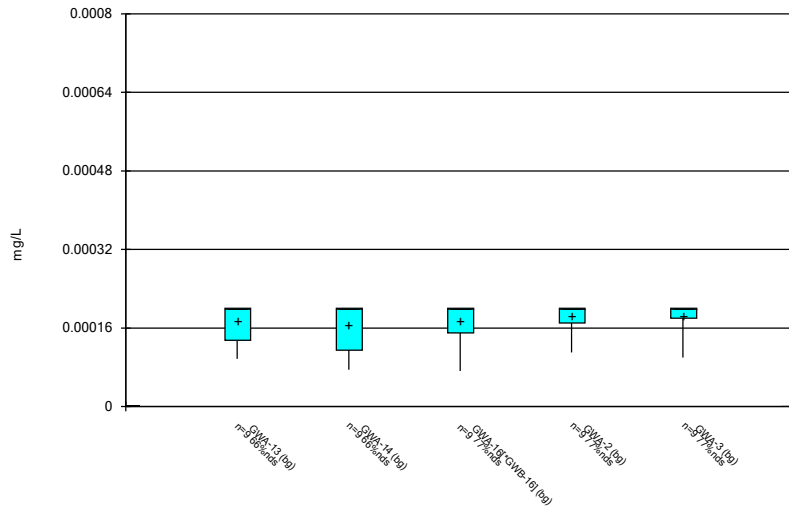
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



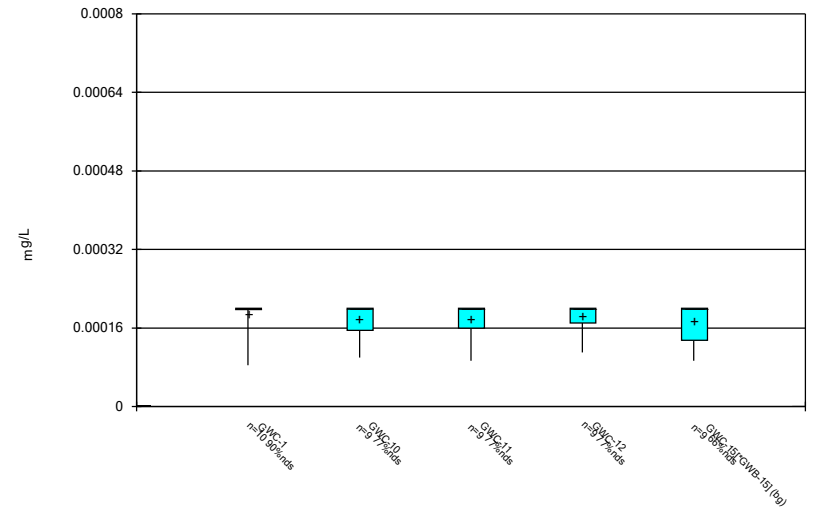
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



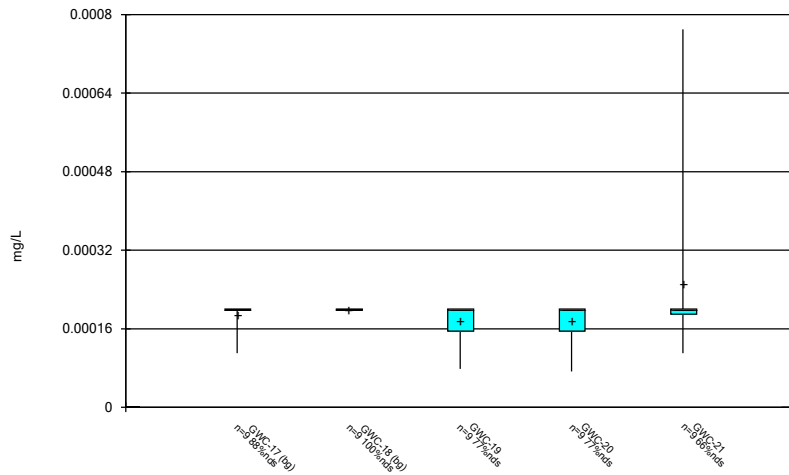
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



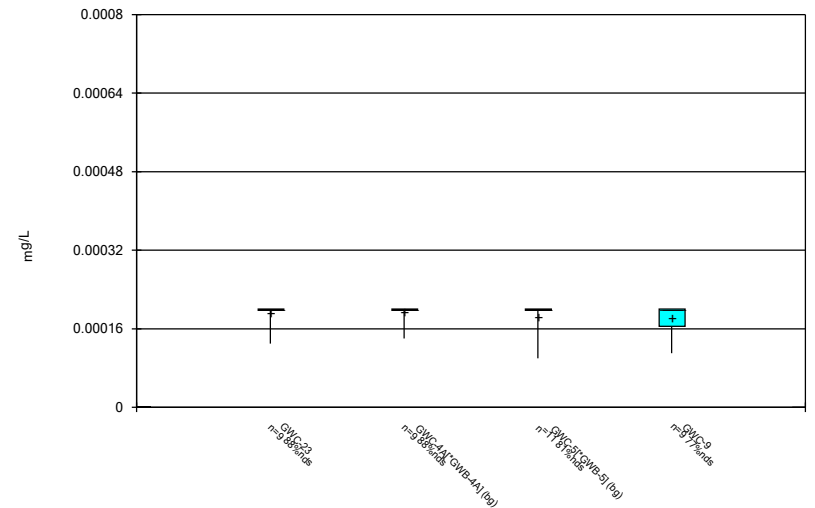
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



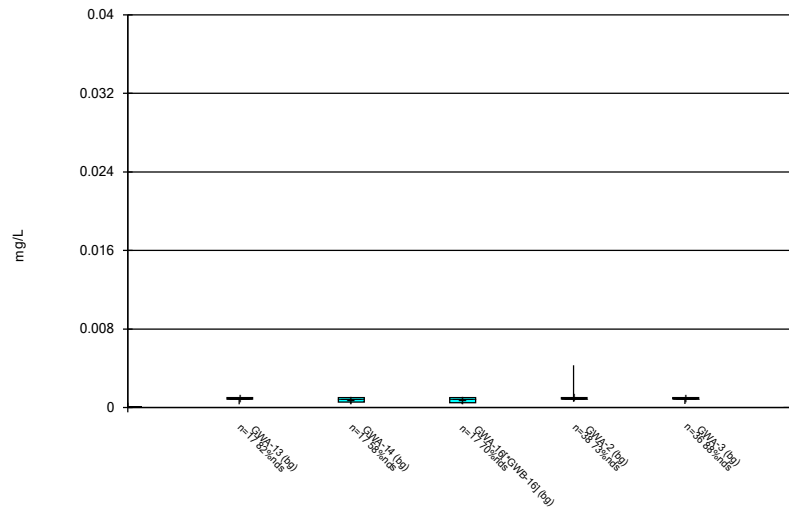
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



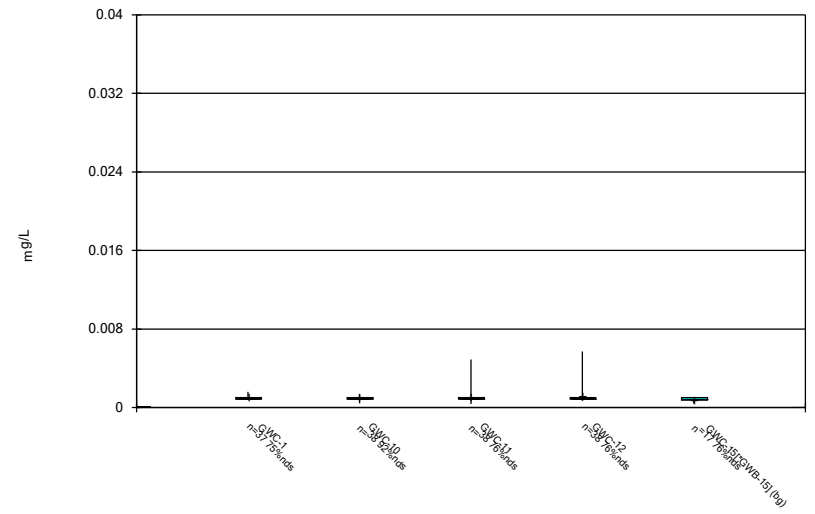
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



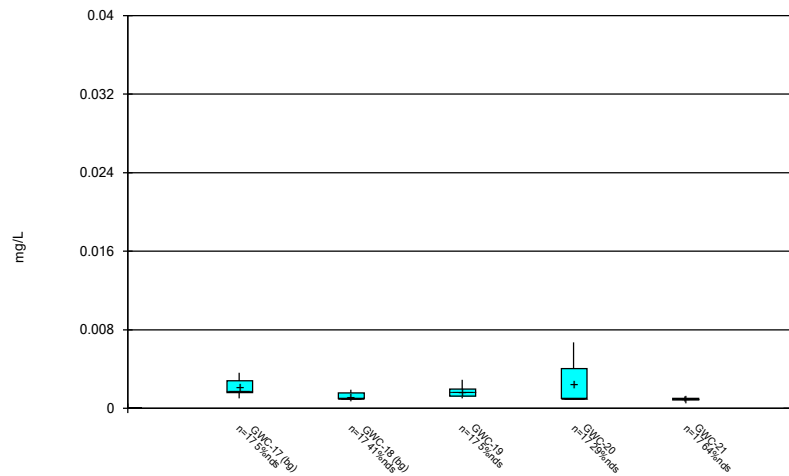
Constituent: Nickel Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



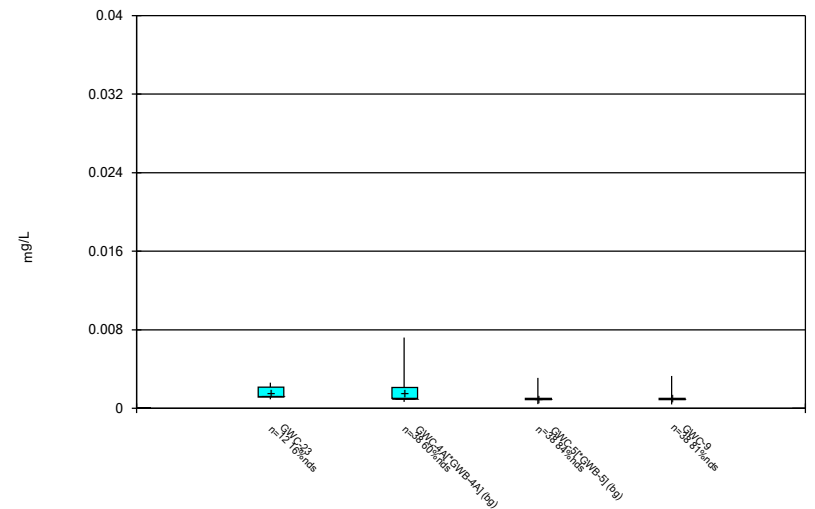
Constituent: Nickel Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Nickel Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

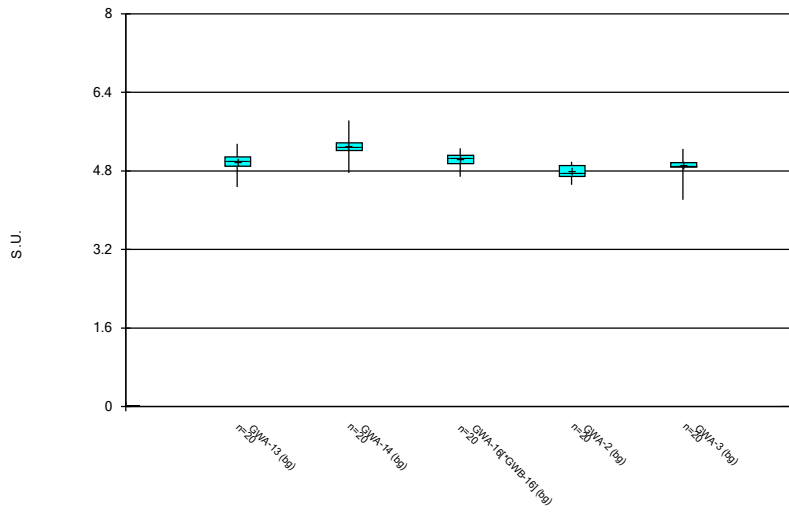
Box & Whiskers Plot



Constituent: Nickel Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

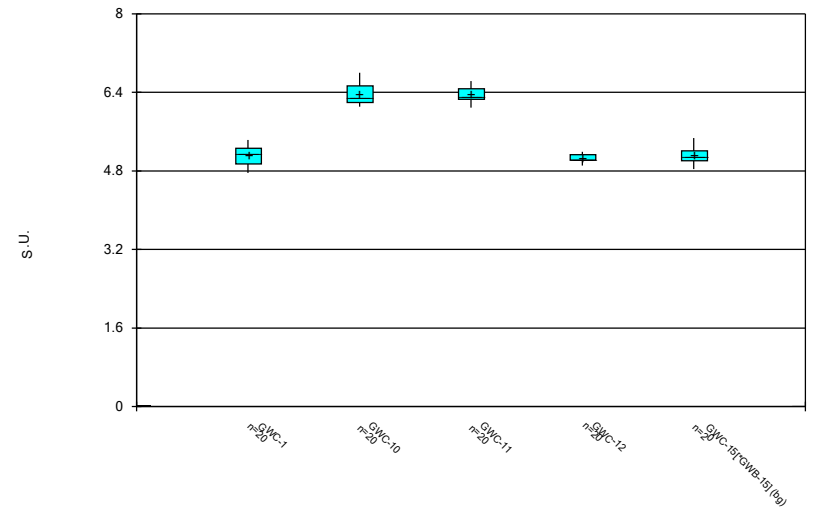


Box & Whiskers Plot



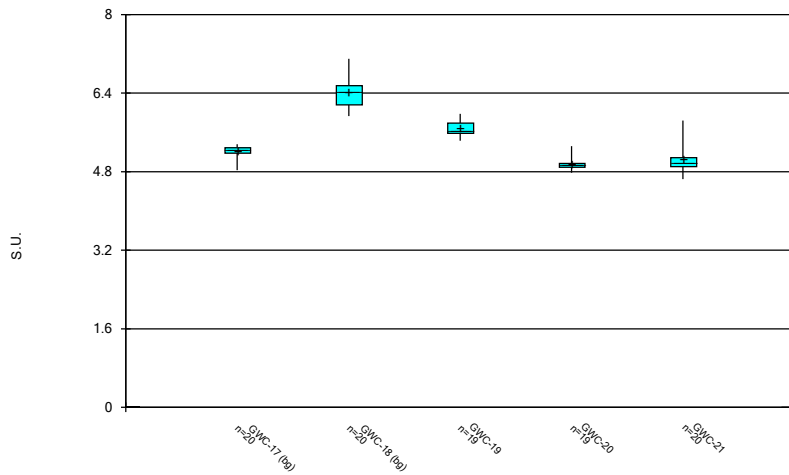
Constituent: pH Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



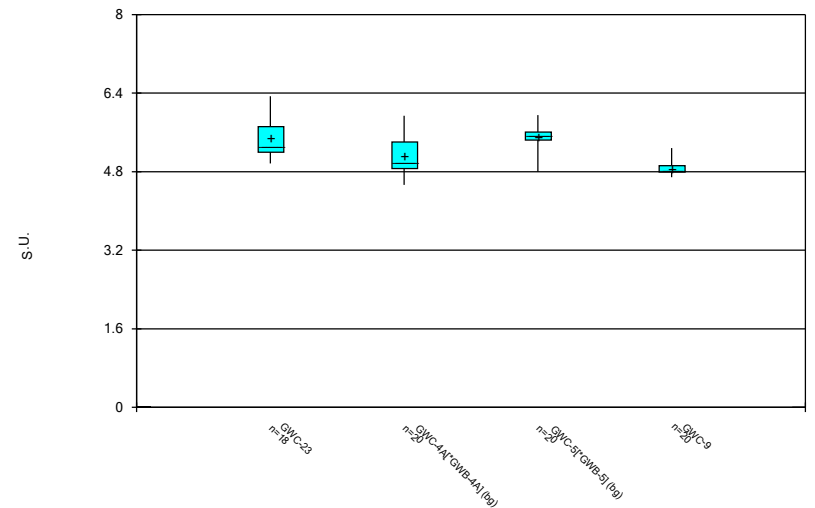
Constituent: pH Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



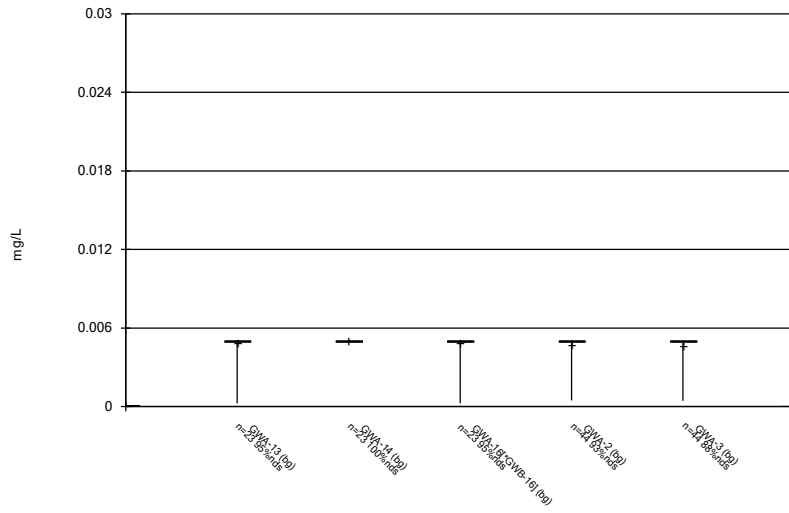
Constituent: pH Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



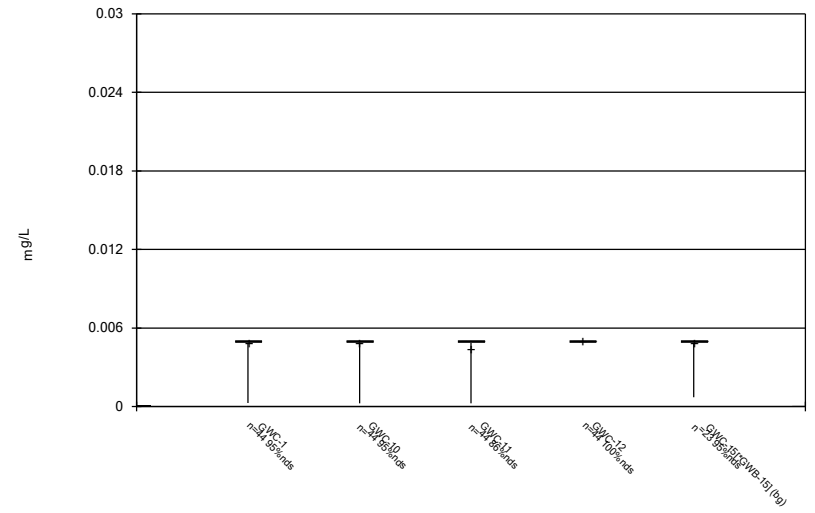
Constituent: pH Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



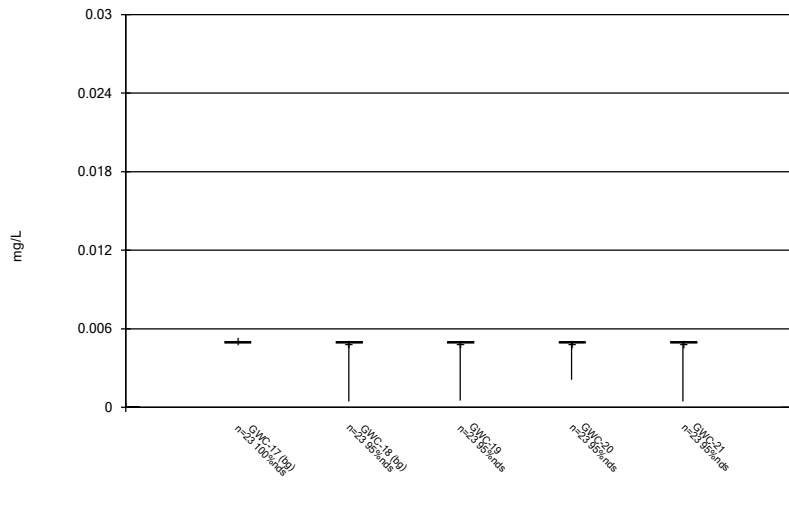
Constituent: Selenium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



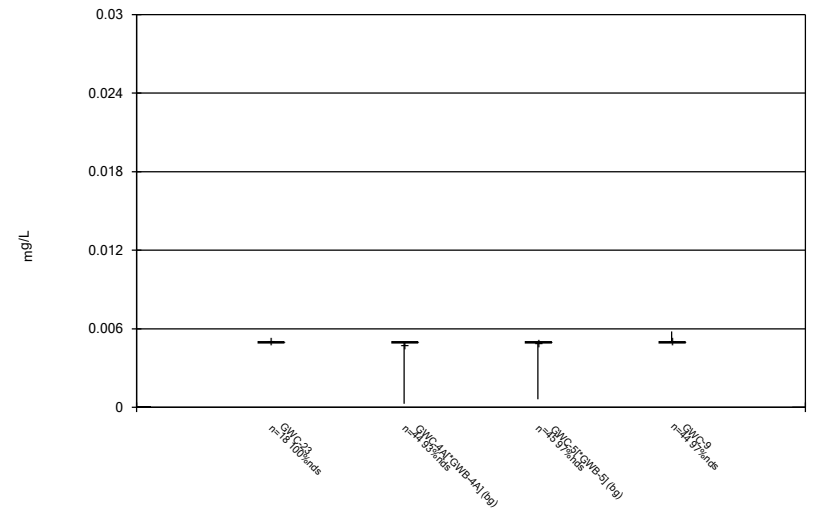
Constituent: Selenium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



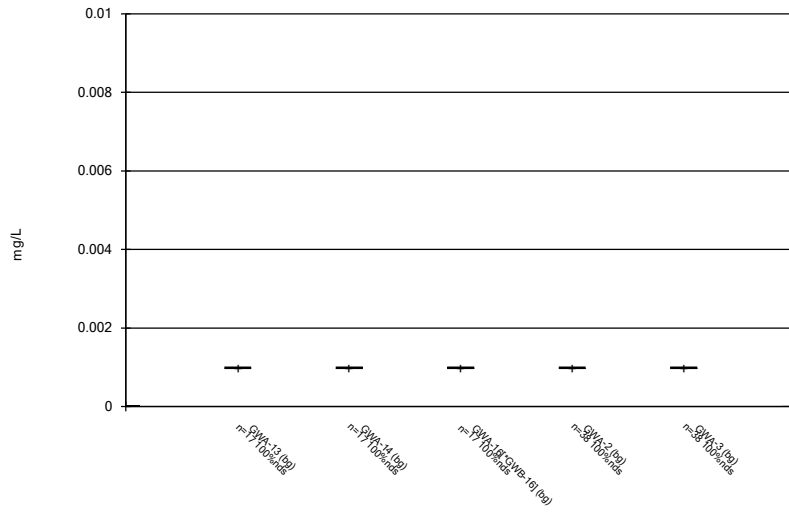
Constituent: Selenium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



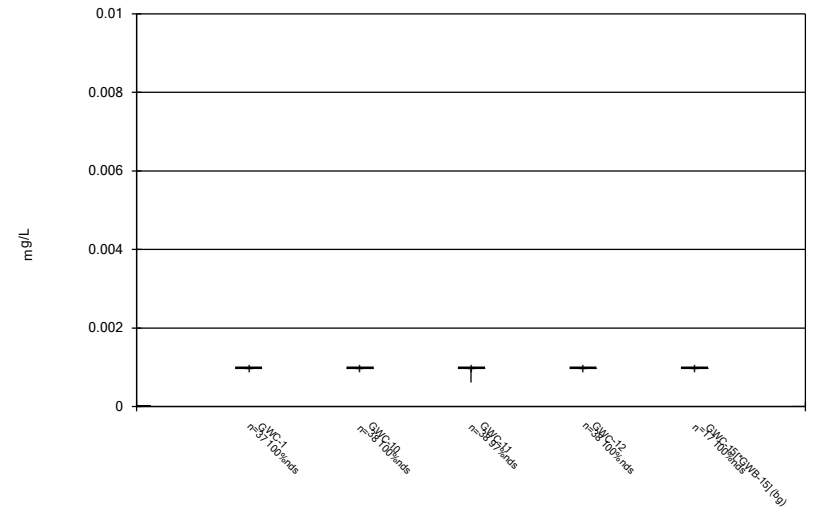
Constituent: Selenium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



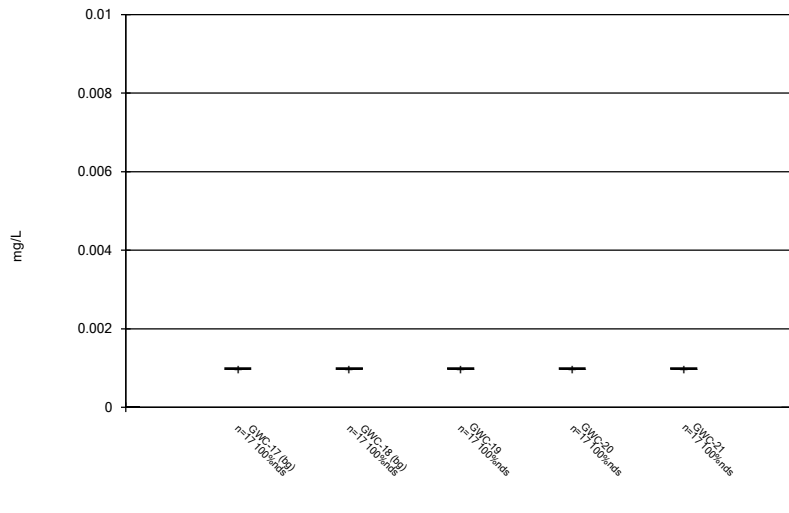
Constituent: Silver Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



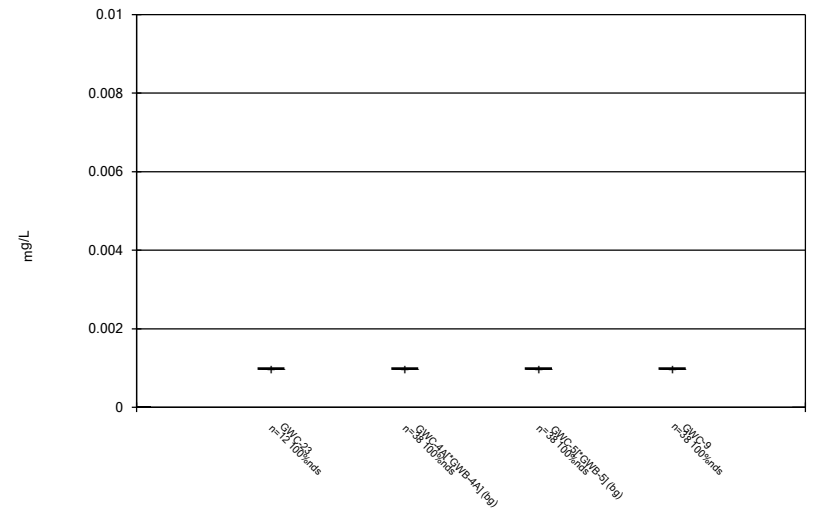
Constituent: Silver Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



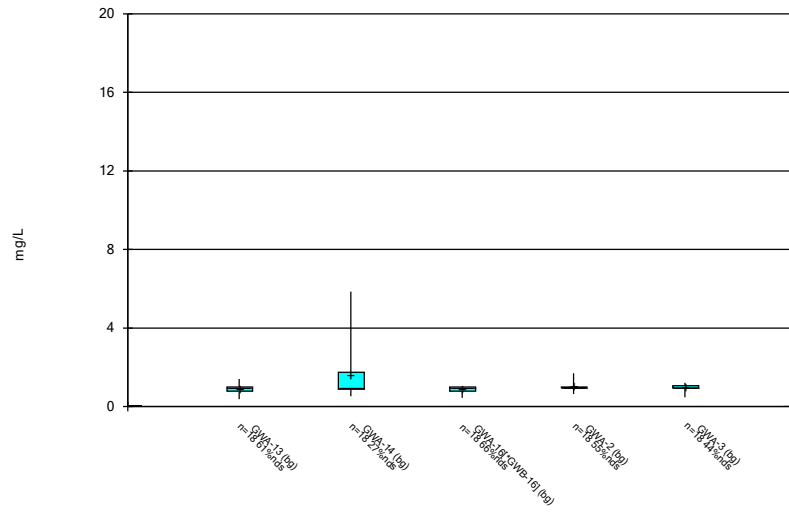
Constituent: Silver Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



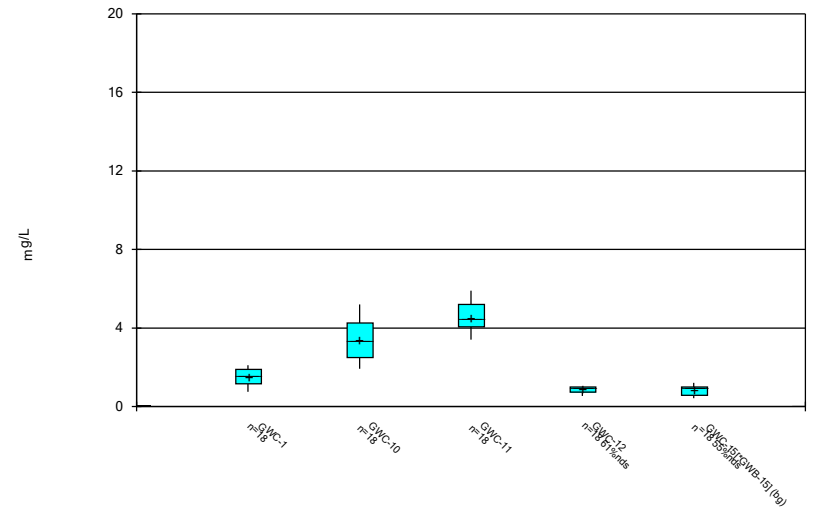
Constituent: Silver Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



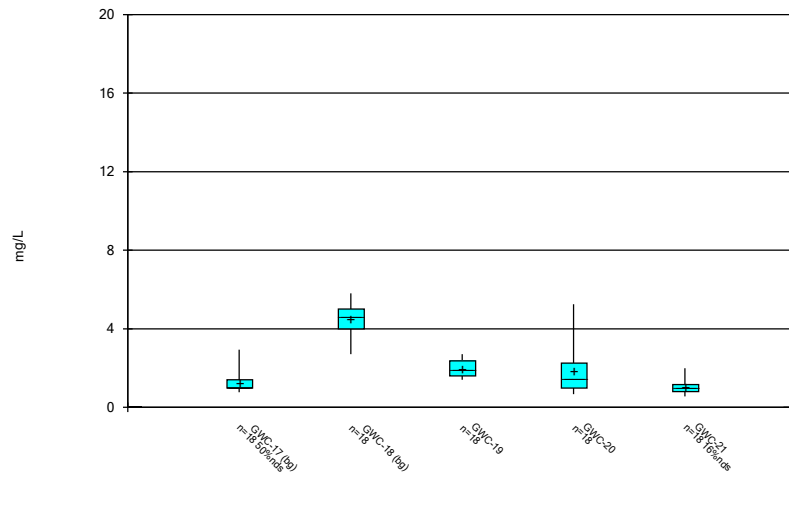
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



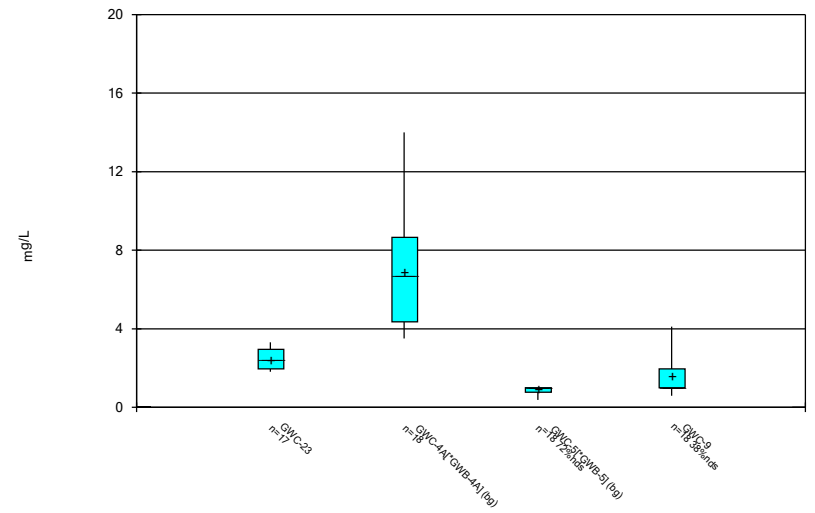
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



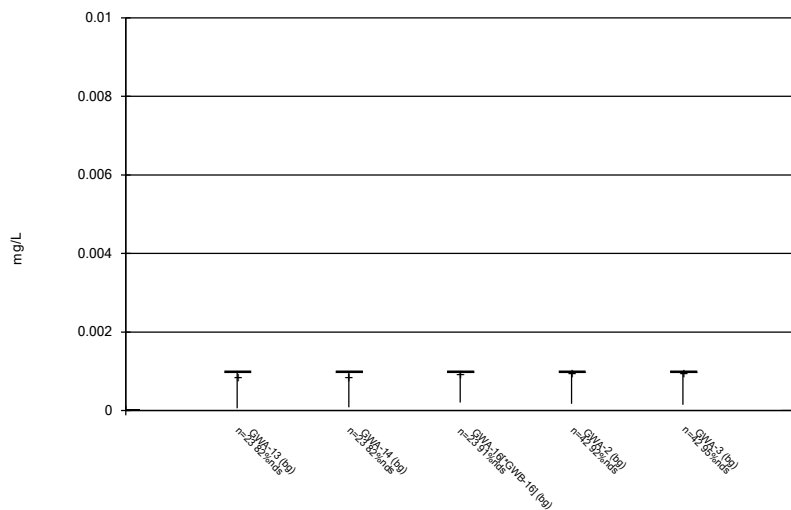
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 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



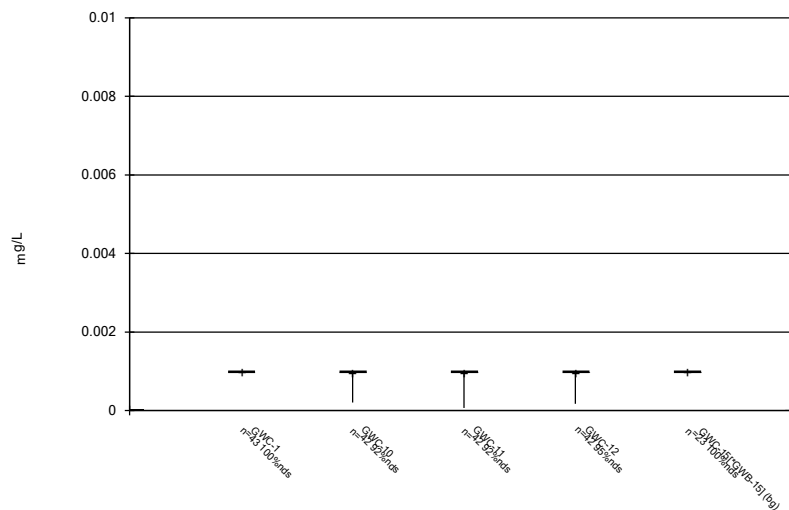
Constituent: Sulfate Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



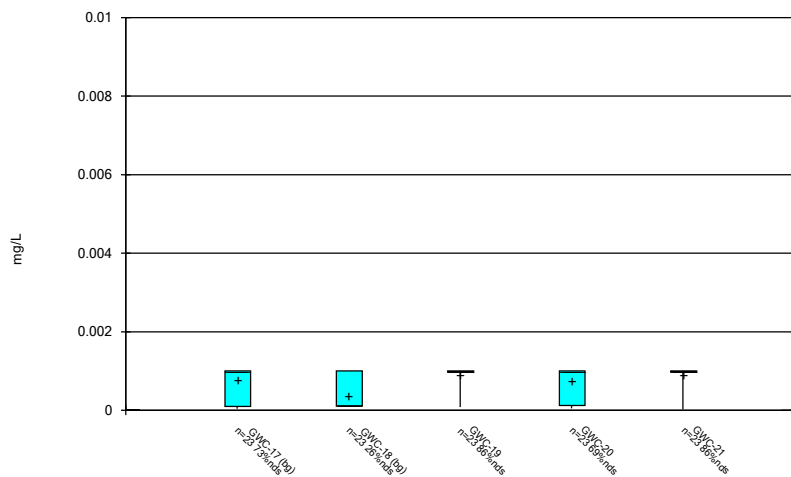
Constituent: Thallium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



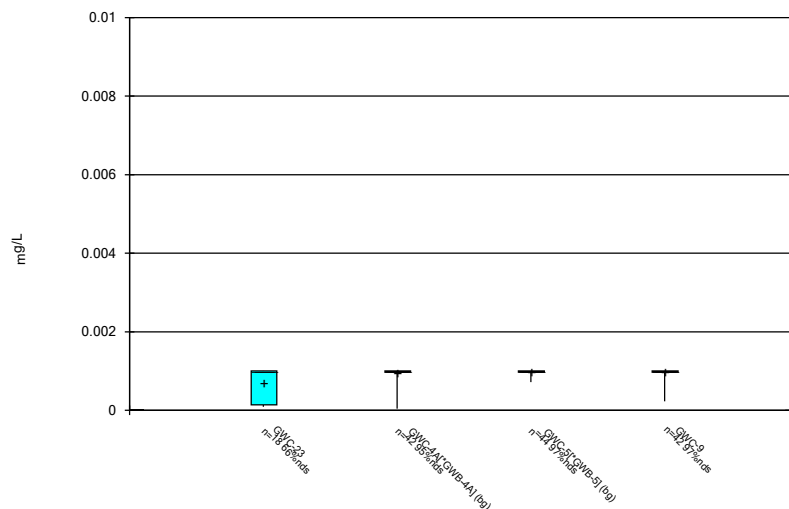
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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



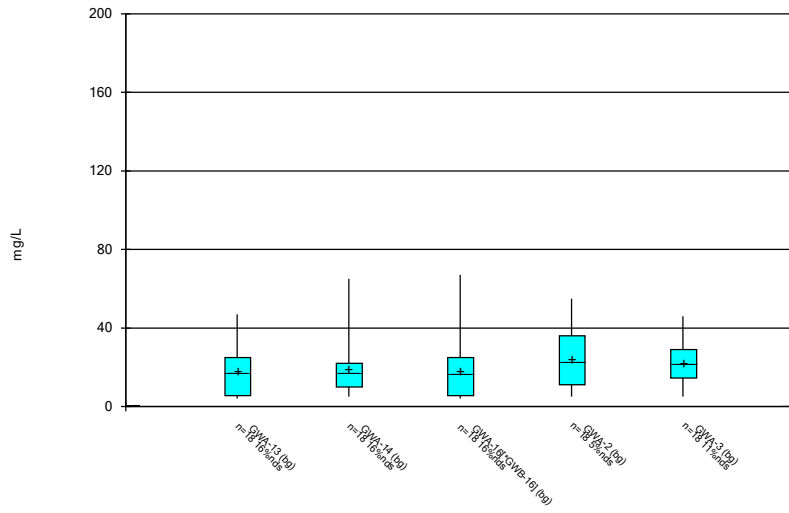
Constituent: Thallium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



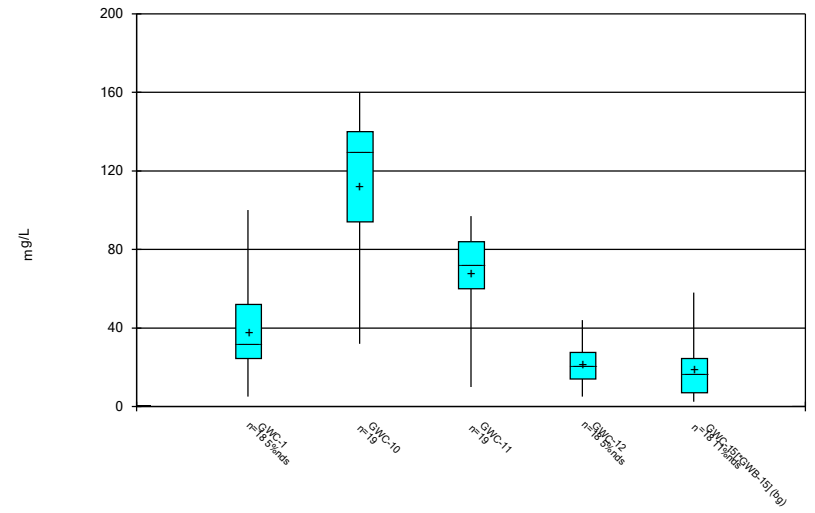
Constituent: Thallium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



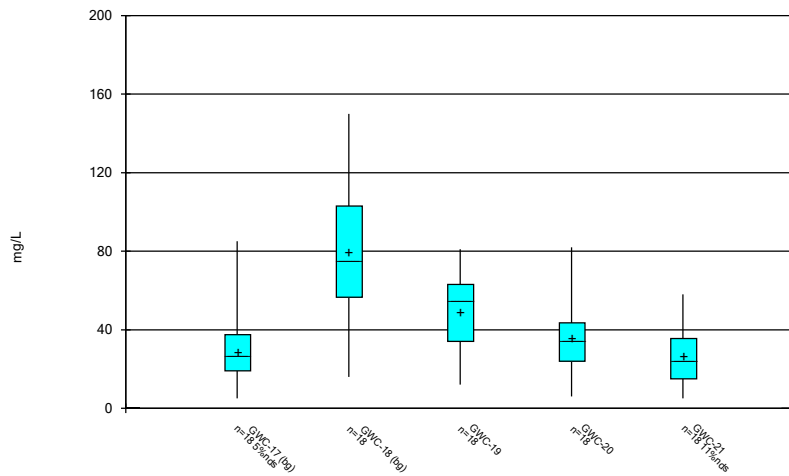
Constituent: Total Dissolved Solids Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



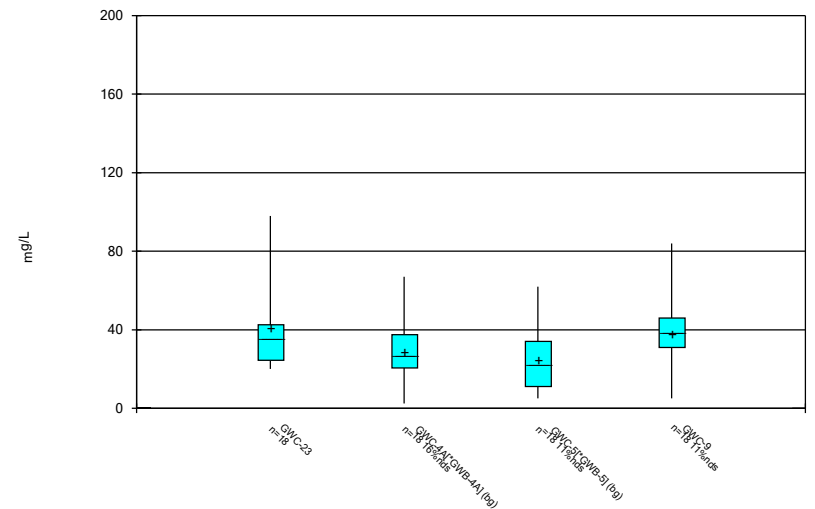
Constituent: Total Dissolved Solids Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



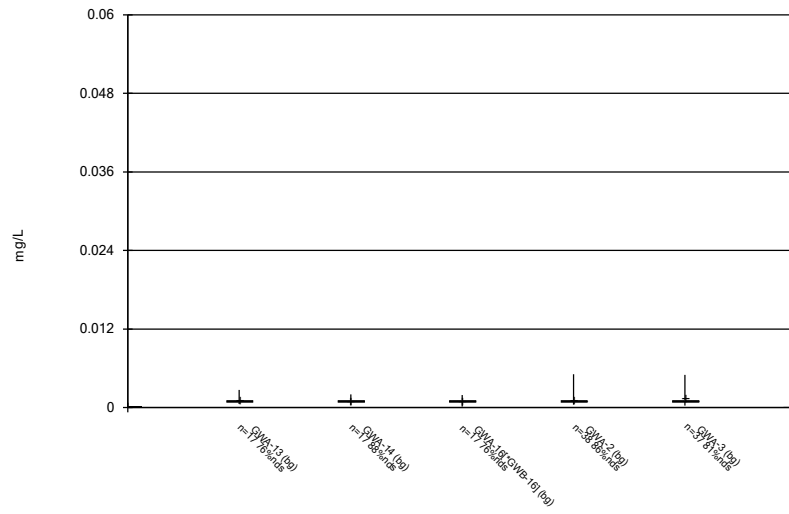
Constituent: Total Dissolved Solids Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



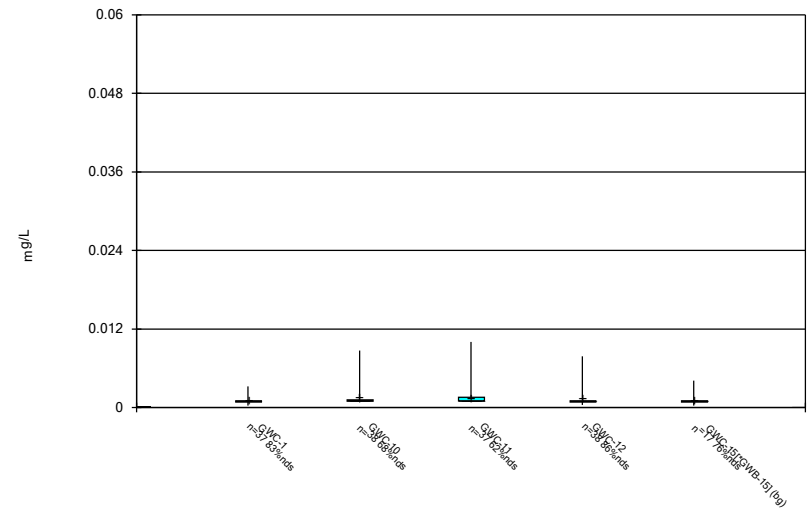
Constituent: Total Dissolved Solids Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



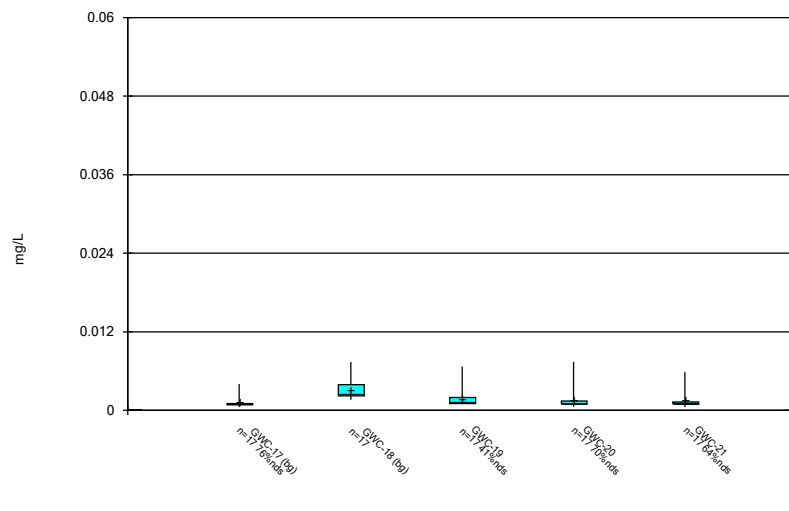
Constituent: Vanadium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



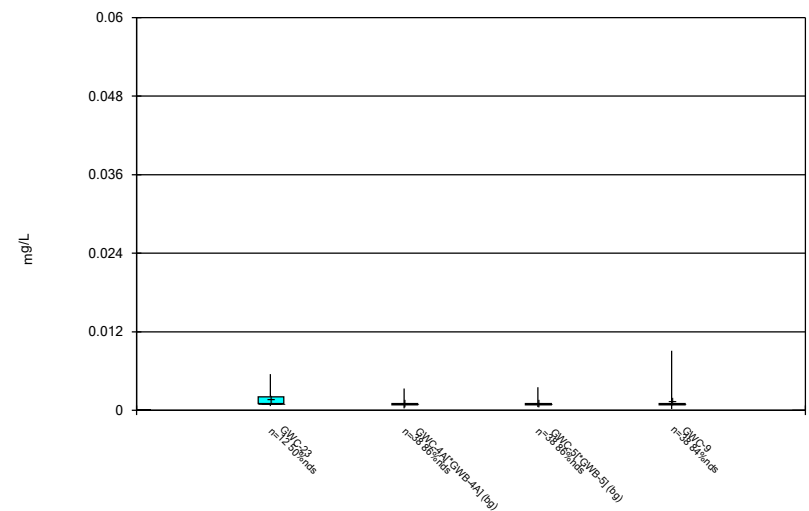
Constituent: Vanadium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



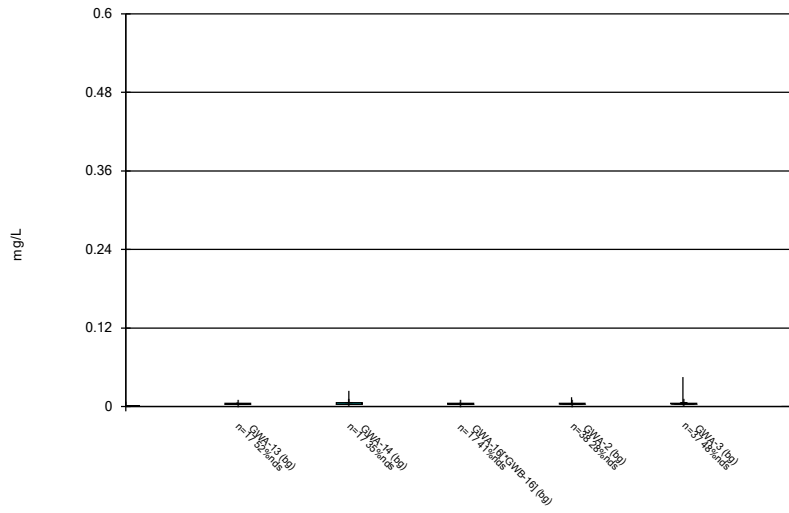
Constituent: Vanadium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



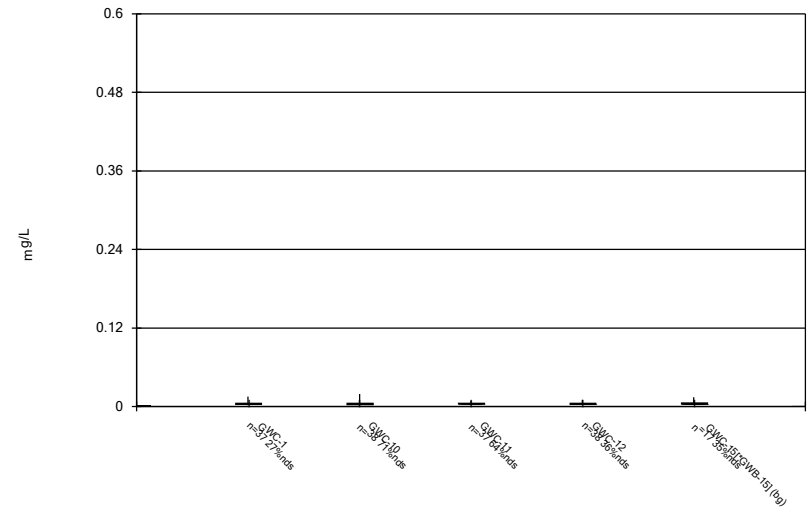
Constituent: Vanadium Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



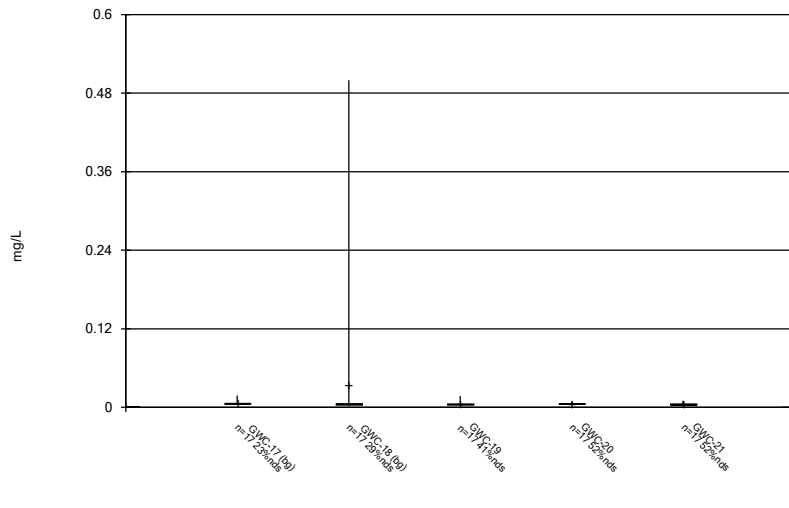
Constituent: Zinc Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



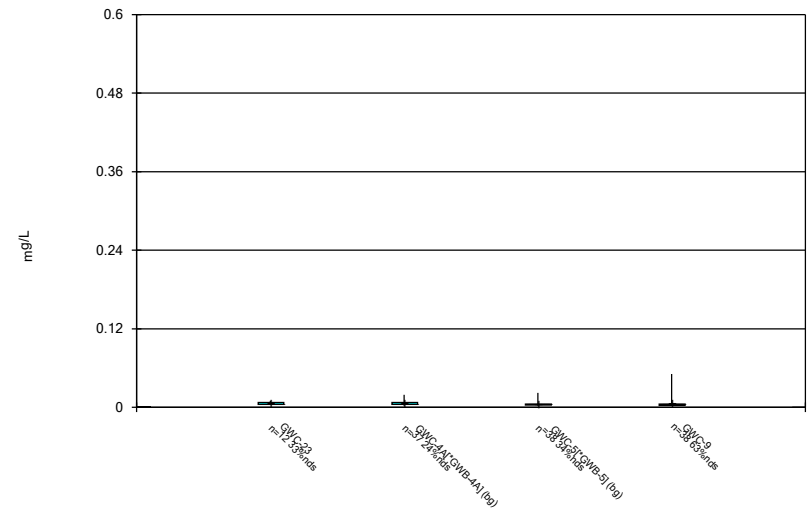
Constituent: Zinc Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 9/24/2021 2:18 AM View: Appendix I & III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



FIGURE C.



# Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/24/2021, 2:21 AM

GWC-8 Sulfate (mg/L) GWC-23 Sulfate (mg/L) GWA-3 Vanadium (mg/L) GWC-11 Vanadium (mg/L) GWA-3 Zinc (mg/L) GWC-11 Zinc (mg/L) GWC-4A/GWB-4A Zinc (mg/L)

8/25/2004  
9/11/2004  
12/7/2005  
7/6/2007  
6/20/2008  
12/7/2008  
1/5/2011  
7/11/2012  
1/19/2013  
1/14/2016  
4/20/2016  
6/16/2016  
9/27/2016  
1/24/2017

Date	GWC-8 Sulfate (mg/L)	GWC-23 Sulfate (mg/L)	GWA-3 Vanadium (mg/L)	GWC-11 Vanadium (mg/L)	GWA-3 Zinc (mg/L)	GWC-11 Zinc (mg/L)	GWC-4A/GWB-4A Zinc (mg/L)
8/25/2004							
9/11/2004							
12/7/2005						0.06 (O)	
7/6/2007							
6/20/2008				0.0093 (o)			
12/7/2008						0.041 (O)	
1/5/2011			0.056 (O)		0.057 (O)		
7/11/2012							
1/19/2013							
1/14/2016							
4/20/2016							
6/16/2016	9 (O)	9.2 (o)					
9/27/2016							
1/24/2017							

FIGURE D.

# Appendix I Intrawell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWA-13	0.01736	n/a	8/18/2021	0.018	Yes	16	0.01503	0.001248	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-2	0.036	n/a	8/17/2021	0.037	Yes	14	0.00003138	0.000007789	0	None	x^3	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-17	0.001	n/a	8/19/2021	0.0013	Yes	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005828	n/a	8/18/2021	0.0081	Yes	31	0.1507	0.01782	32.26	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-19	0.009538	n/a	8/19/2021	0.017	Yes	10	0.05943	0.01719	40	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-13	0.002	n/a	8/18/2021	0.002ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-14	0.002	n/a	8/17/2021	0.002ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-2	0.002	n/a	8/17/2021	0.002ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.0022	n/a	8/17/2021	0.002ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.002	n/a	8/19/2021	0.002ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-13	0.001	n/a	8/18/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-14	0.001	n/a	8/17/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-16[*GWB-16]	0.001	n/a	8/17/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.001	n/a	8/17/2021	0.001ND	No	36	n/a	n/a	94.44	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-1	0.001	n/a	8/18/2021	0.0004J	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0013	n/a	8/18/2021	0.00045J	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	8/18/2021	0.0013	No	37	n/a	n/a	70.27	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.001	n/a	8/18/2021	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15[*GWB-15]	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-17	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001229	n/a	8/19/2021	0.00059J	No	16	0.0008124	0.0002231	31.25	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-19	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-21	0.0022	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001734	n/a	8/19/2021	0.001ND	No	11	0.02695	0.006873	45.45	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-4A[*GWB-4A]	0.0027	n/a	8/19/2021	0.001ND	No	37	n/a	n/a	75.68	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5[*GWB-5]	0.0027	n/a	8/19/2021	0.001ND	No	39	n/a	n/a	94.87	n/a	n/a	0.0008849	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.001	n/a	8/19/2021	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
<b>Barium (mg/L)</b>	<b>GWA-13</b>	<b>0.01736</b>	<b>n/a</b>	<b>8/18/2021</b>	<b>0.018</b>	<b>Yes</b>	<b>16</b>	<b>0.01503</b>	<b>0.001248</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Barium (mg/L)	GWA-14	0.018	n/a	8/17/2021	0.014	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWA-16[*GWB-16]	0.02941	n/a	8/17/2021	0.024	No	16	0.02437	0.002701	0	None	No	0.0003901	Param Intra 1 of 3
<b>Barium (mg/L)</b>	<b>GWA-2</b>	<b>0.036</b>	<b>n/a</b>	<b>8/17/2021</b>	<b>0.037</b>	<b>Yes</b>	<b>14</b>	<b>0.00003138</b>	<b>0.000007789</b>	<b>0</b>	<b>None</b>	<b>x^3</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Barium (mg/L)	GWA-3	0.02553	n/a	8/17/2021	0.015	No	34	0.1258	0.02092	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-1	0.05613	n/a	8/18/2021	0.034	No	18	0.04063	0.008527	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.03867	n/a	8/18/2021	0.018	No	37	-3.803	0.3426	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.026	n/a	8/18/2021	0.011	No	36	n/a	n/a	0	n/a	n/a	0.000111	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.01492	n/a	8/18/2021	0.01	No	37	0.01205	0.001788	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-15[*GWB-15]	0.02811	n/a	8/19/2021	0.022	No	16	0.0247	0.001826	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-17	0.02102	n/a	8/19/2021	0.017	No	16	0.01799	0.001626	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.05567	n/a	8/19/2021	0.013	No	16	0.02955	0.01398	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.057	n/a	8/19/2021	0.0095J	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-20	0.04774	n/a	8/19/2021	0.017	No	16	-3.606	0.3019	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-21	0.02848	n/a	8/19/2021	0.018	No	16	-4.006	0.2397	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.08327	n/a	8/19/2021	0.019	No	11	0.05264	0.01433	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-4A[*GWB-4A]	0.03562	n/a	8/19/2021	0.013	No	37	0.02411	0.007165	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-5[*GWB-5]	0.06741	n/a	8/19/2021	0.038	No	19	0.04233	0.014	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.03144	n/a	8/19/2021	0.024	No	37	0.02404	0.004605	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWA-13	0.0025	n/a	8/18/2021	0.0025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-14	0.0025	n/a	8/17/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	8/17/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	n/a	8/17/2021	0.00018J	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-3	0.0025	n/a	8/17/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-1	0.0025	n/a	8/18/2021	0.00018J	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0025	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.0025	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0025	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-17	0.0006922	n/a	8/19/2021	0.00057J	No	15	0.000572	0.00006281	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWC-18	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-20	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.0025	n/a	8/19/2021	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	8/19/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5[*GWB-5]	0.0025	n/a	8/19/2021	0.0025ND	No	39	n/a	n/a	92.31	n/a	n/a	0.0008849	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0025	n/a	8/19/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-13	0.0025	n/a	8/18/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-14	0.0025	n/a	8/17/2021	0.00036J	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	8/17/2021	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-17	0.000773	n/a	8/19/2021	0.00057J	No	16	0.0005946	0.00009557	0	None	No	0.0003901	Param Intra 1 of 3
Cadmium (mg/L)	GWC-18	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-19	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-20	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-21	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-23	0.0025	n/a	8/19/2021	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	8/19/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-13	0.0094	n/a	8/18/2021	0.002ND	No	14	n/a	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-14	0.0047	n/a	8/17/2021	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-16[*GWB-16]	0.003104	n/a	8/17/2021	0.0019J	No	15	0.03555	0.01054	46.67	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-2	0.002707	n/a	8/17/2021	0.0016J	No	36	0.03983	0.007574	22.22	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-3	0.002978	n/a	8/17/2021	0.0015J	No	36	-6.609	0.4922	33.33	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-1	0.005	n/a	8/18/2021	0.0018J	No	37	n/a	n/a	35.14	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-10	0.01	n/a	8/18/2021	0.0026	No	37	n/a	n/a	24.32	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.009367	n/a	8/18/2021	0.004	No	37	0.005969	0.002115	2.703	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-12	0.01	n/a	8/18/2021	0.0037	No	37	n/a	n/a	21.62	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-15[*GWB-15]	0.0051	n/a	8/19/2021	0.002ND	No	15	n/a	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-17	0.01	n/a	8/19/2021	0.0027	No	15	n/a	n/a	33.33	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-18	0.004525	n/a	8/19/2021	0.0025	No	15	-6.131	0.3833	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-19	0.00396	n/a	8/19/2021	0.0015J	No	15	-6.281	0.3916	13.33	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-20	0.005	n/a	8/19/2021	0.0018J	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.0044	n/a	8/19/2021	0.002ND	No	14	n/a	n/a	85.71	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-23	0.0025	n/a	8/19/2021	0.0023	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-4A[*GWB-4A]	0.0096	n/a	8/19/2021	0.002ND	No	37	n/a	n/a	67.57	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5[*GWB-5]	0.0054	n/a	8/19/2021	0.002ND	No	38	n/a	n/a	65.79	n/a	n/a	0.0000958	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-9	0.0043	n/a	8/19/2021	0.002ND	No	36	n/a	n/a	63.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-13	0.002313	n/a	8/18/2021	0.00058J	No	16	0.0307	0.009318	12.5	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-14	0.0025	n/a	8/17/2021	0.00048J	No	16	n/a	n/a	43.75	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWA-16[*GWB-16]	0.001798	n/a	8/17/2021	0.00043J	No	16	-7.257	0.5015	6.25	None	ln(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-2	0.01	n/a	8/17/2021	0.0015J	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0025	n/a	8/17/2021	0.00039J	No	36	n/a	n/a	88.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-1	0.0025	n/a	8/18/2021	0.0018J	No	37	n/a	n/a	51.35	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.0025	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.0071	n/a	8/18/2021	0.0025ND	No	37	n/a	n/a	81.08	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.012	n/a	8/18/2021	0.00065J	No	37	n/a	n/a	54.05	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	8/19/2021	0.0004J	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-17	0.002397	n/a	8/19/2021	0.00023J	No	16	0.001142	0.0006723	12.5	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-18	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.0025	n/a	8/19/2021	0.0025ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-20	0.007687	n/a	8/19/2021	0.00088J	No	16	0.003524	0.00223	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-21	0.002328	n/a	8/19/2021	0.00077J	No	15	0.001647	0.0003563	6.667	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-23	0.01056	n/a	8/19/2021	0.0025	No	11	0.006409	0.001944	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-4A[*GWB-4A]	0.013	n/a	8/19/2021	0.0013J	No	37	n/a	n/a	59.46	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5[*GWB-5]	0.011	n/a	8/19/2021	0.00079J	No	39	n/a	n/a	51.28	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.0055	n/a	8/19/2021	0.00063J	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-13	0.002	n/a	8/18/2021	0.002ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-14	0.002	n/a	8/17/2021	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-16[*GWB-16]	0.002	n/a	8/17/2021	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-2	0.003	n/a	8/17/2021	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0034	n/a	8/17/2021	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-1	0.002	n/a	8/18/2021	0.002ND	No	30	n/a	n/a	100	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.0027	n/a	8/18/2021	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.002	n/a	8/18/2021	0.00096J	No	31	n/a	n/a	100	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15[*GWB-15]	0.002	n/a	8/19/2021	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.0021	n/a	8/19/2021	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-18	0.002	n/a	8/19/2021	0.00089J	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-19	0.002	n/a	8/19/2021	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.002	n/a	8/19/2021	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-21	0.002	n/a	8/19/2021	0.002ND	No	9	n/a	n/a	77.78	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	n/a	8/19/2021	0.0013J	No	5	n/a	n/a	80	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	8/19/2021	0.00087J	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5[*GWB-5]	0.0021	n/a	8/19/2021	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0021	n/a	8/19/2021	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-13	0.001	n/a	8/18/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-14	0.001	n/a	8/17/2021	0.00021J	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-16[*GWB-16]	0.001	n/a	8/17/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-2	0.001	n/a	8/17/2021	0.00081J	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.001	n/a	8/18/2021	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.001	n/a	8/19/2021	0.00037J	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-21	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-23	0.001	n/a	8/19/2021	0.001ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	8/19/2021	0.001ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5[*GWB-5]	0.001	n/a	8/19/2021	0.001ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-13	0.001	n/a	8/18/2021	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-14	0.0025	n/a	8/17/2021	0.00061J	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-16[*GWB-16]	0.001	n/a	8/17/2021	0.00052J	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-2	0.0043	n/a	8/17/2021	0.00097J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.001	n/a	8/17/2021	0.00047J	No	29	n/a	n/a	100	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-1	0.0025	n/a	8/18/2021	0.0014	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-10	0.0013	n/a	8/18/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.0049	n/a	8/18/2021	0.00034J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.0057	n/a	8/18/2021	0.00097J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-15[*GWB-15]	0.001	n/a	8/19/2021	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-17	0.004116	n/a	8/19/2021	0.0017	No	10	0.00261	0.0006773	10	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-18	0.0021	n/a	8/19/2021	0.0011	No	10	0.001687	0.0001857	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-19	0.002889	n/a	8/19/2021	0.0012	No	10	0.0019	0.0004447	0	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-20	0.006567	n/a	8/19/2021	0.00092J	No	10	0.003595	0.001337	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-21	0.0025	n/a	8/19/2021	0.00067J	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-23	0.004782	n/a	8/19/2021	0.0013	No	5	0.001907	0.0006403	20	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-4A[*GWB-4A]	0.0072	n/a	8/19/2021	0.00065J	No	31	n/a	n/a	74.19	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5[*GWB-5]	0.0031	n/a	8/19/2021	0.00043J	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.0033	n/a	8/19/2021	0.00038J	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-13	0.005	n/a	8/18/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-16[*GWB-16]	0.005	n/a	8/17/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-2	0.005	n/a	8/17/2021	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-3	0.005	n/a	8/17/2021	0.005ND	No	37	n/a	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-1	0.005	n/a	8/18/2021	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-10	0.005	n/a	8/18/2021	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.005	n/a	8/18/2021	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-15[*GWB-15]	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-18	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-19	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-20	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-21	0.005	n/a	8/19/2021	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-4A[*GWB-4A]	0.005	n/a	8/19/2021	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5[*GWB-5]	0.005	n/a	8/19/2021	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.0058	n/a	8/19/2021	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.001	n/a	8/18/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-13	0.001	n/a	8/18/2021	0.00016J	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-14	0.001	n/a	8/17/2021	0.0006J	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-16[*GWB-16]	0.001	n/a	8/17/2021	0.00025J	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-2	0.001	n/a	8/17/2021	0.00062J	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-3	0.001	n/a	8/17/2021	0.00015J	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-10	0.001	n/a	8/18/2021	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-11	0.001	n/a	8/18/2021	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-12	0.001	n/a	8/18/2021	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-17	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-18	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Thallium (mg/L)	GWC-19	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-20	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-21	0.001	n/a	8/19/2021	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-23	0.001	n/a	8/19/2021	0.001ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	8/19/2021	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5[*GWB-5]	0.001	n/a	8/19/2021	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.001	n/a	8/19/2021	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-13	0.0018	n/a	8/18/2021	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-14	0.001	n/a	8/17/2021	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-16[*GWB-16]	0.0015	n/a	8/17/2021	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-2	0.0051	n/a	8/17/2021	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.005	n/a	8/17/2021	0.001ND	No	30	n/a	n/a	83.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-1	0.0032	n/a	8/18/2021	0.0011	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.0087	n/a	8/18/2021	0.0015	No	31	n/a	n/a	80.65	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	8/18/2021	0.0018	No	30	n/a	n/a	73.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.0075	n/a	8/18/2021	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15[*GWB-15]	0.0017	n/a	8/19/2021	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
<b>Vanadium (mg/L)</b>	<b>GWC-17</b>	<b>0.001</b>	<b>n/a</b>	<b>8/19/2021</b>	<b>0.0013</b>	<b>Yes</b>	<b>10</b>	<b>n/a</b>	<b>n/a</b>	<b>90</b>	<b>n/a</b>	<b>n/a</b>	<b>0.00344</b>	<b>NP Intra (NDs) 1 of 3</b>
Vanadium (mg/L)	GWC-18	0.005391	n/a	8/19/2021	0.003	No	10	0.00283	0.001152	0	None	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-19	0.006157	n/a	8/19/2021	0.0015	No	10	0.1199	0.02849	20	Kaplan-Meier	x <sup>2</sup> (1/3)	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-20	0.0074	n/a	8/19/2021	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3



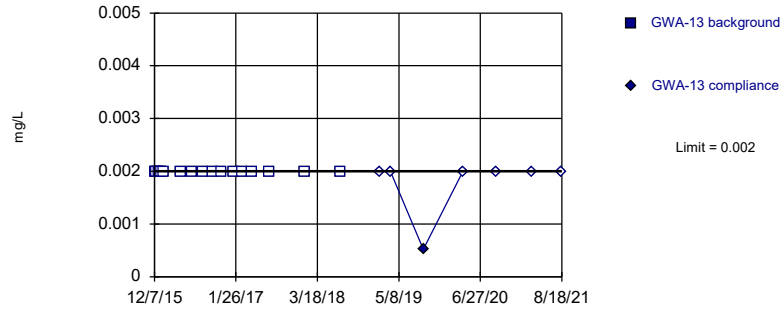
# Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:21 PM

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-21	0.0058	n/a	8/19/2021	0.001	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-23	0.006305	n/a	8/19/2021	0.0011	No	5	0.001498	0.001071	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-4A[*GWB-4A]	0.0033	n/a	8/19/2021	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5[*GWB-5]	0.0035	n/a	8/19/2021	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0091	n/a	8/19/2021	0.001ND	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-13	0.00446	n/a	8/18/2021	0.005ND	No	10	0.003017	0.0006491	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-14	0.01002	n/a	8/17/2021	0.005ND	No	10	-5.575	0.437	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-16[*GWB-16]	0.005037	n/a	8/17/2021	0.005ND	No	10	0.003817	0.000549	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	n/a	8/17/2021	0.004J	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWA-3	0.045	n/a	8/17/2021	0.005ND	No	30	n/a	n/a	43.33	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-1	0.02	n/a	8/18/2021	0.0035J	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-10	0.019	n/a	8/18/2021	0.005ND	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.0089	n/a	8/18/2021	0.005ND	No	30	n/a	n/a	66.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
<b>Zinc (mg/L)</b>	<b>GWC-12</b>	<b>0.005828</b>	<b>n/a</b>	<b>8/18/2021</b>	<b>0.0081</b>	<b>Yes</b>	<b>31</b>	<b>0.1507</b>	<b>0.01782</b>	<b>32.26</b>	<b>Kaplan-Meier</b>	<b>x^(1/3)</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Zinc (mg/L)	GWC-15[*GWB-15]	0.01135	n/a	8/19/2021	0.005ND	No	10	-5.422	0.4242	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-17	0.02	n/a	8/19/2021	0.013	No	10	n/a	n/a	30	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-18	0.01755	n/a	8/19/2021	0.015	No	10	-5.696	0.7436	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
<b>Zinc (mg/L)</b>	<b>GWC-19</b>	<b>0.009538</b>	<b>n/a</b>	<b>8/19/2021</b>	<b>0.017</b>	<b>Yes</b>	<b>10</b>	<b>0.05943</b>	<b>0.01719</b>	<b>40</b>	<b>Kaplan-Meier</b>	<b>sqrt(x)</b>	<b>0.0003901</b>	<b>Param Intra 1 of 3</b>
Zinc (mg/L)	GWC-20	0.008421	n/a	8/19/2021	0.005ND	No	10	0.004843	0.001609	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-21	0.008437	n/a	8/19/2021	0.005ND	No	10	0.00277	0.002548	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-23	0.02	n/a	8/19/2021	0.0081	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-4A[*GWB-4A]	0.02	n/a	8/19/2021	0.004J	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-5[*GWB-5]	0.017	n/a	8/19/2021	0.005ND	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-9	0.0077	n/a	8/19/2021	0.005ND	No	31	n/a	n/a	64.52	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

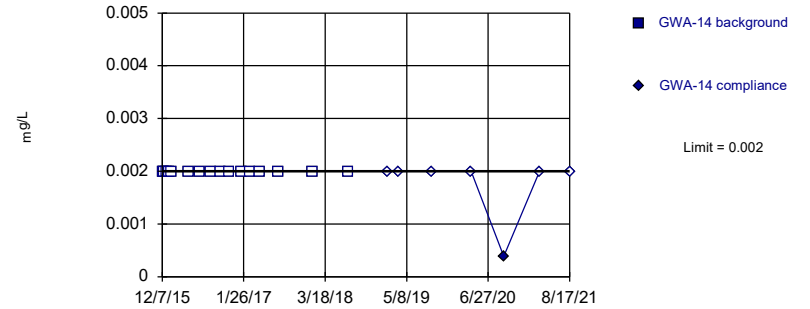


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

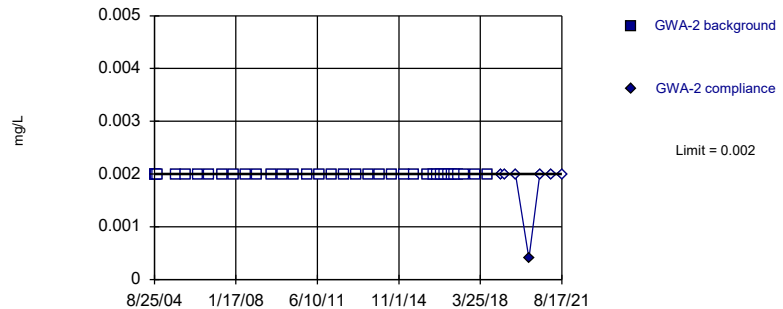


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

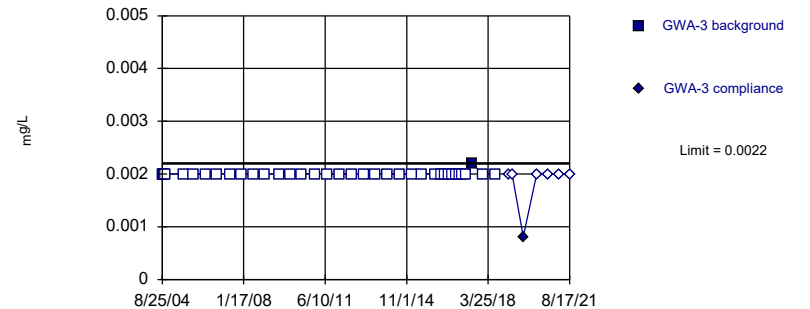


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Antimony Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

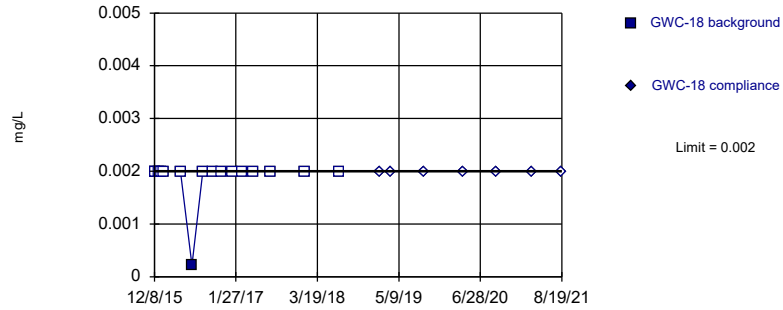


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Antimony Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

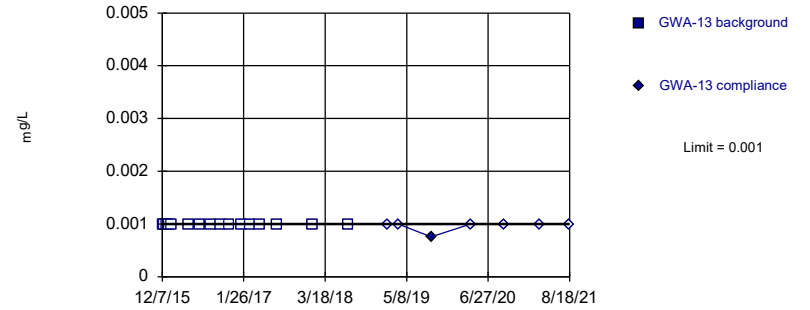


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

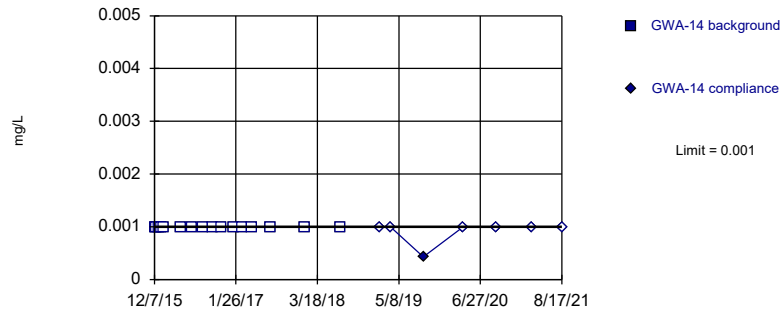


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

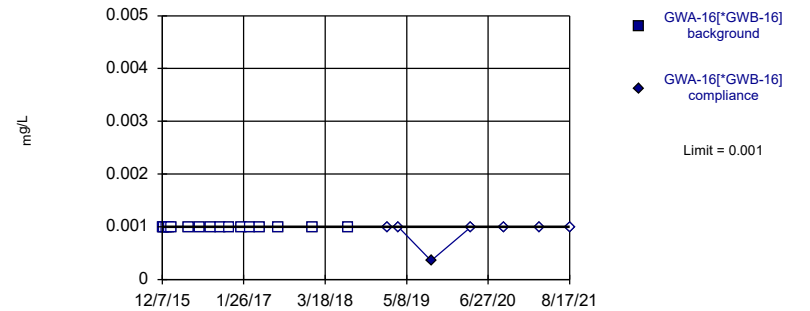


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

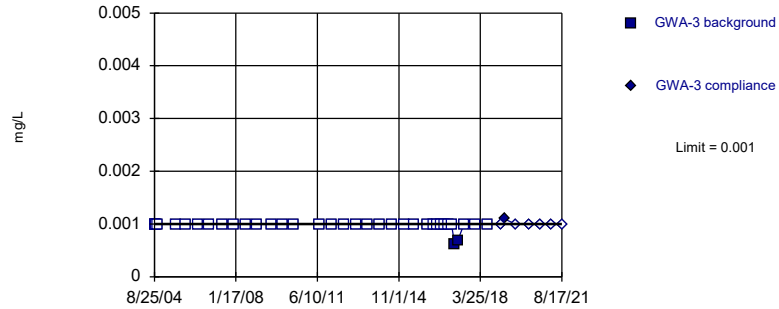


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

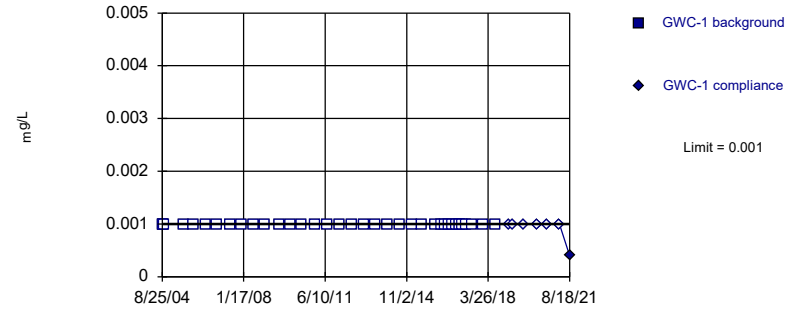


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

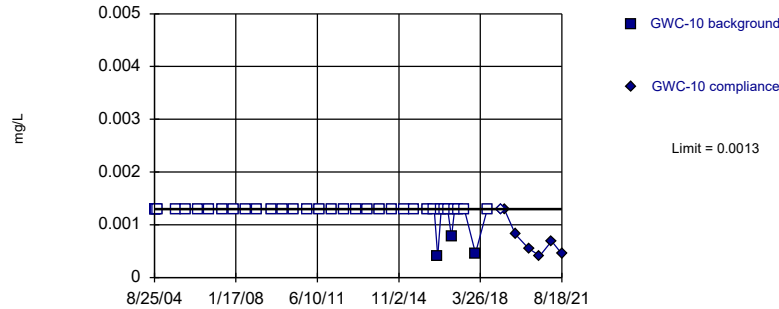


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

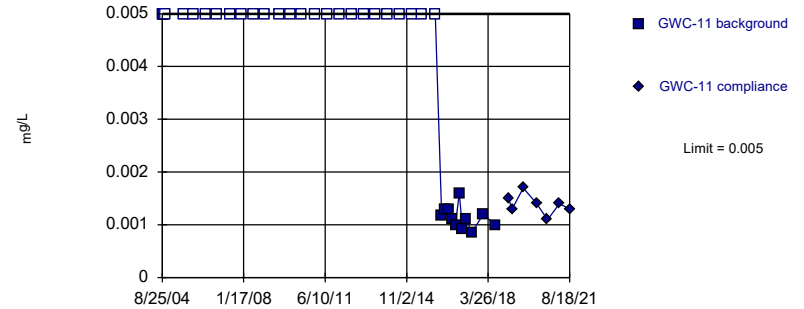


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

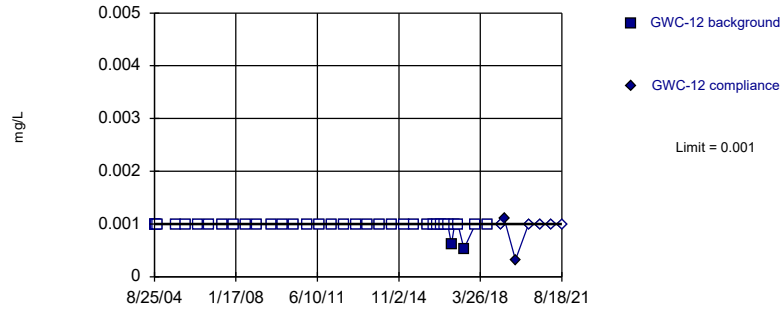


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 70.27% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

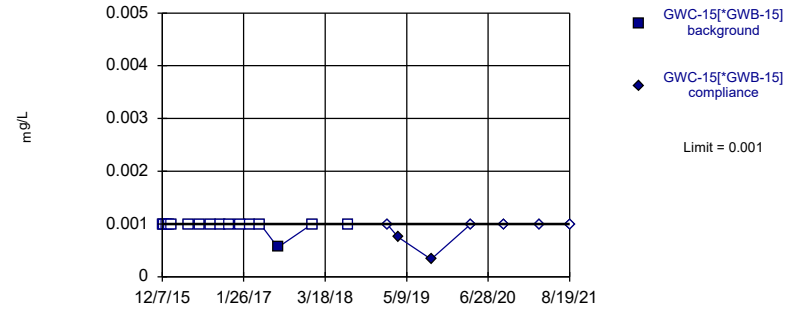


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

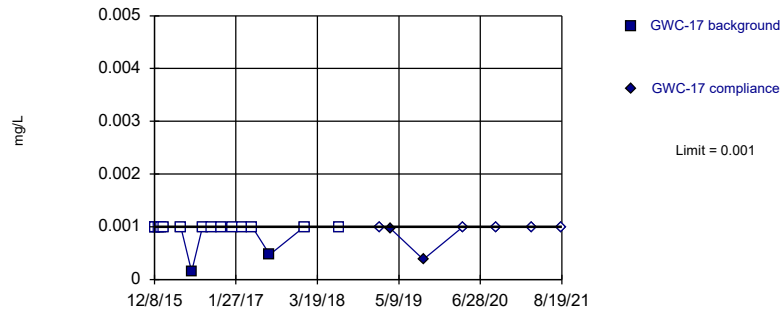


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

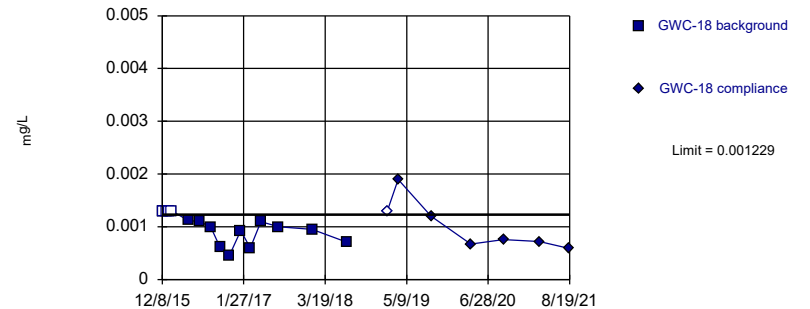


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

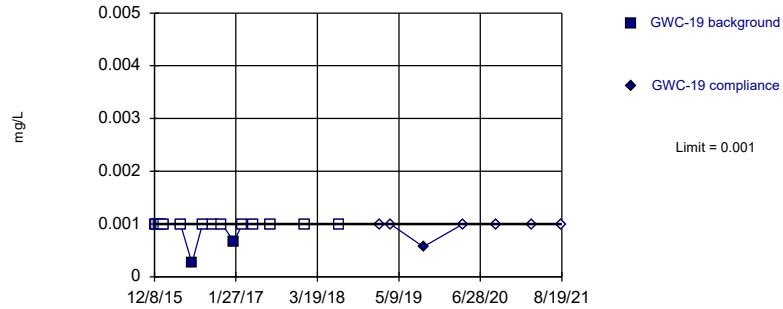


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0008124, Std. Dev.=0.0002231, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

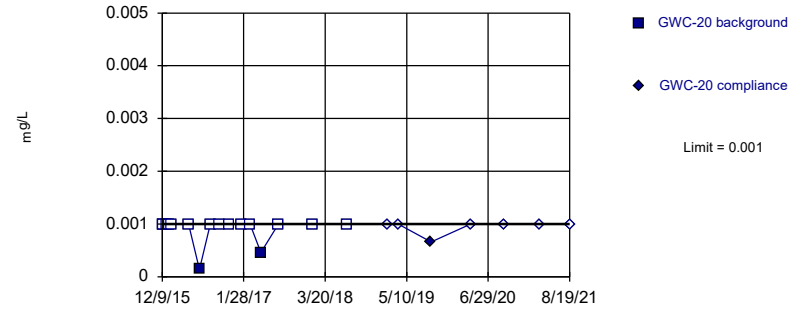


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

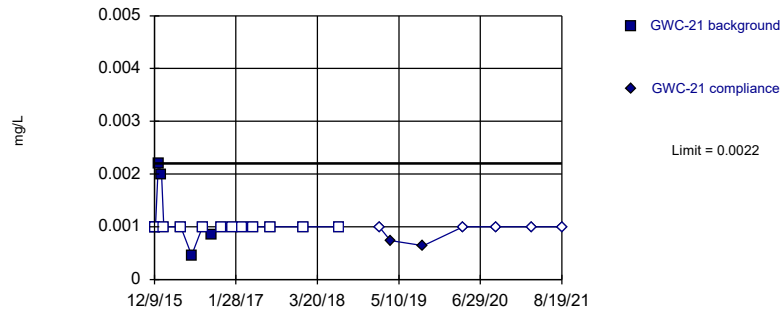


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

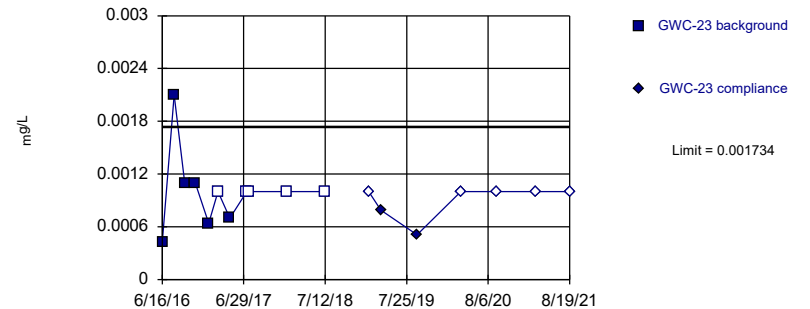


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

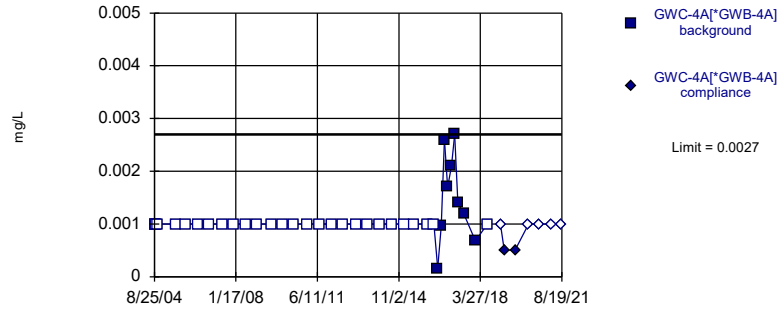


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.02695, Std. Dev.=0.006873, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8486, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

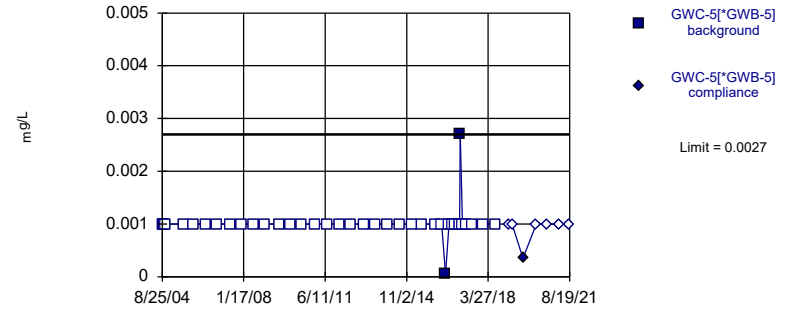


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

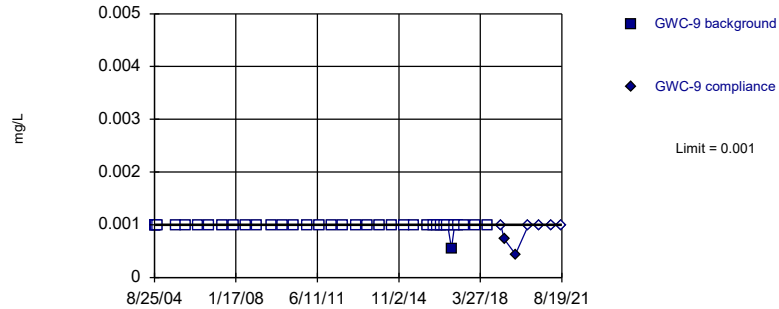


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 94.87% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

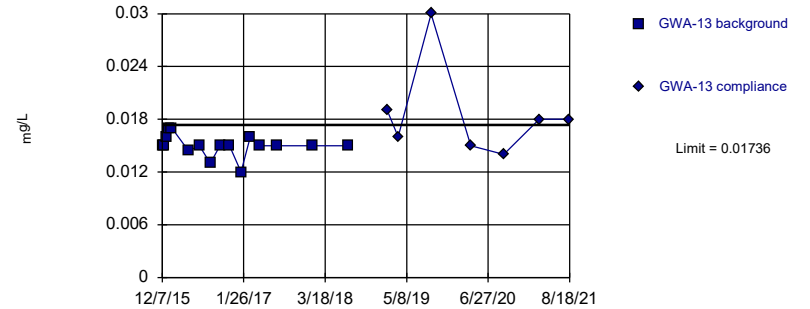


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Exceeds Limit

Prediction Limit  
Intrawell Parametric

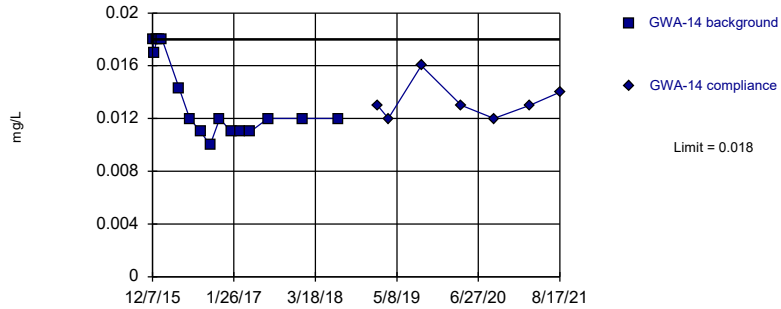


Background Data Summary: Mean=0.01503, Std. Dev.=0.001248, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8447, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

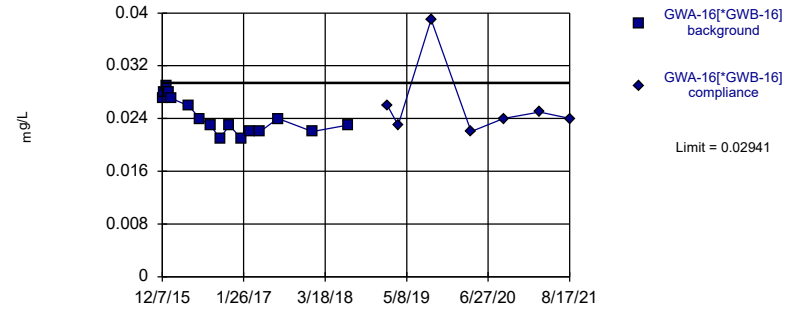


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

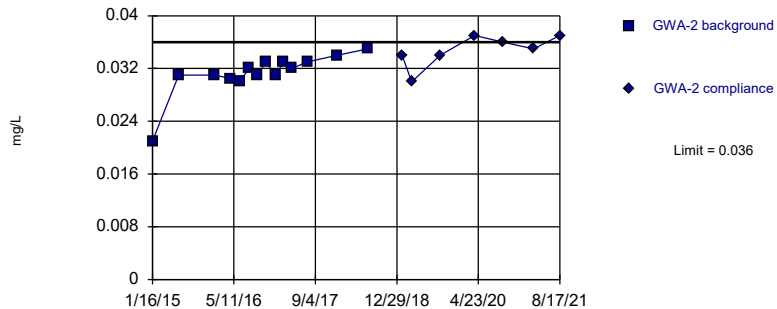


Background Data Summary: Mean=0.02437, Std. Dev.=0.002701, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8999, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

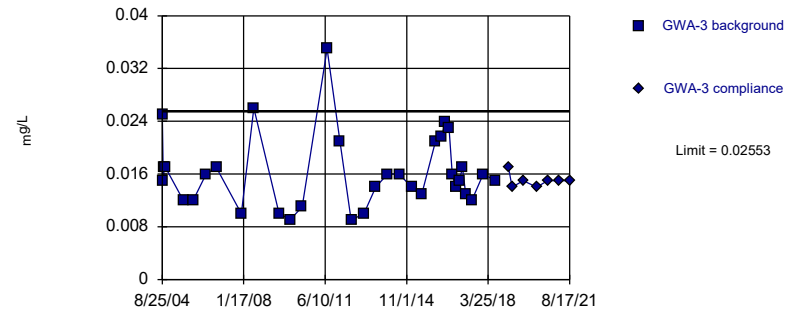


Background Data Summary (based on cube transformation): Mean=0.00003138, Std. Dev.=0.000007789, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8408, critical = 0.825. Kappa = 1.959 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



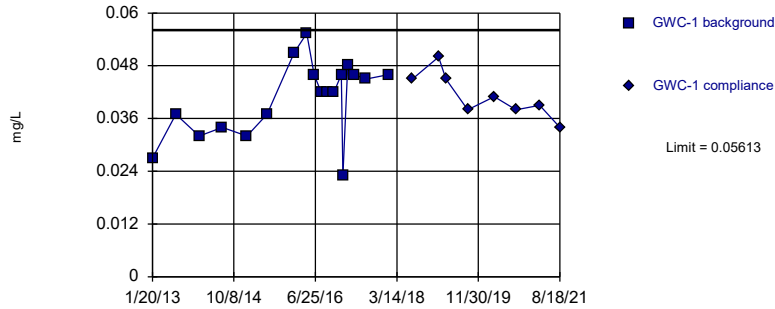
Background Data Summary (based on square root transformation): Mean=0.1258, Std. Dev.=0.02092, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.908. Kappa = 1.623 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Within Limit

Prediction Limit  
Intrawell Parametric

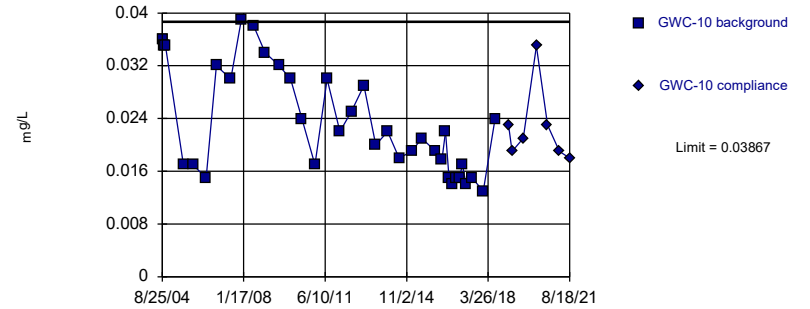


Background Data Summary: Mean=0.04063, Std. Dev.=0.008527, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.858. Kappa = 1.817 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

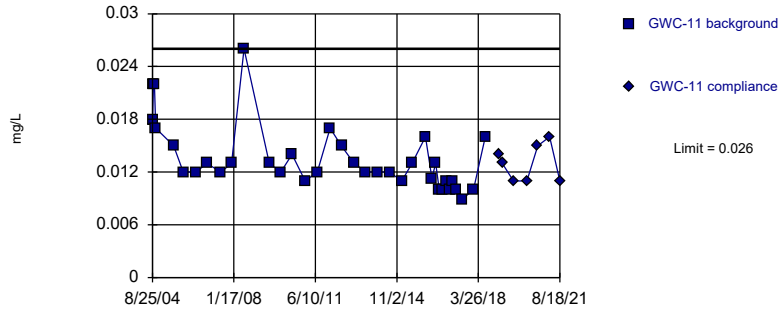


Background Data Summary (based on natural log transformation): Mean=3.803, Std. Dev.=0.3426, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

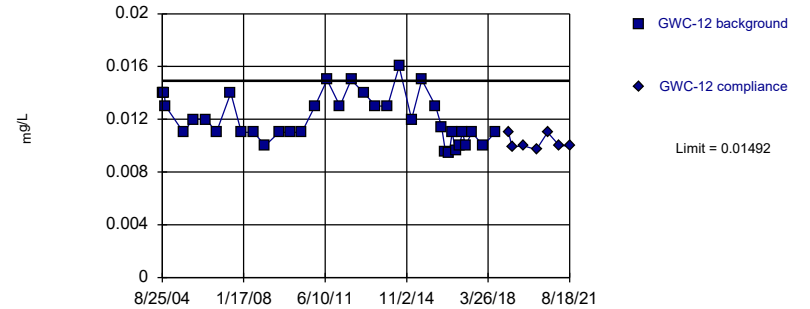


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

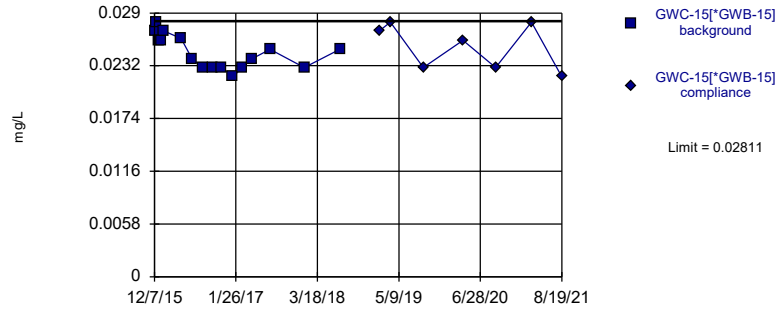


Background Data Summary: Mean=0.01205, Std. Dev.=0.001788, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9235, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



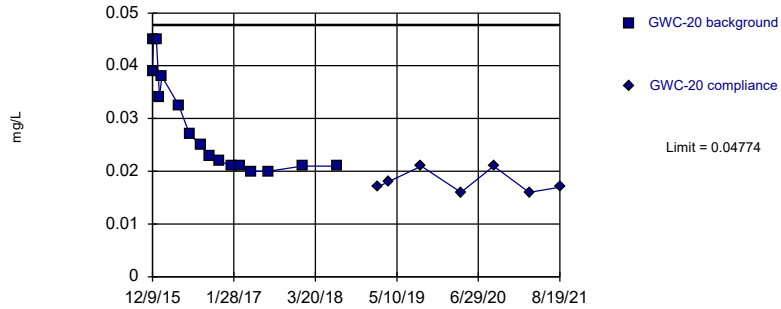
Background Data Summary: Mean=0.0247, Std. Dev.=0.001826, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9229, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Within Limit

Prediction Limit  
Intrawell Parametric

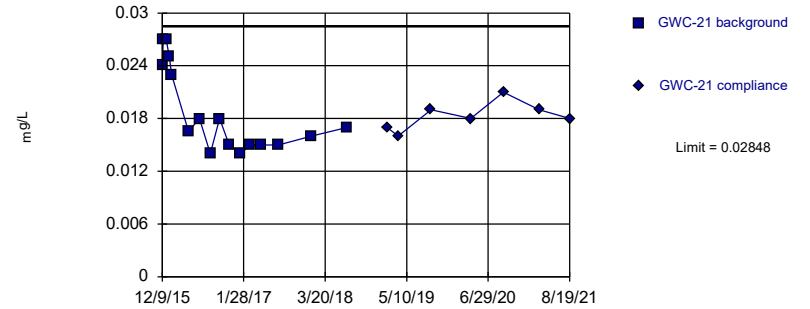


Background Data Summary (based on natural log transformation): Mean=-3.606, Std. Dev.=0.3019, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8457, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

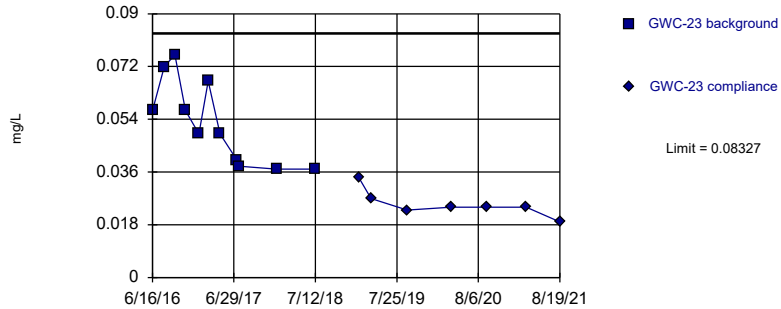


Background Data Summary (based on natural log transformation): Mean=-4.006, Std. Dev.=0.2397, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8501, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

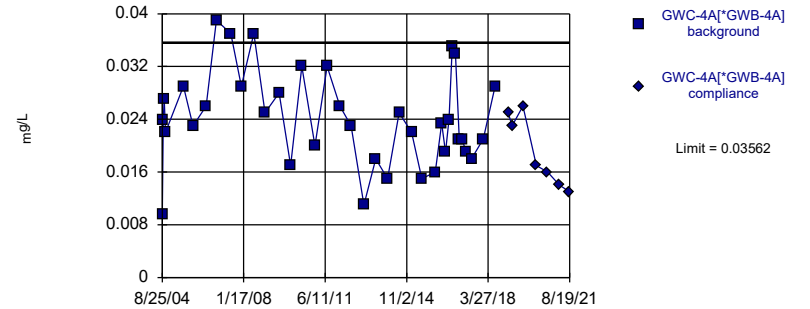


Background Data Summary: Mean=0.05264, Std. Dev.=0.01433, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8994, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

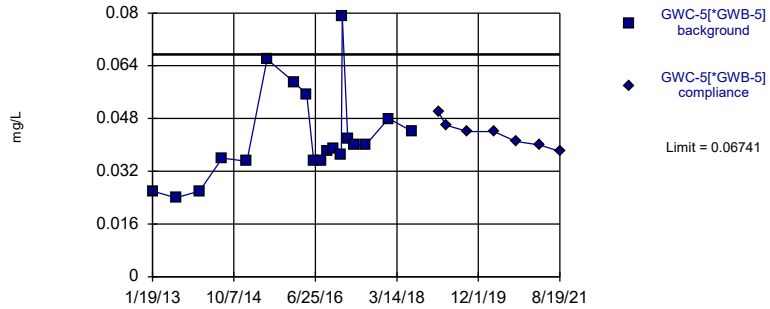


Background Data Summary: Mean=0.02411, Std. Dev.=0.007165, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9779, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

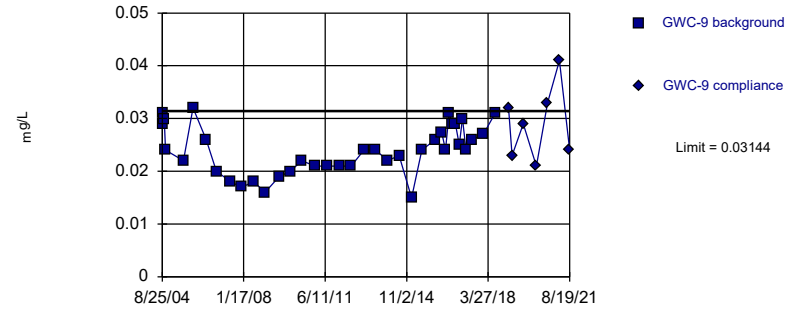


Background Data Summary: Mean=0.04233, Std. Dev.=0.014, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8921, critical = 0.863. Kappa = 1.792 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric



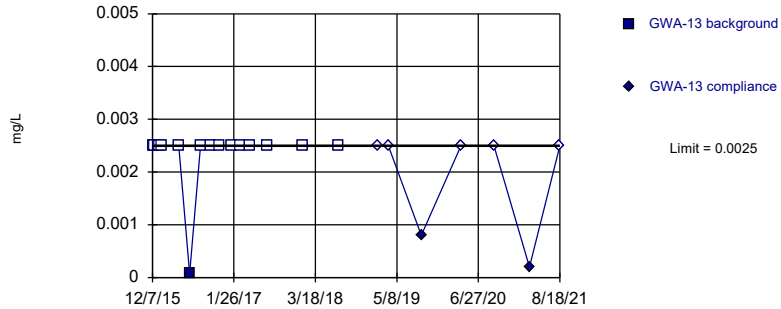
Background Data Summary: Mean=0.02404, Std. Dev.=0.004605, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9616, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



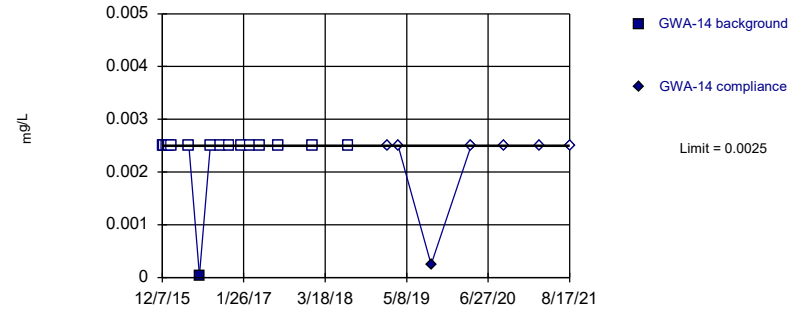
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric

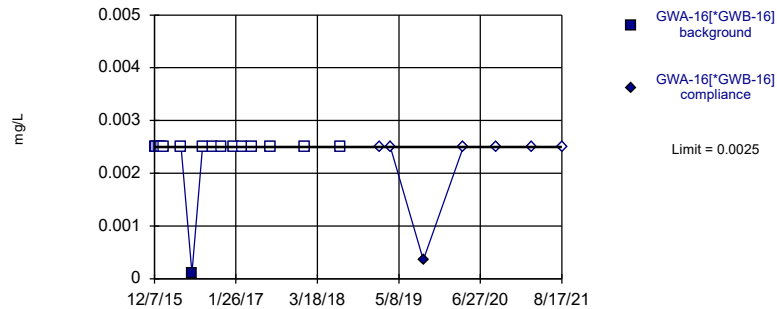


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

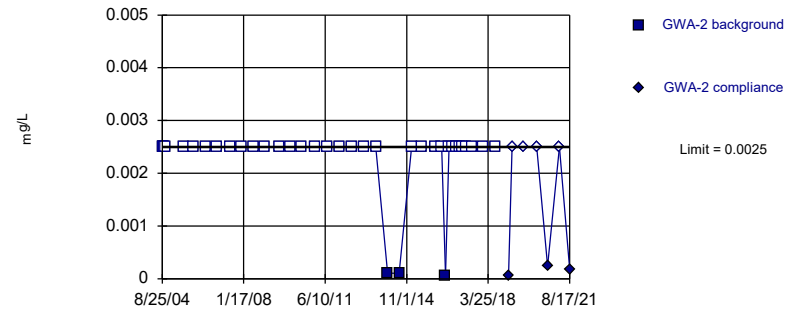


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

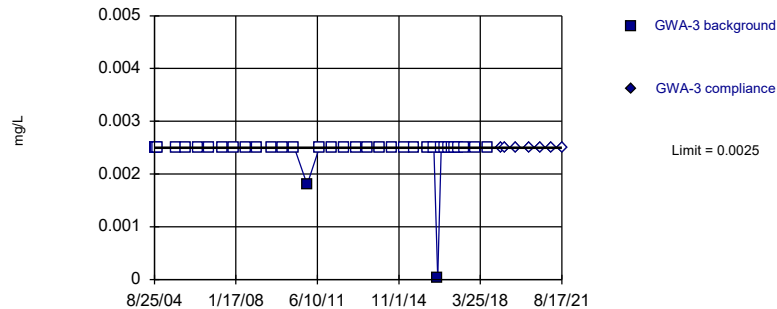


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

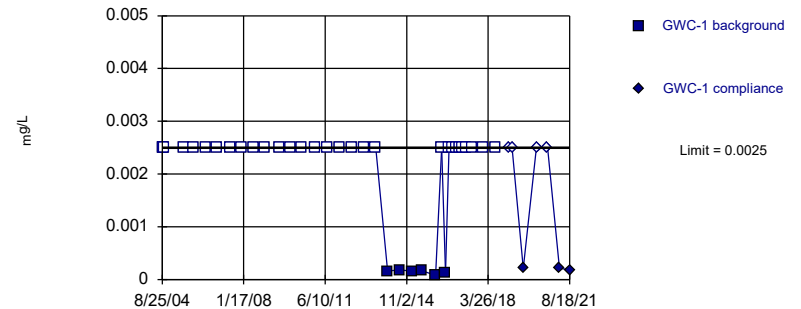


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

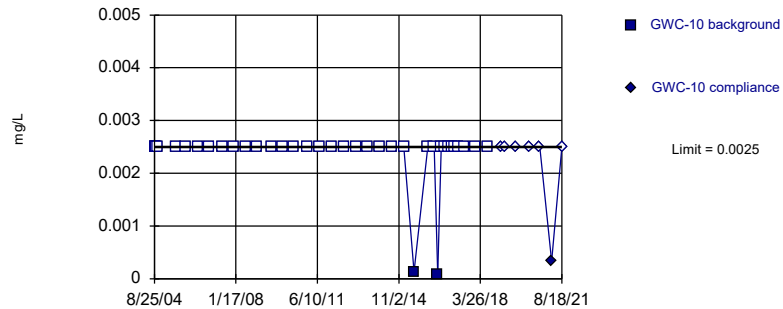


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

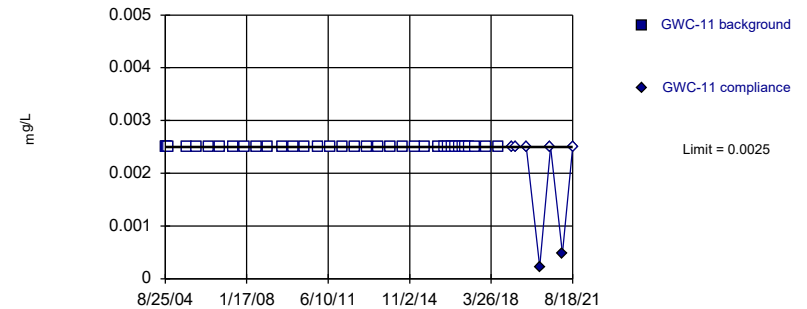


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

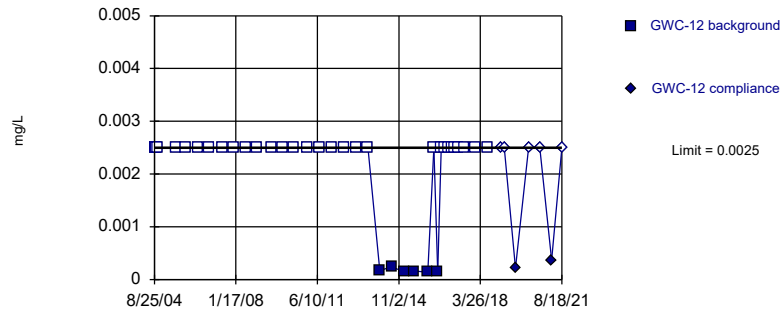


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

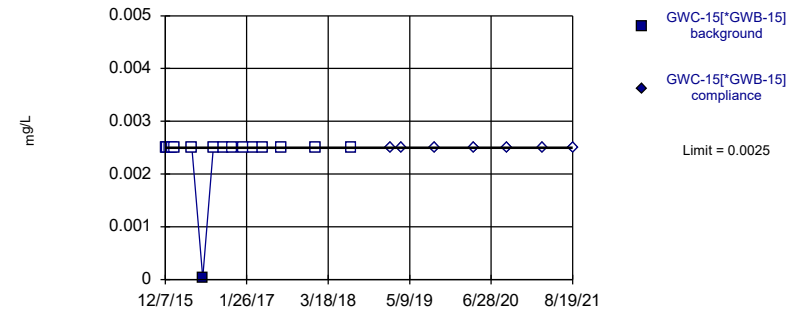


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:09 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

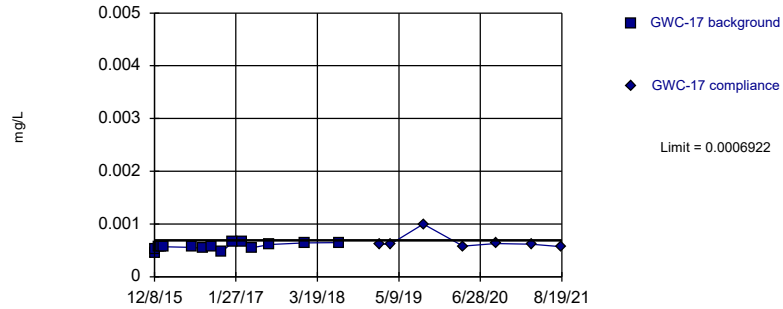


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric



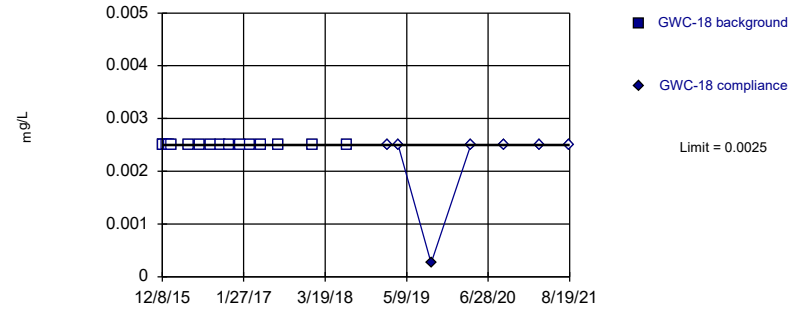
Background Data Summary: Mean=0.000572, Std. Dev.=0.00006281, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9284, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



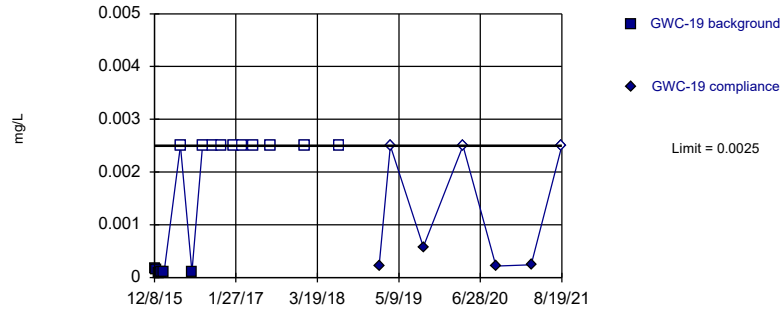
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



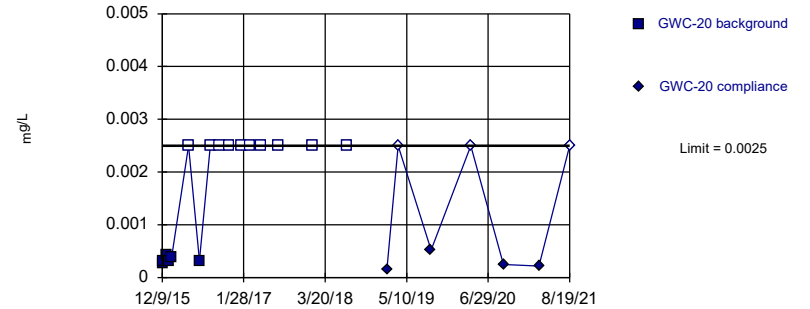
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric

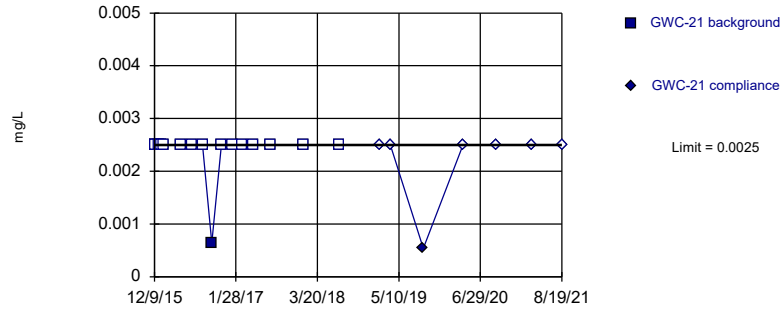


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

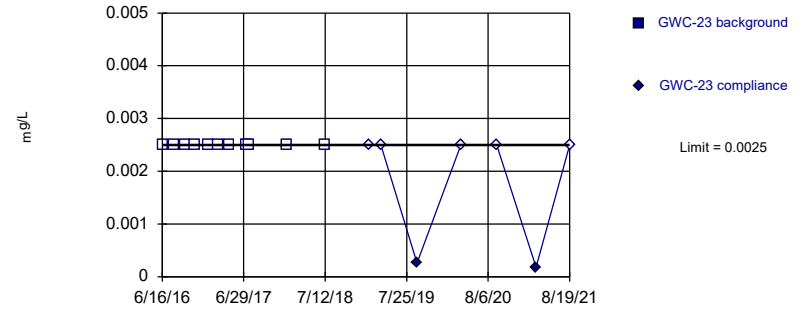


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

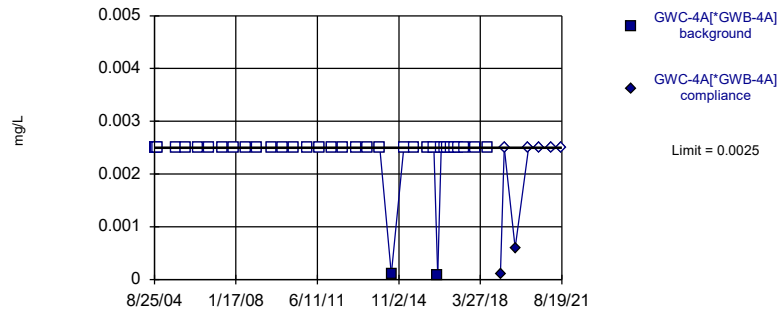


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

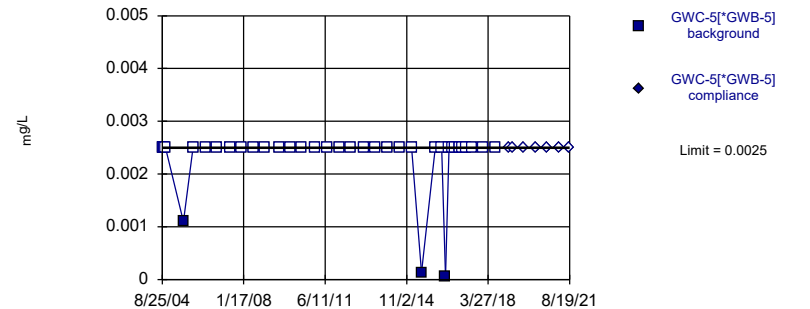


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric



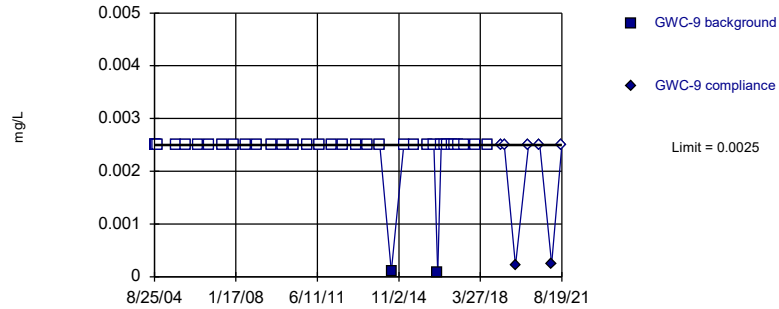
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

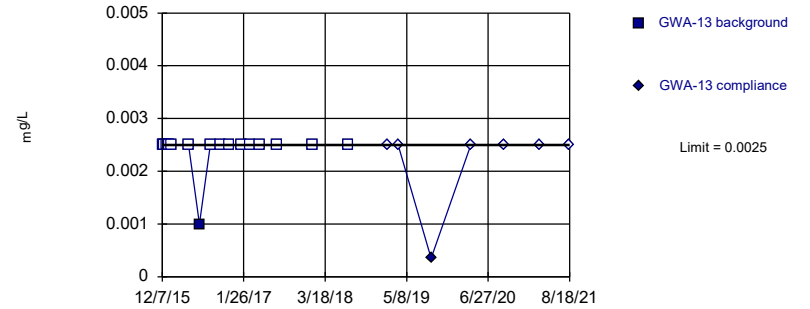


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

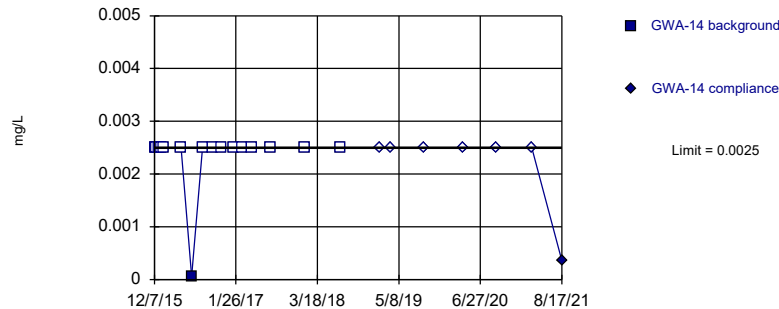


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

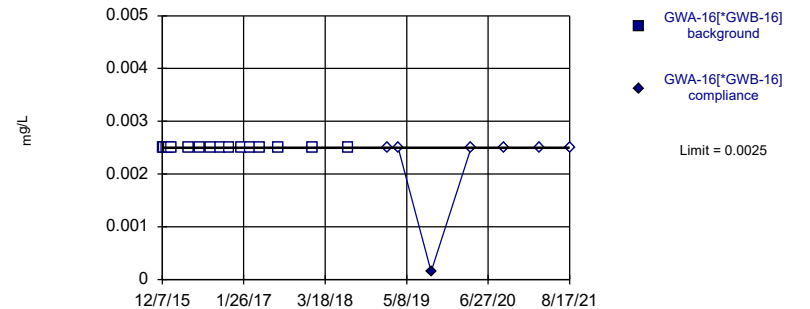


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

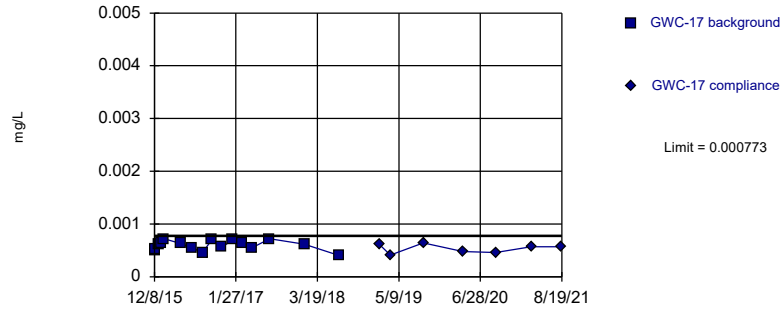


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric



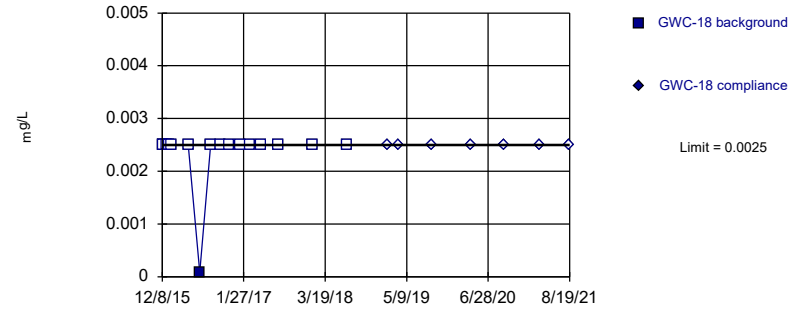
Background Data Summary: Mean=0.0005946, Std. Dev.=0.00009557, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9467, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



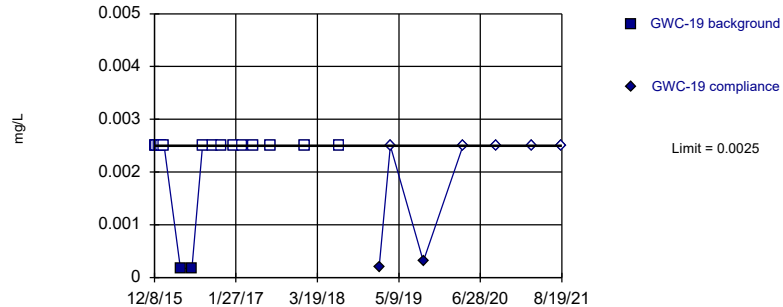
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



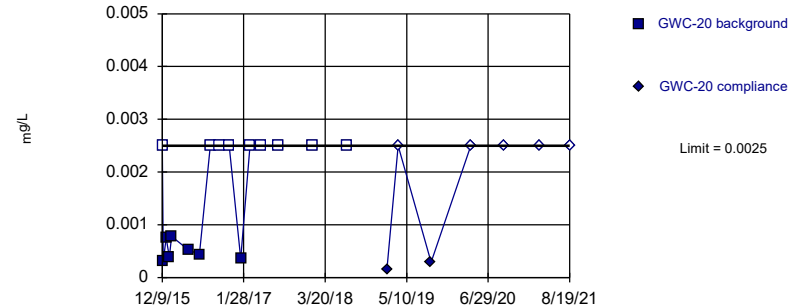
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric

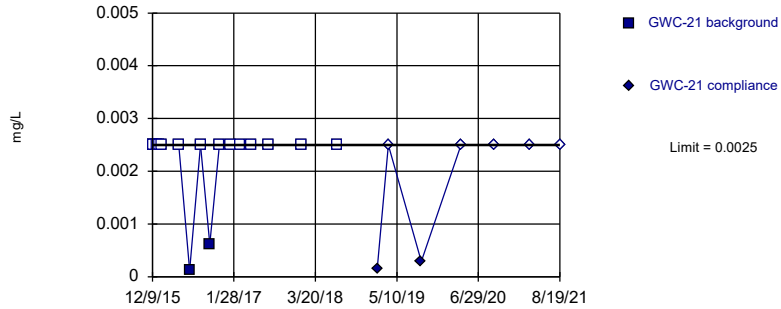


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

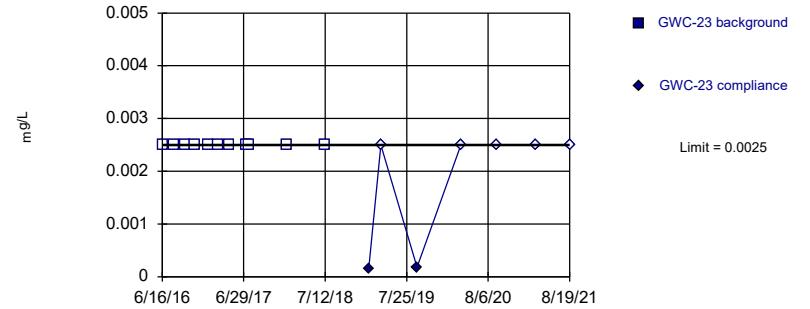


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

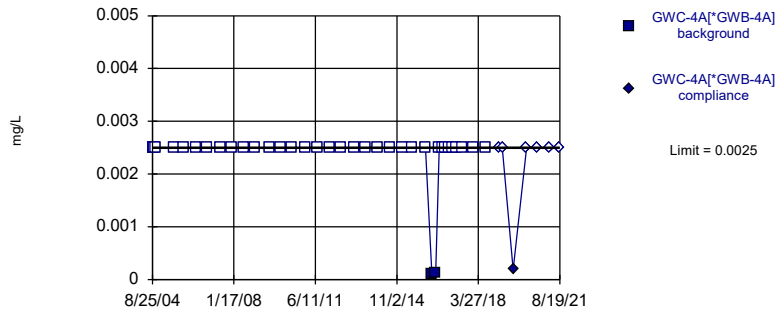


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

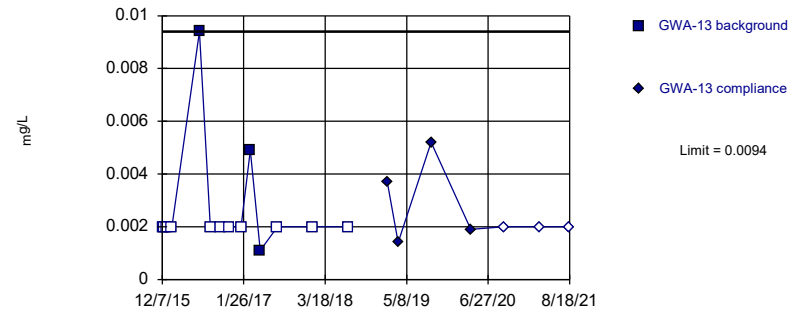


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cadmium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

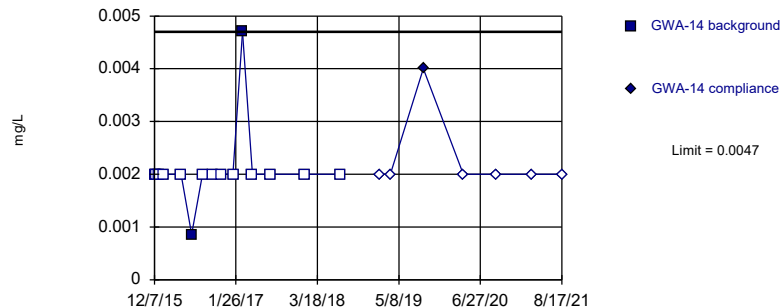


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

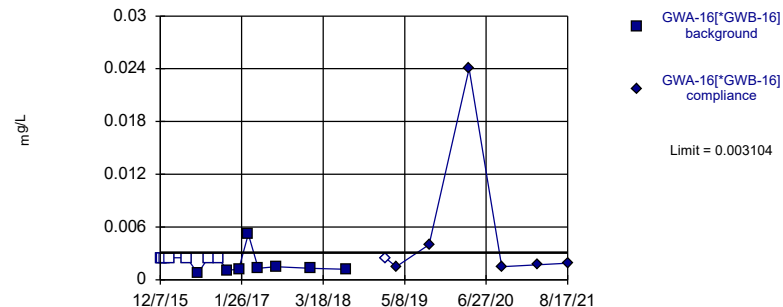


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

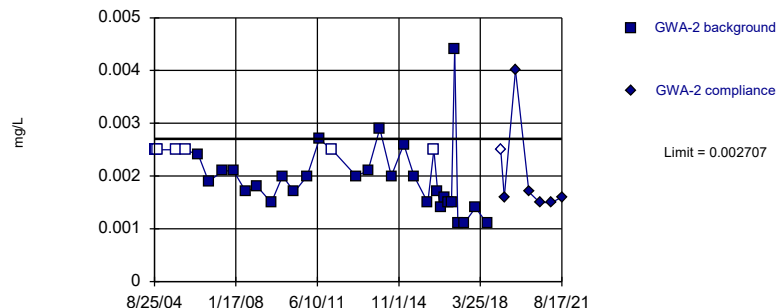


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03555, Std. Dev.=0.01054, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

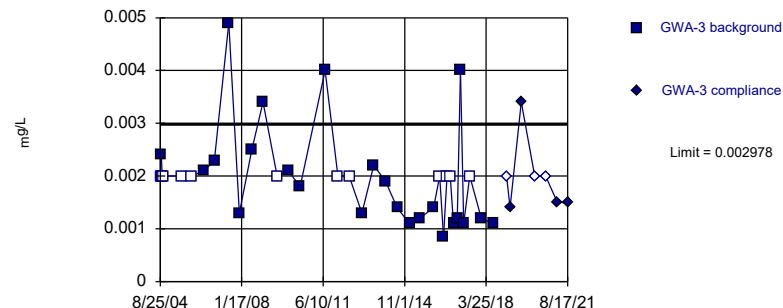


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03983, Std. Dev.=0.007574, n=36, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9394, critical = 0.912. Kappa = 1.611 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

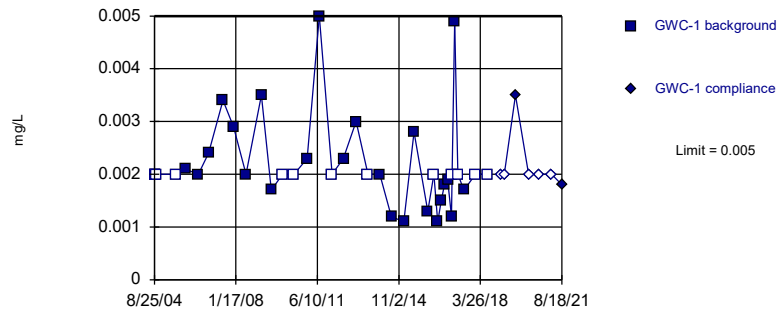


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.609, Std. Dev.=0.4922, n=36, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9209, critical = 0.912. Kappa = 1.611 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

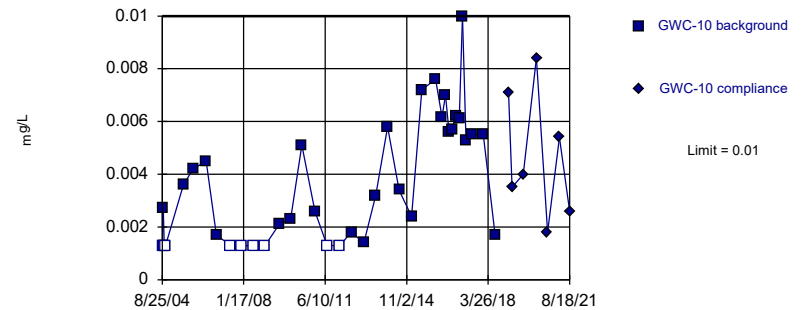


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 35.14% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

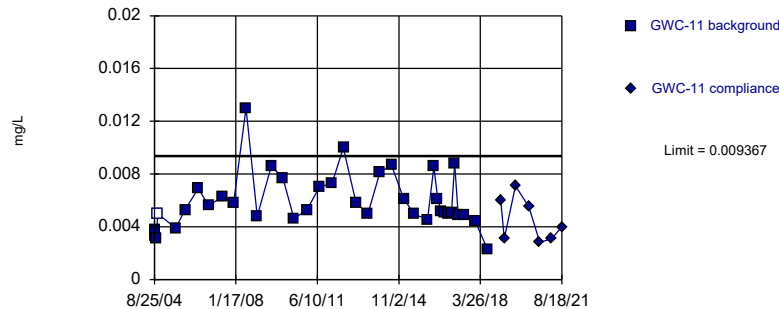


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 24.32% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Parametric

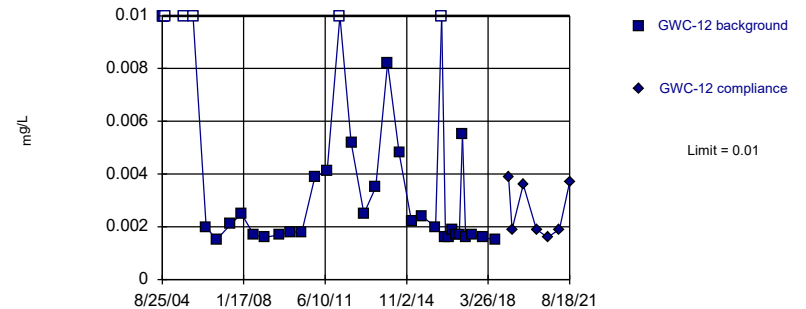


Background Data Summary: Mean=0.005969, Std. Dev.=0.002115, n=37, 2.703% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

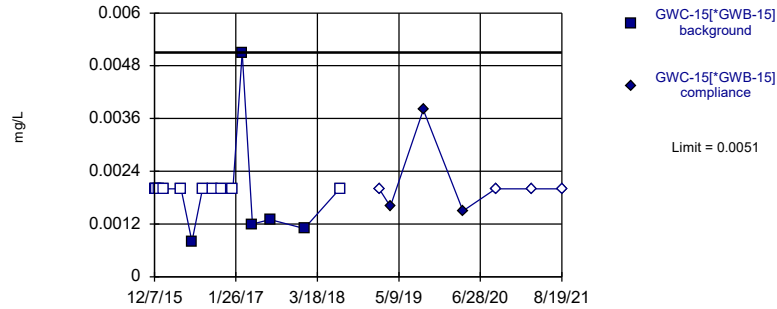


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 21.62% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

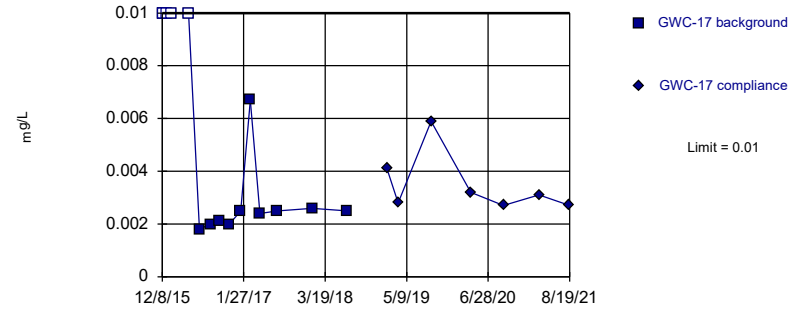


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

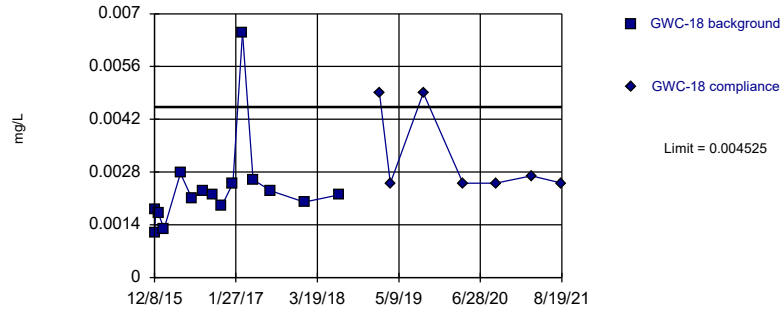


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Within Limit

Prediction Limit  
 Intrawell Parametric

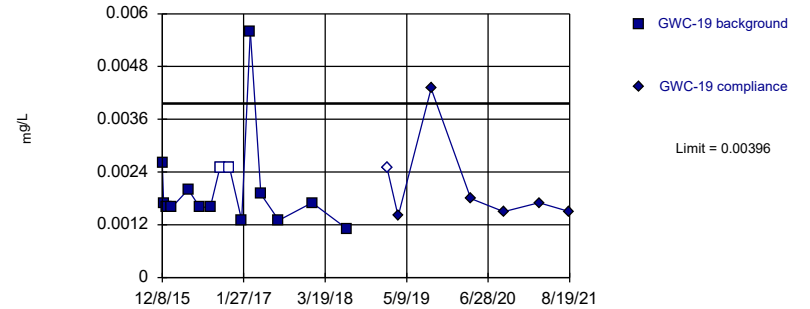


Background Data Summary (based on natural log transformation): Mean=-6.131, Std. Dev.=0.3833, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8577, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Parametric

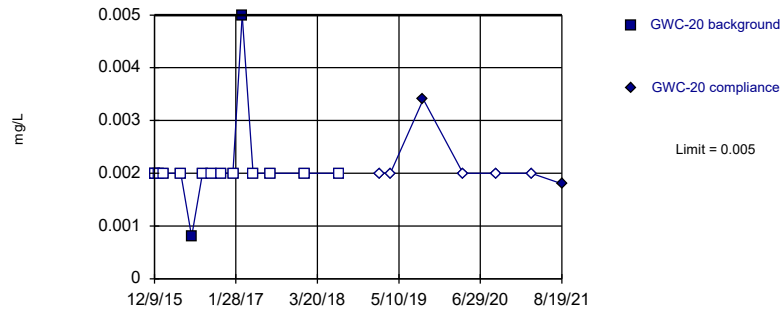


Background Data Summary (based on natural log transformation): Mean=-6.281, Std. Dev.=0.3916, n=15, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8645, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

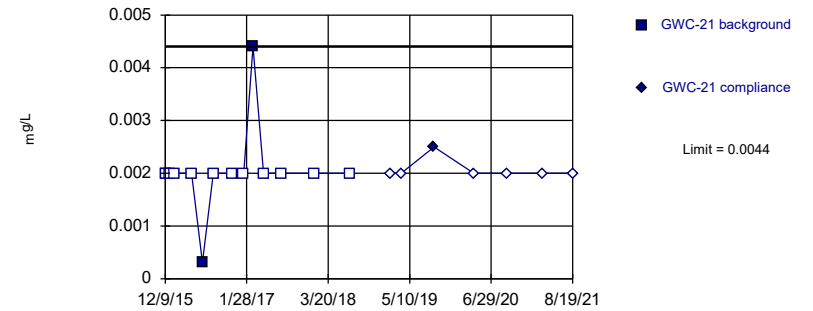


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

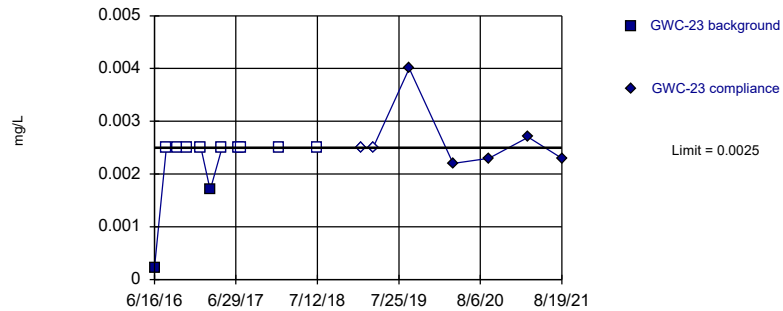


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

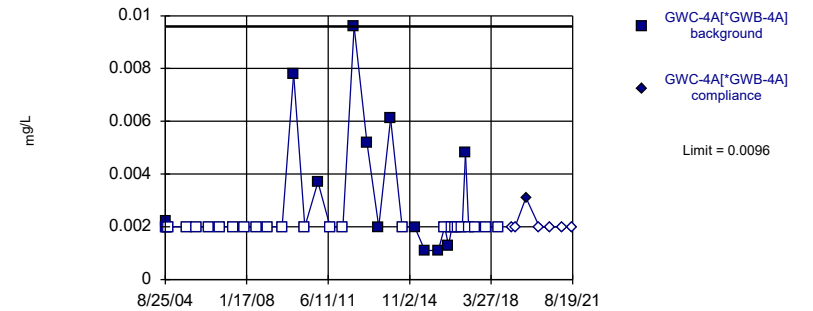


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

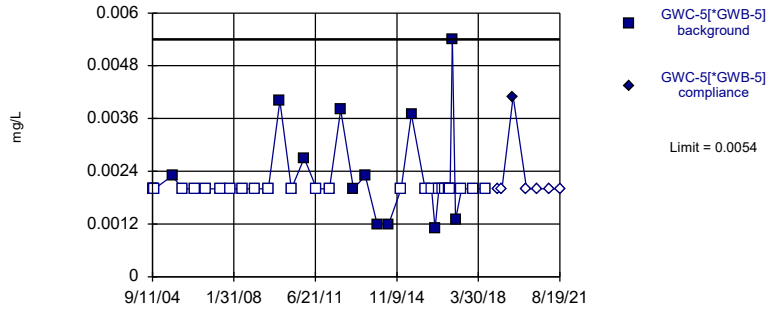


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 67.57% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

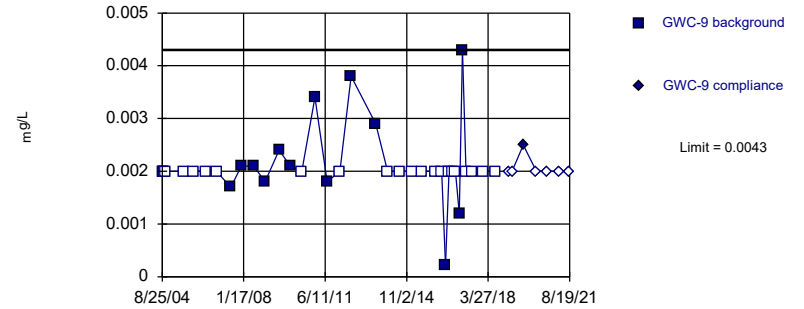


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 65.79% NDs. Well-constituent pair annual alpha = 0.000192. Individual comparison alpha = 0.00009598 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

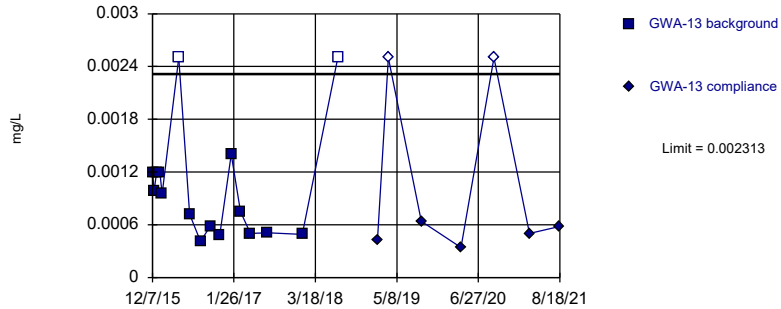


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 63.89% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Chromium Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

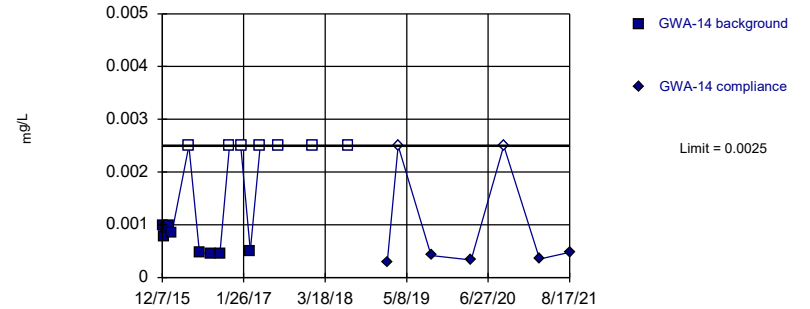


Background Data Summary (based on square root transformation): Mean=0.0307, Std. Dev.=0.009318, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8703, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric



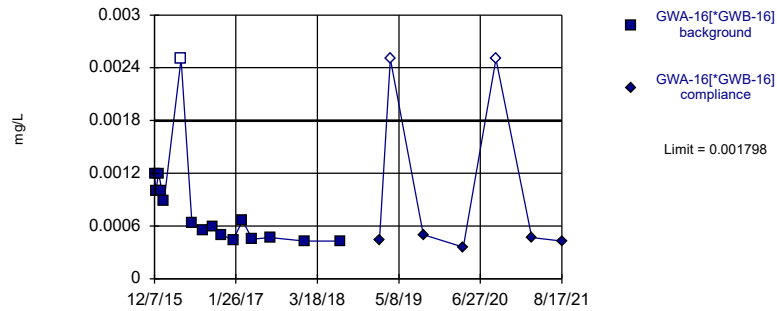
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

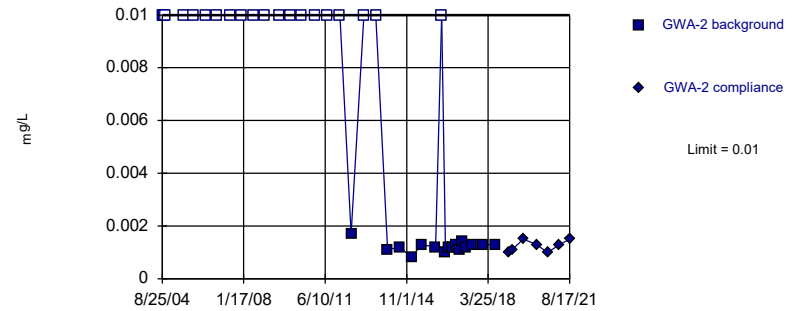


Background Data Summary (based on natural log transformation): Mean=-7.257, Std. Dev.=0.5015, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.873, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

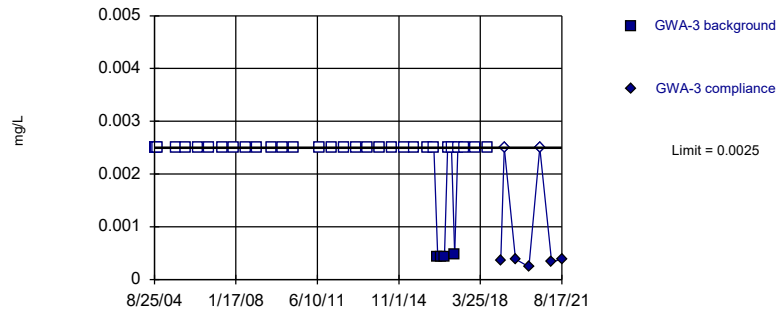


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 56.76% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

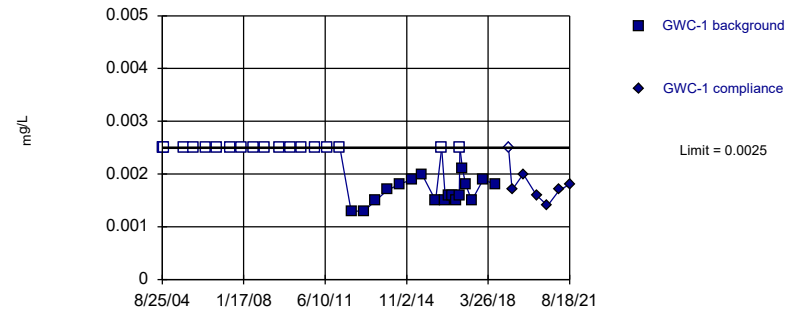


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

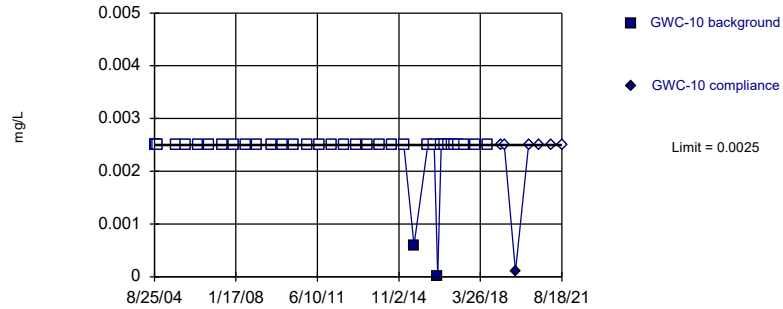


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 51.35% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

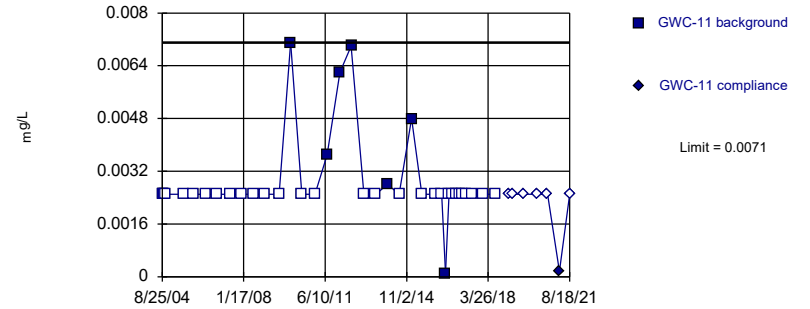


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

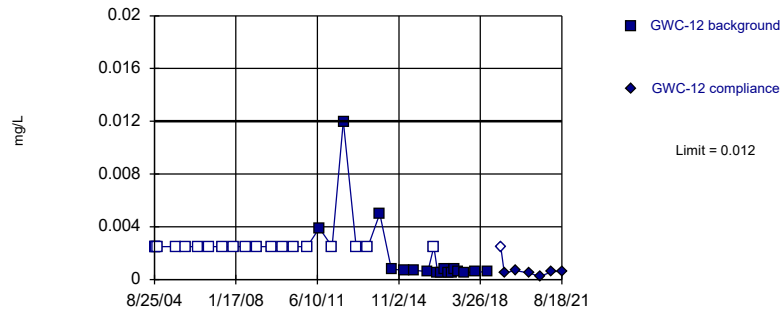


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 81.08% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

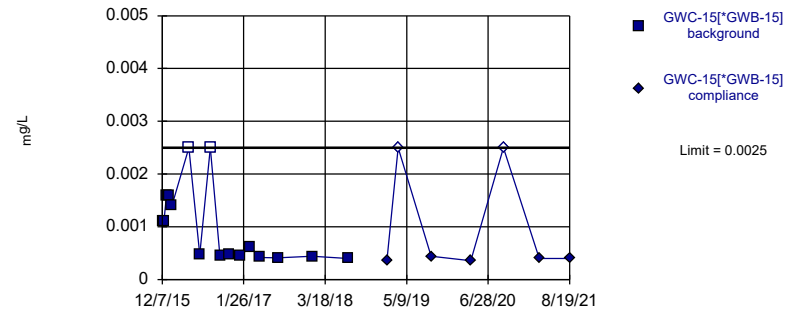


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 54.05% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

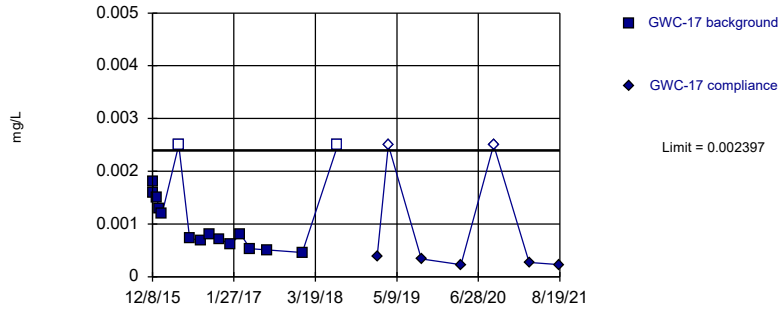


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

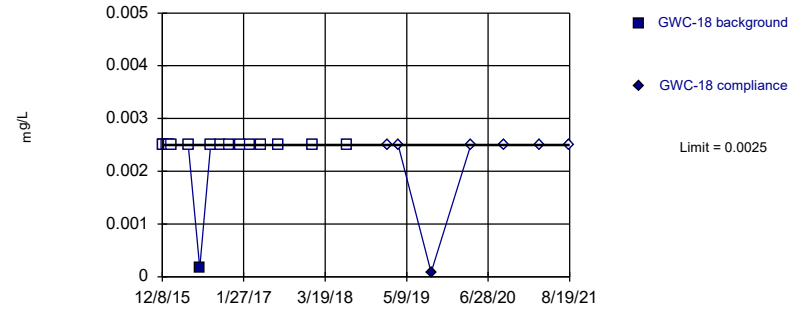


Background Data Summary: Mean=0.001142, Std. Dev.=0.0006723, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.85, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

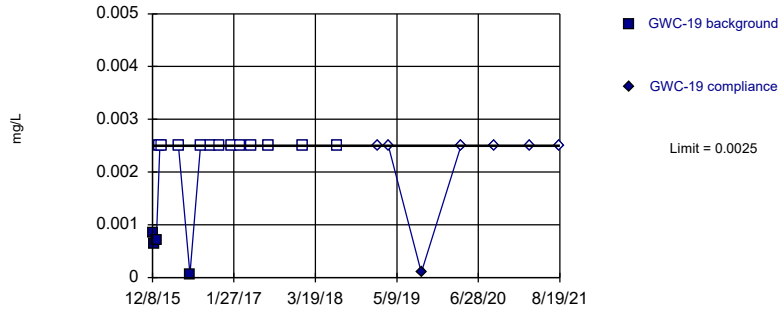


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

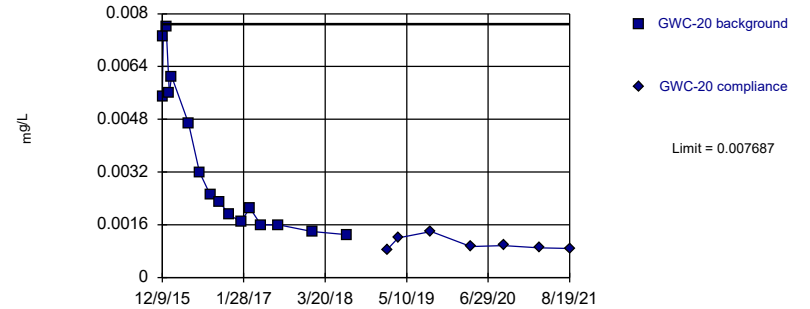


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Within Limit

Prediction Limit  
Intrawell Parametric

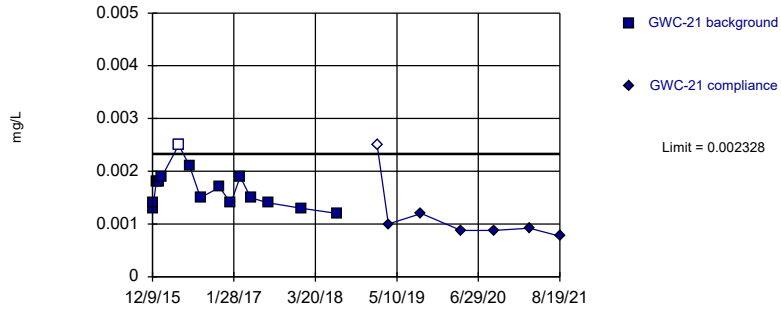


Background Data Summary: Mean=0.003524, Std. Dev.=0.00223, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8444, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

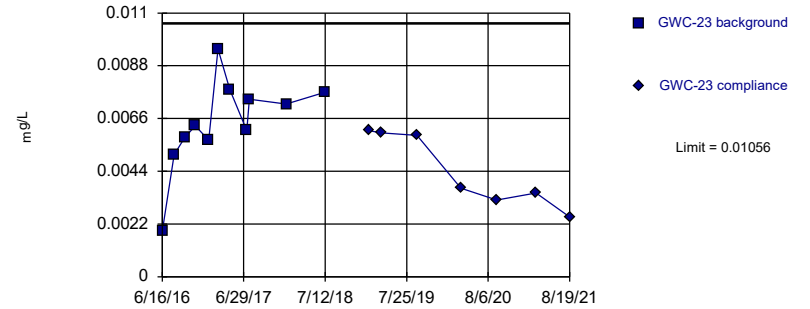


Background Data Summary: Mean=0.001647, Std. Dev.=0.0003563, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric

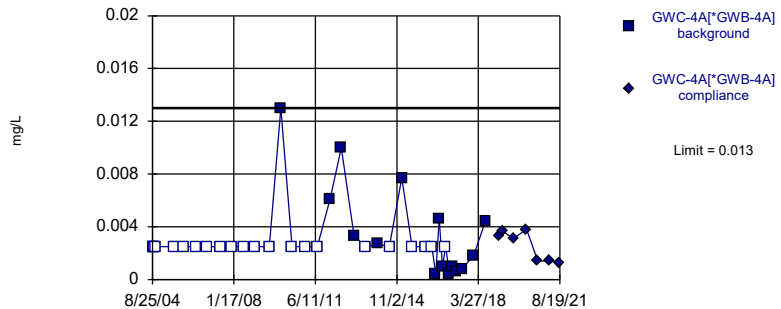


Background Data Summary: Mean=0.006409, Std. Dev.=0.001944, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9239, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

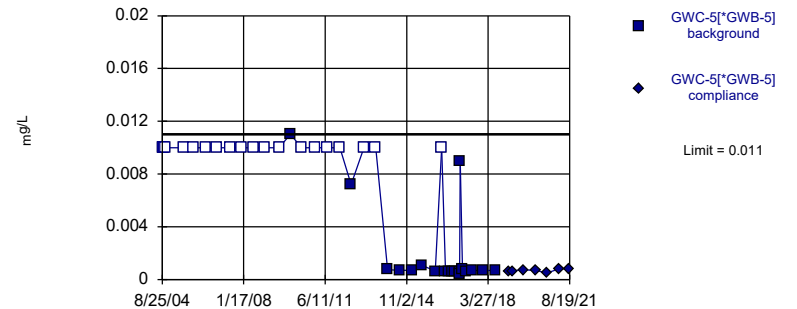


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 59.46% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

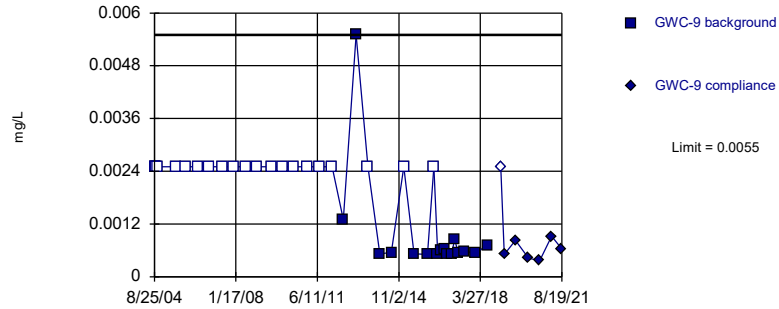


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 51.28% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

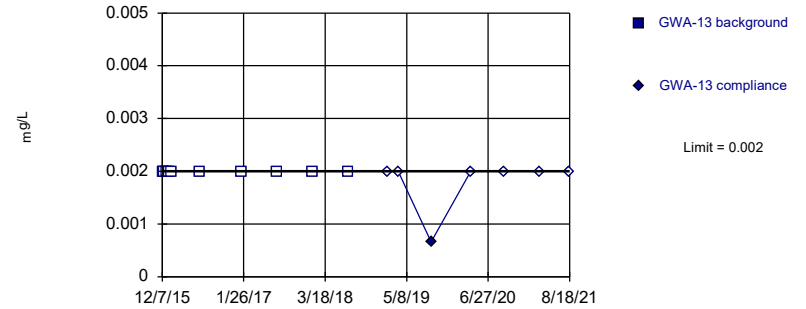


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 56.76% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

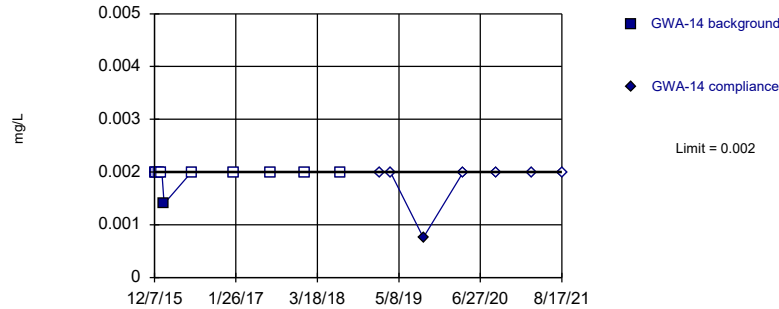


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

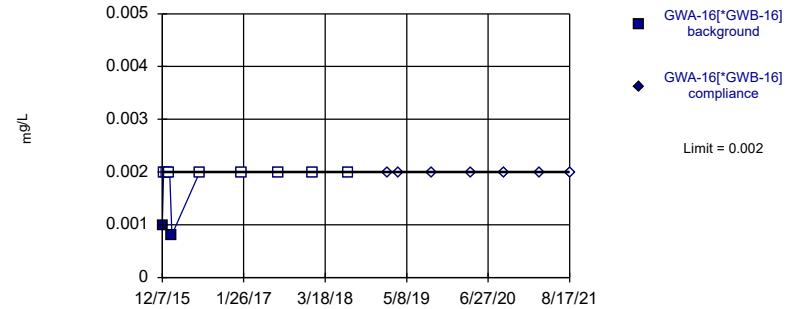


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

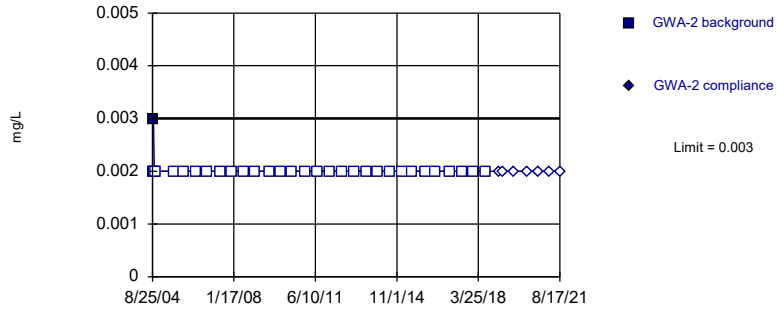


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

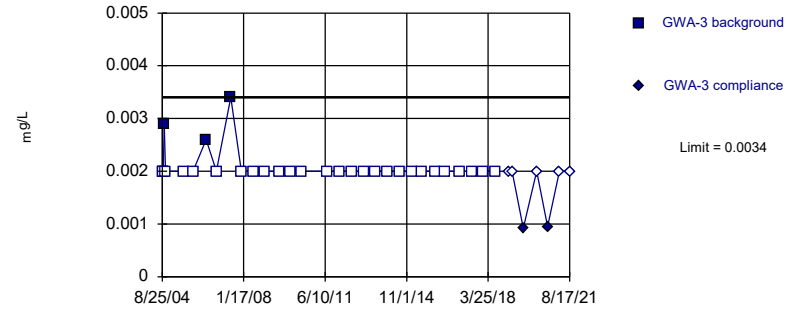


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

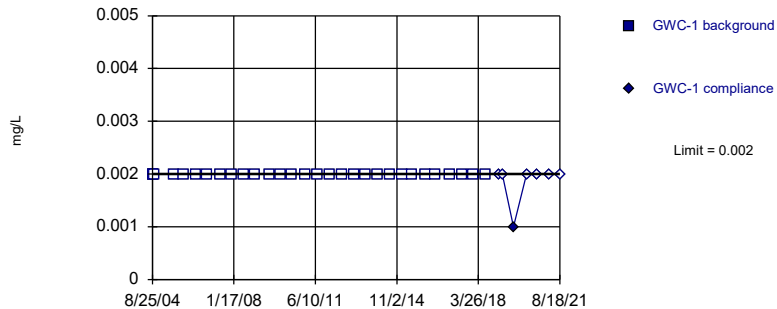


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

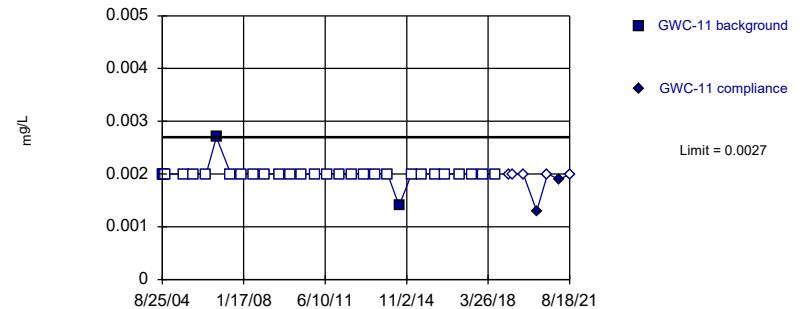


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

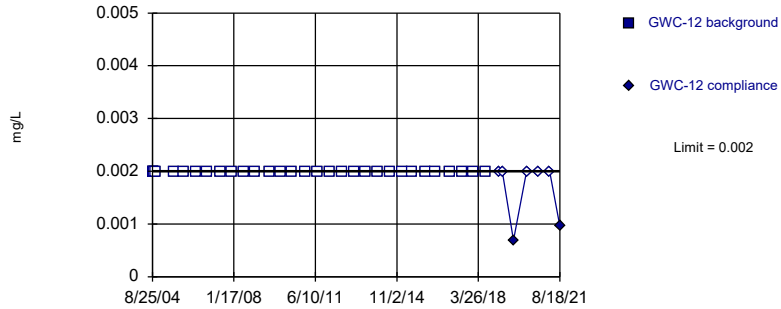


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

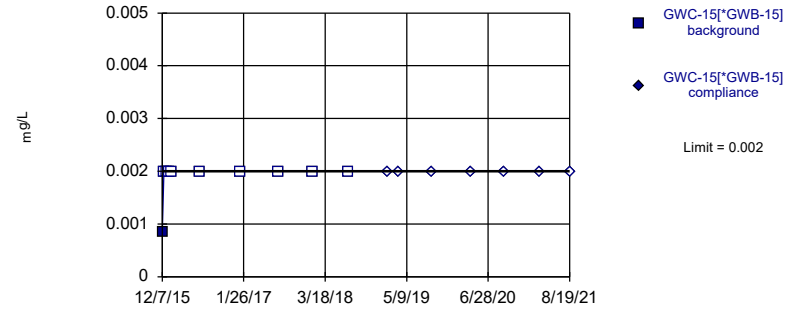


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 31) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

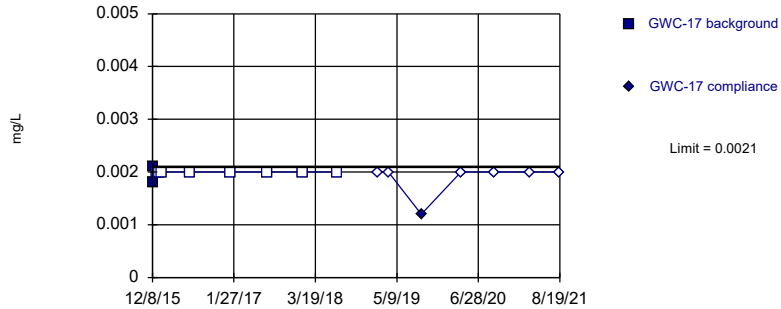


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

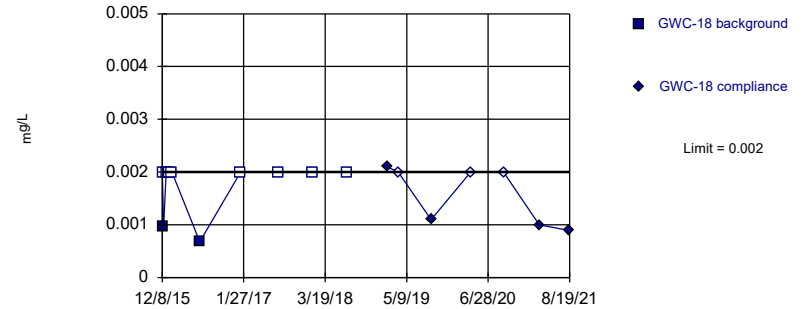


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

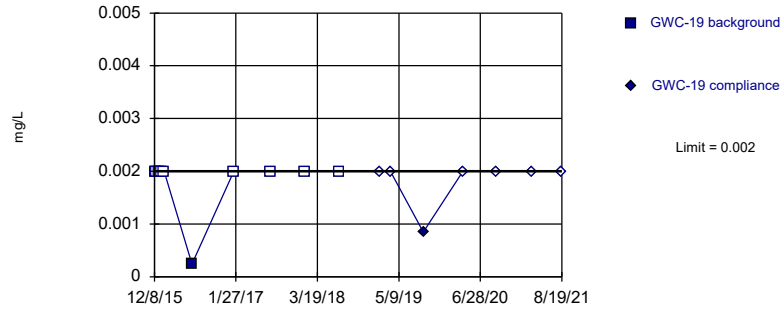


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

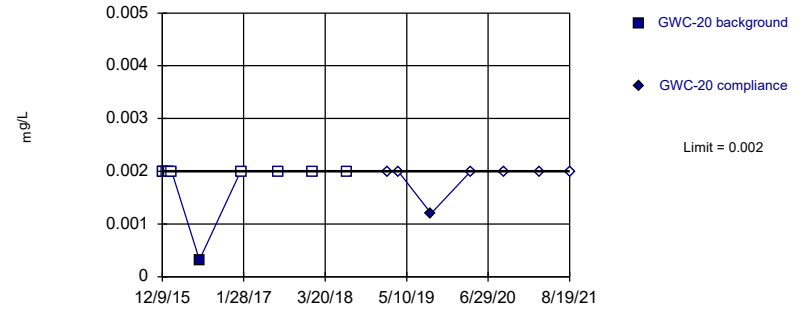


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

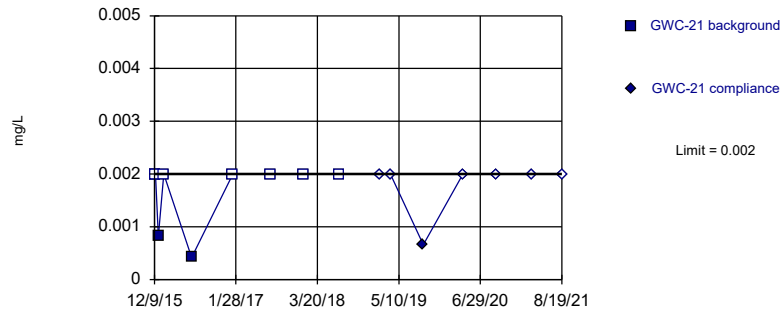


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

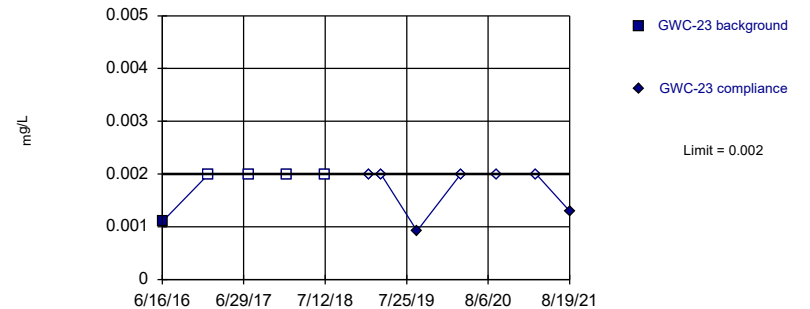


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric



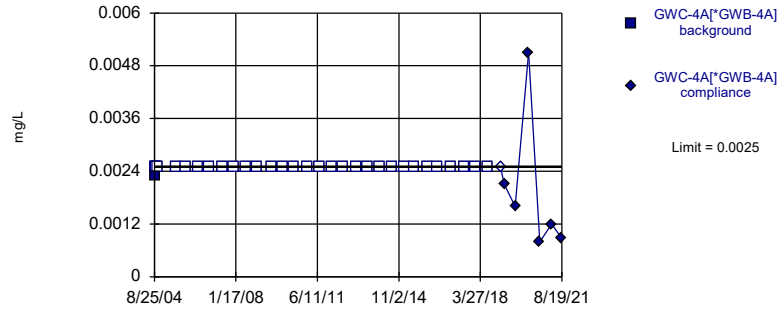
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 80% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

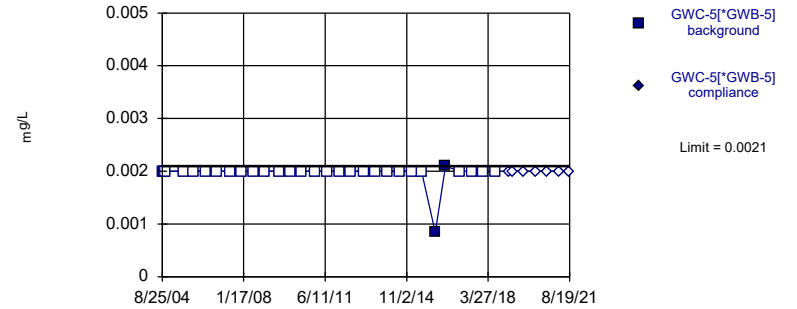


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

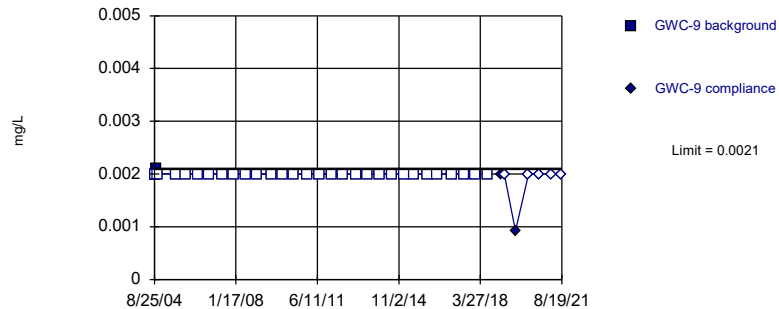


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

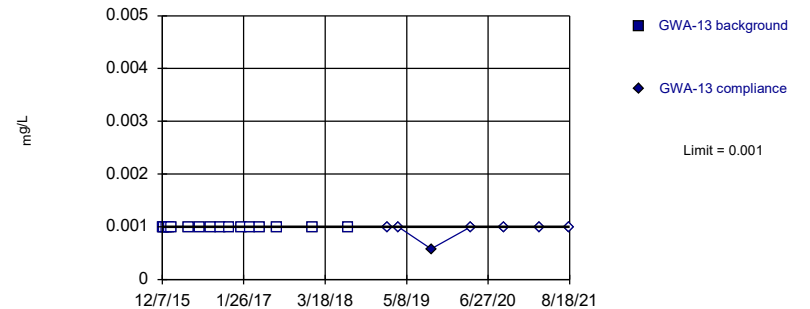


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

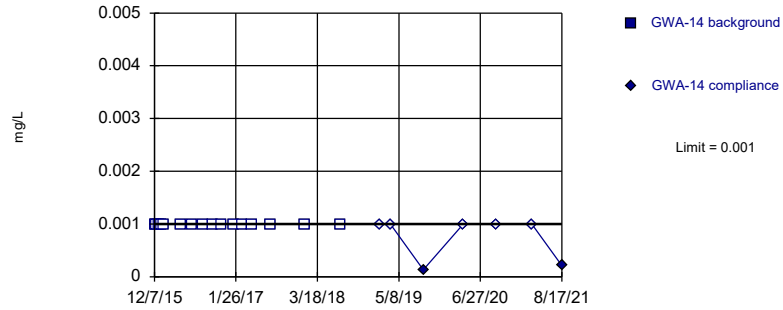


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

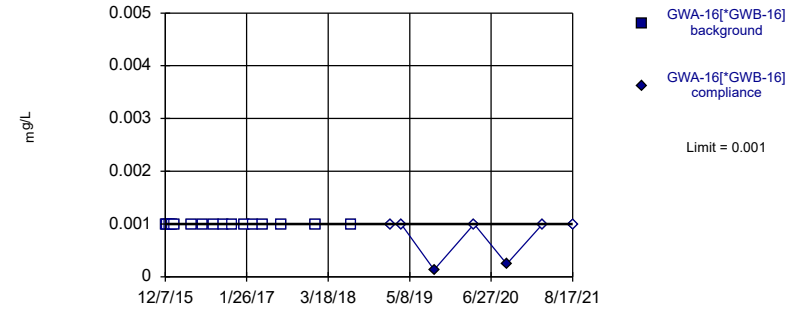


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

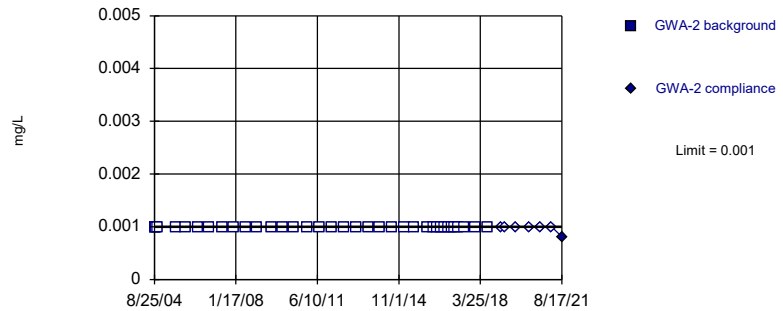


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

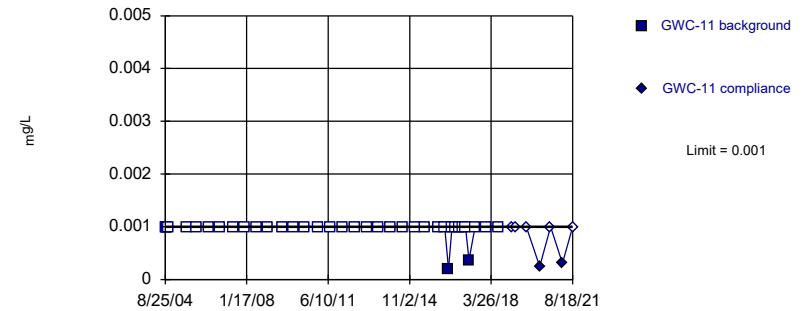


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

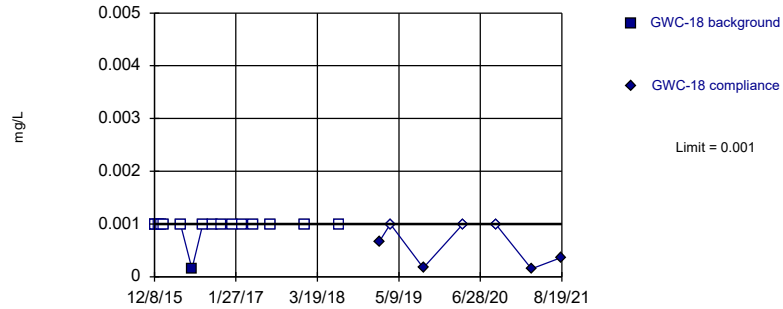


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:10 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

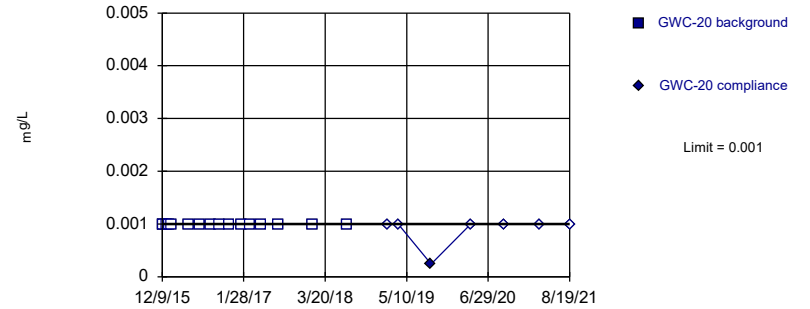


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:10 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

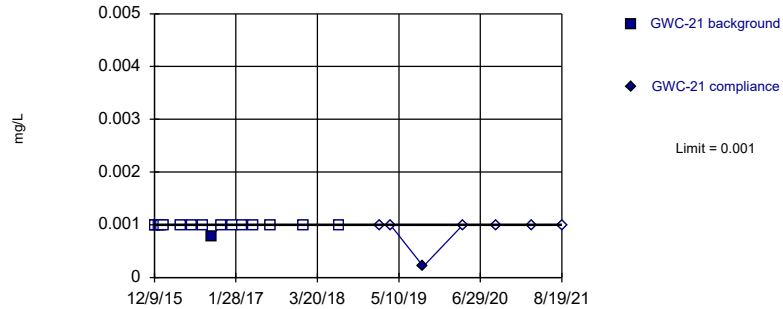


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

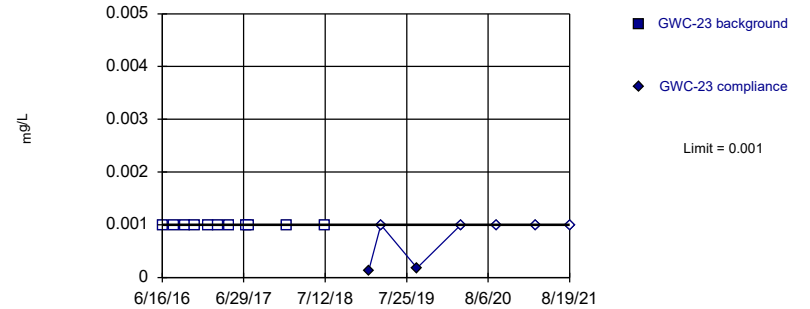


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

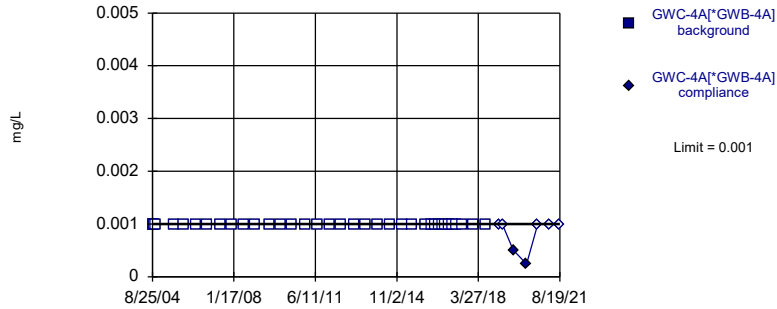


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

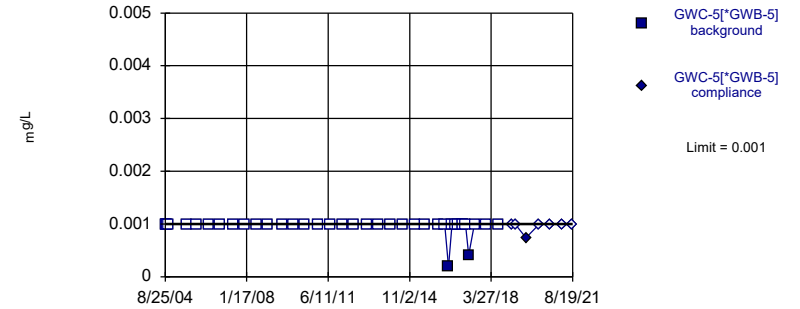


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

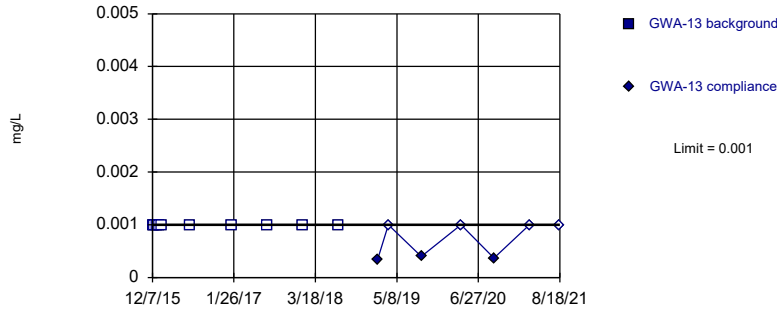


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Lead Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

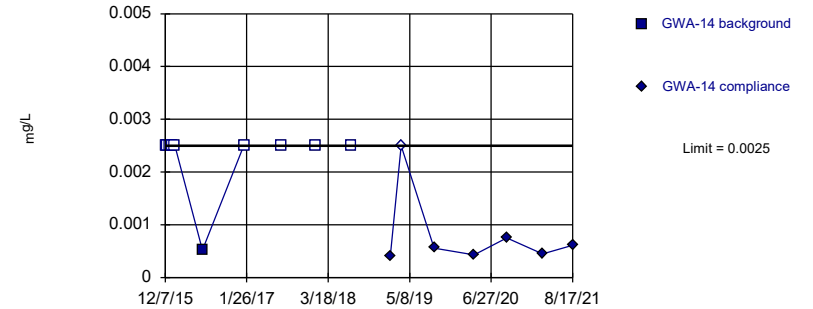


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

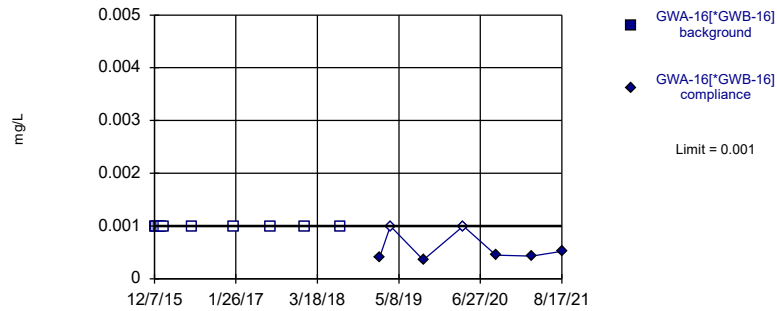


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

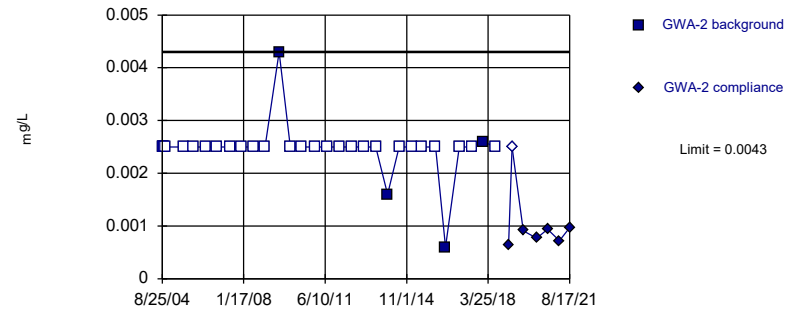


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

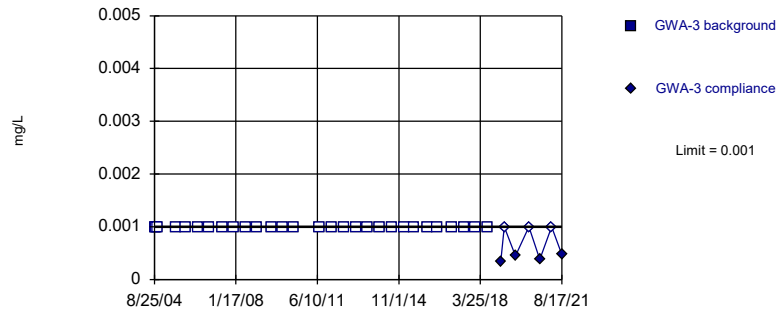


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

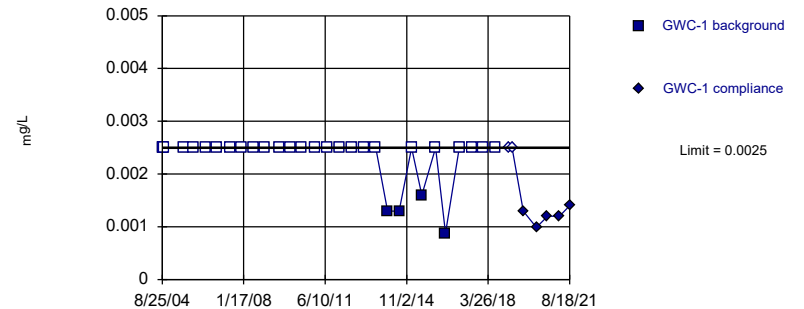


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0004147. Individual comparison alpha = 0.0002074 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

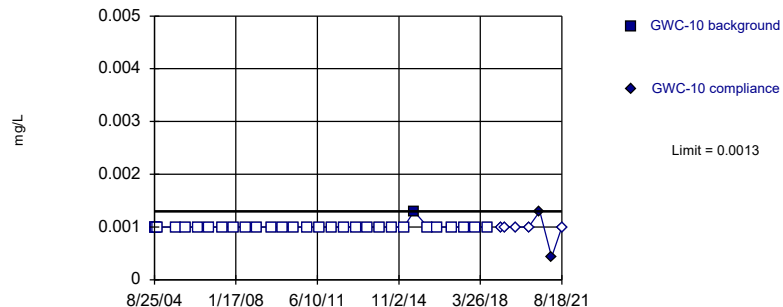


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

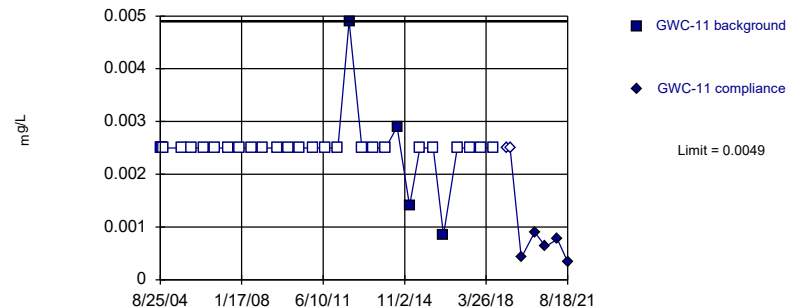


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

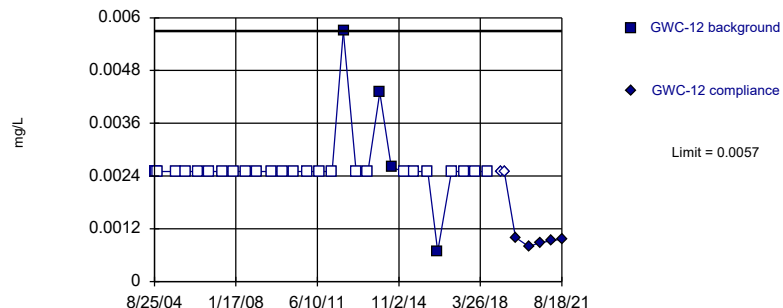


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

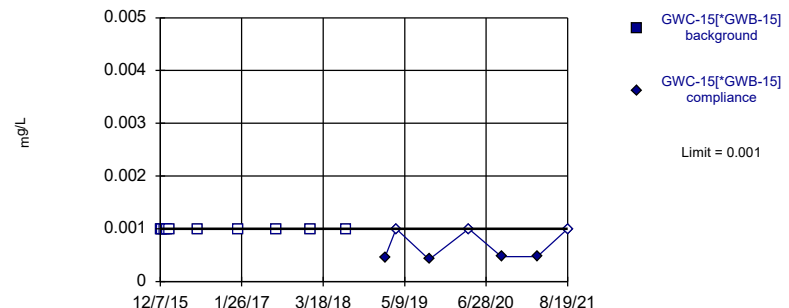


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

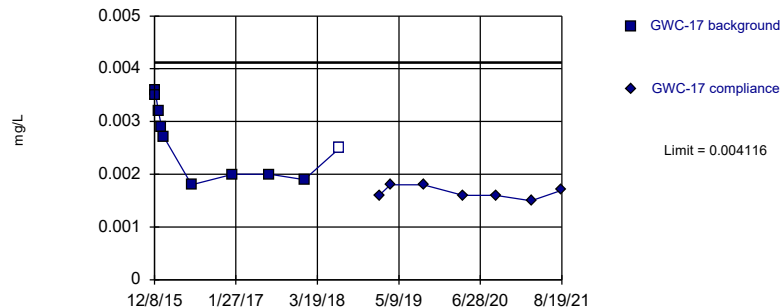


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

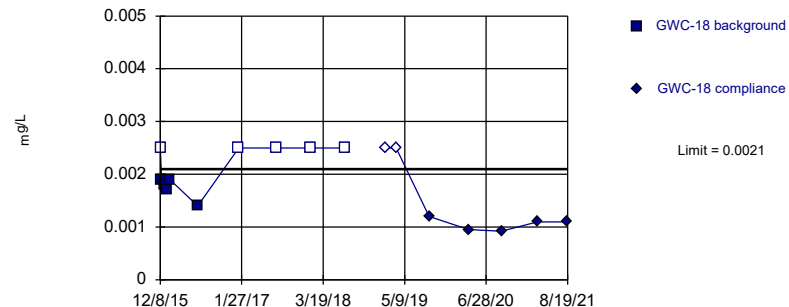


Background Data Summary: Mean=0.00261, Std. Dev.=0.0006773, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9065, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

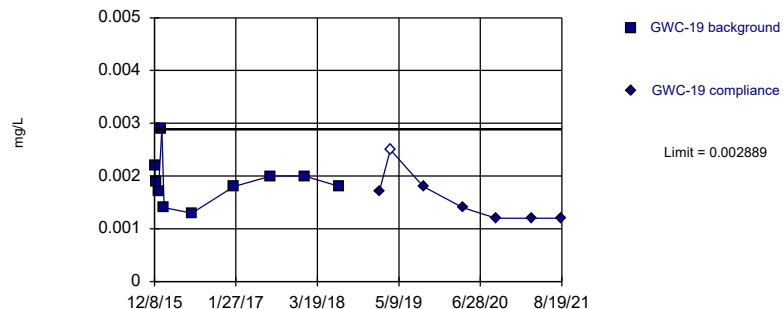


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001687, Std. Dev.=0.0001857, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8068, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

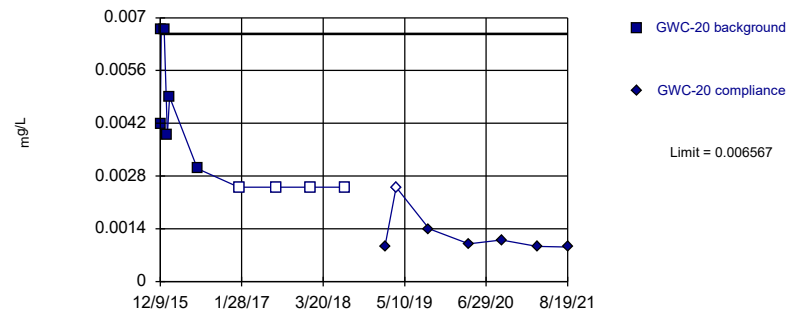


Background Data Summary: Mean=0.0019, Std. Dev.=0.0004447, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9122, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

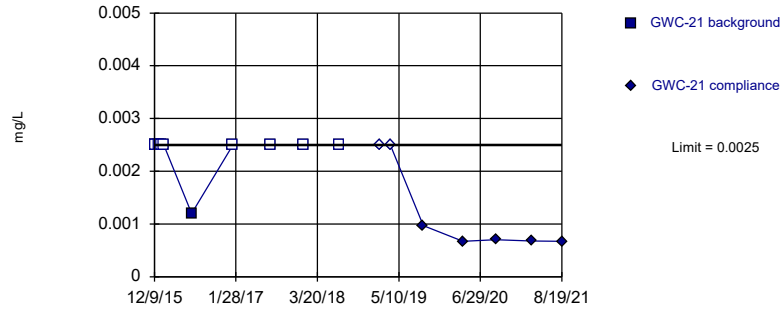


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003595, Std. Dev.=0.001337, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8151, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

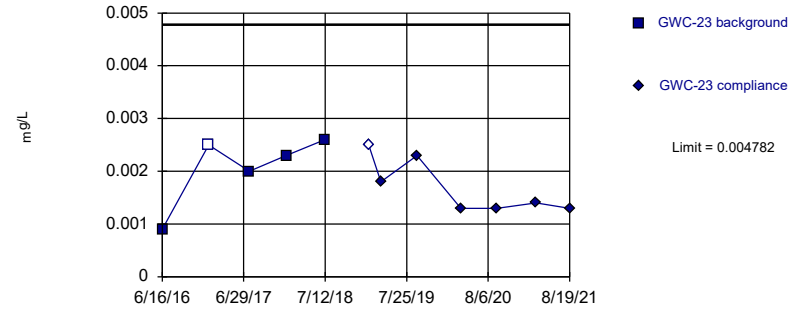


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

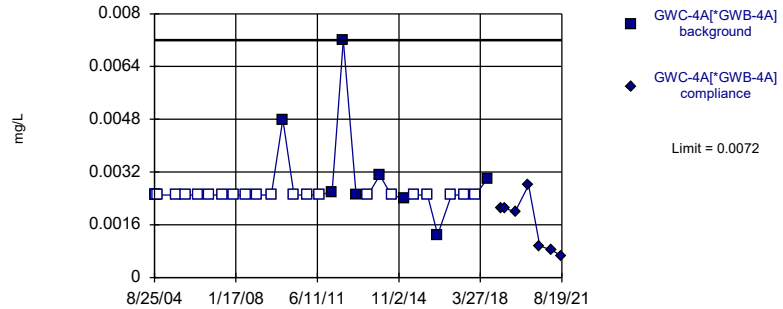


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001907, Std. Dev.=0.0006403, n=5, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8265, critical = 0.686. Kappa = 4.49 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

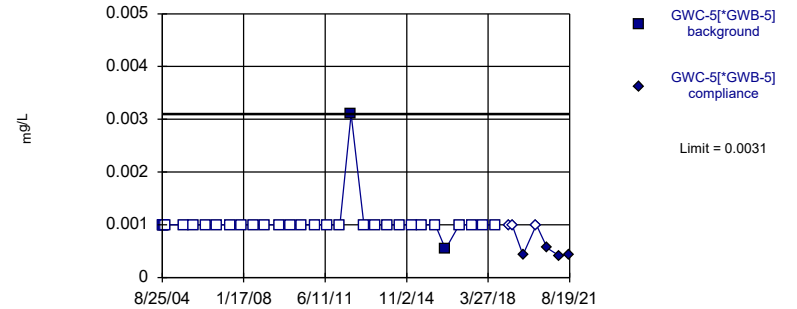


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 74.19% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric



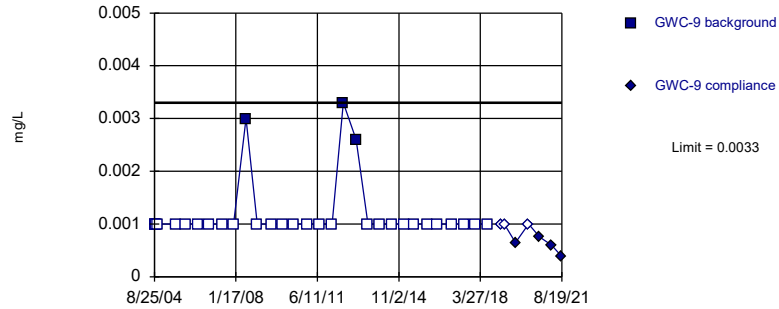
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

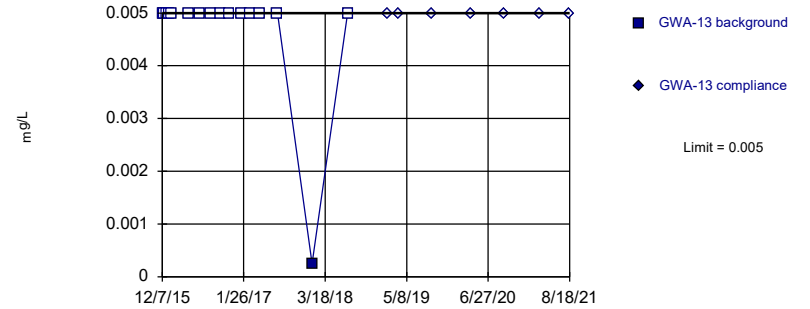


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

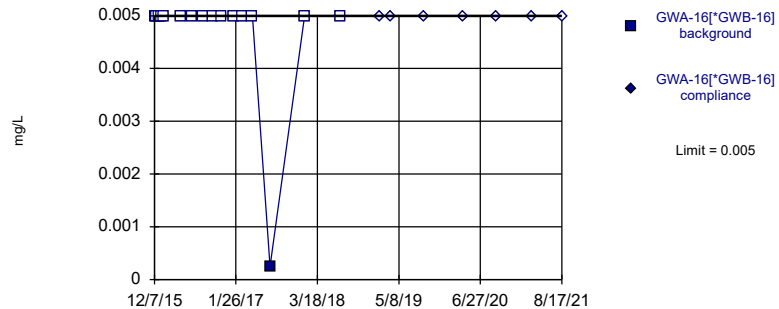


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

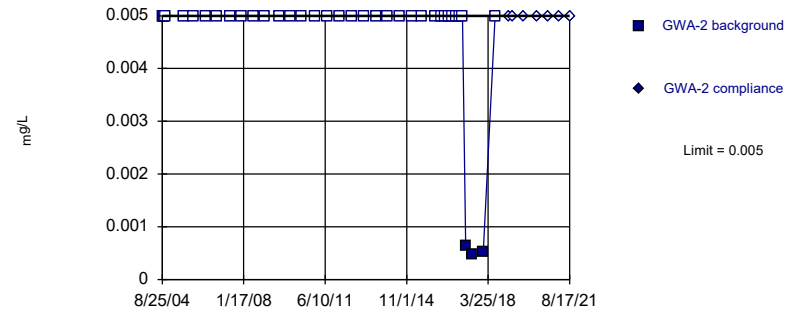


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

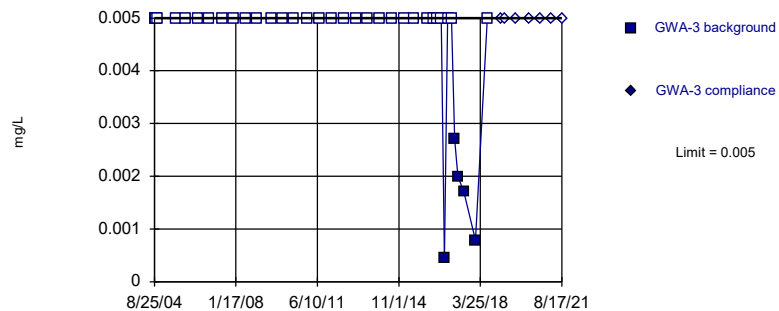


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

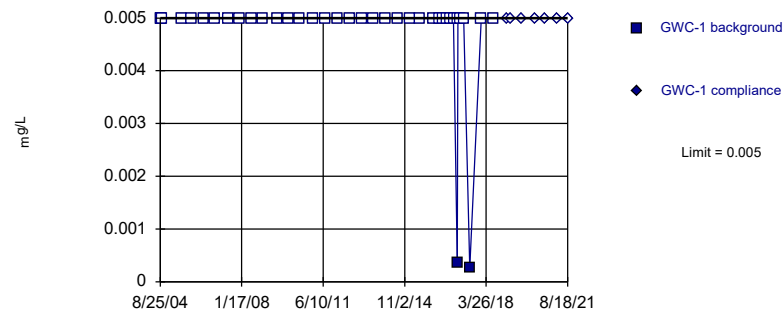


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 86.49% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

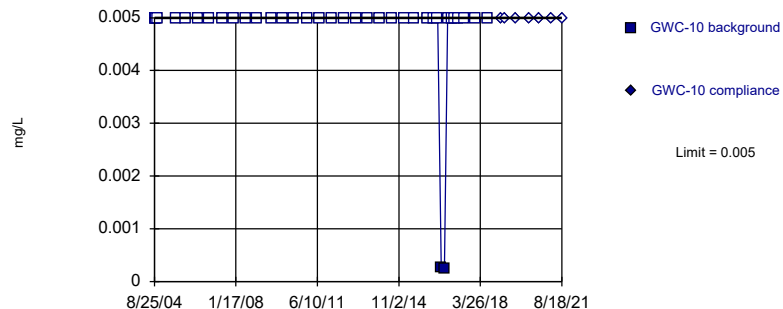


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

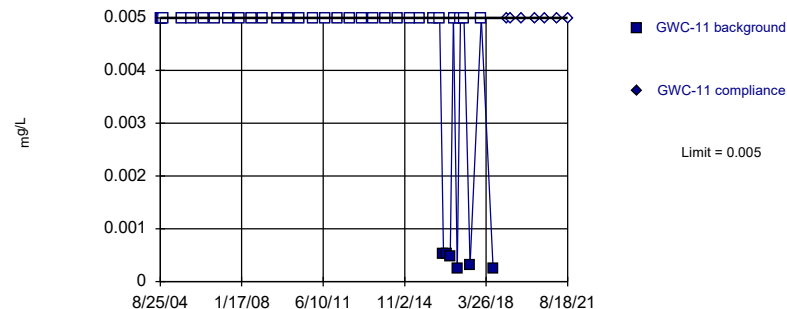


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

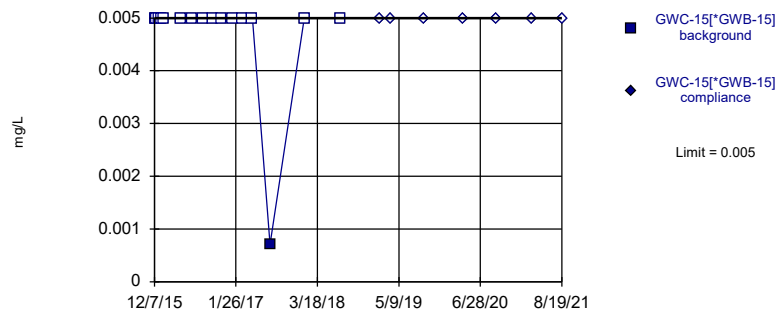


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

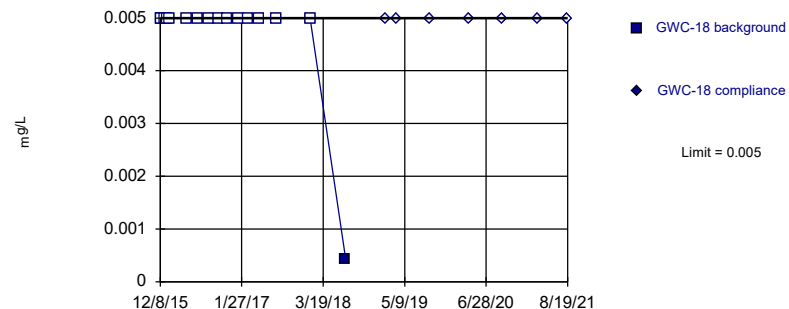


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

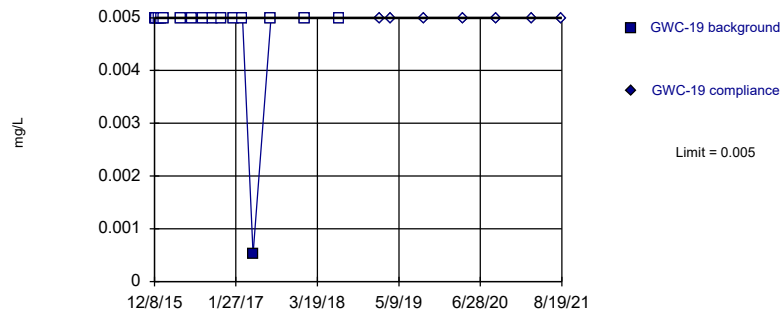


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

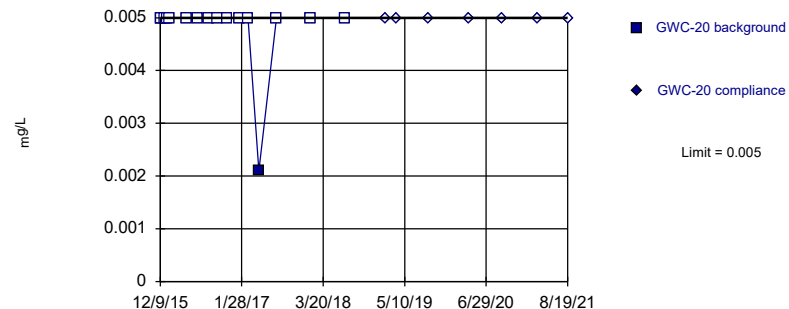


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

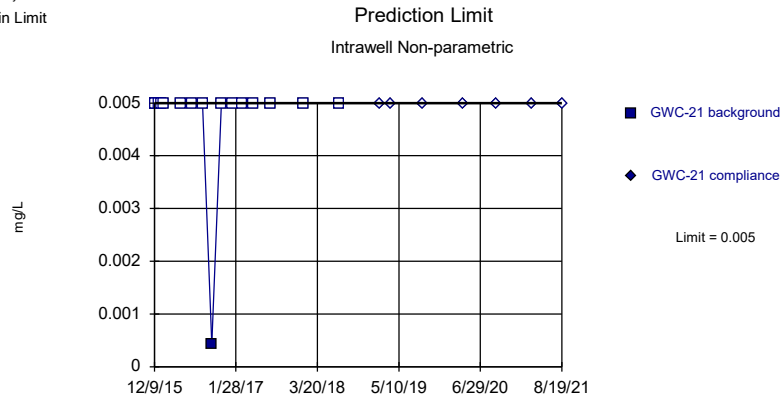
### Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

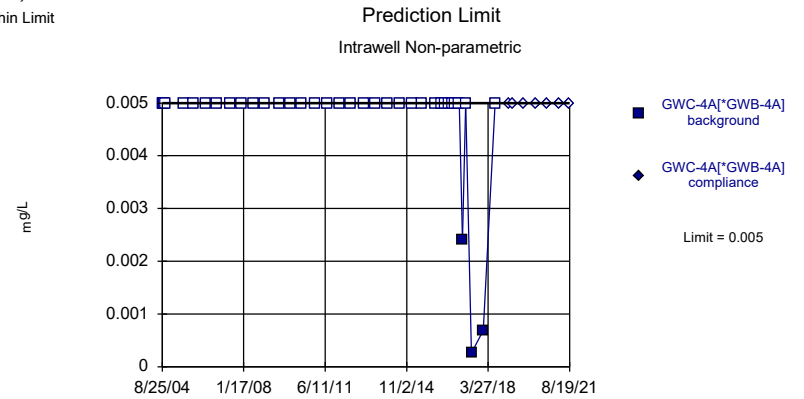
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

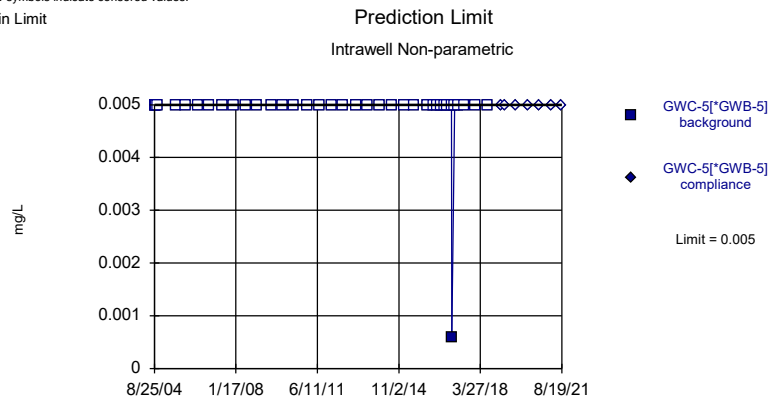
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

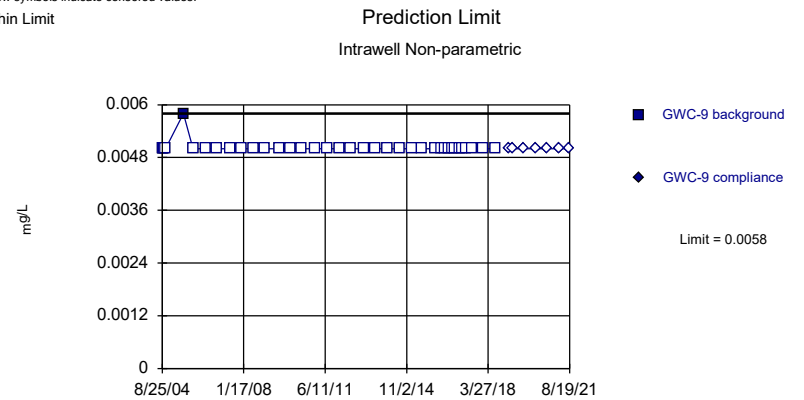
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.000192. Individual comparison alpha = 0.00009598 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

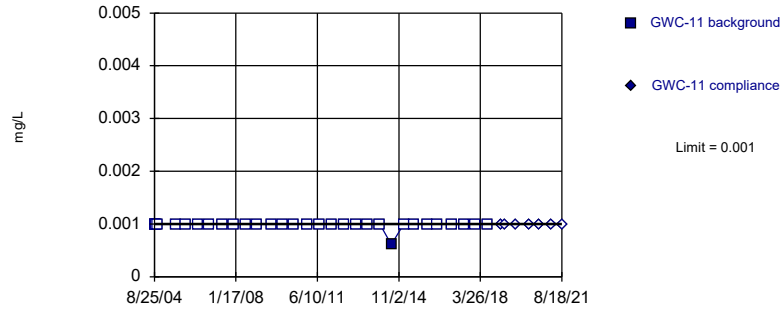


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

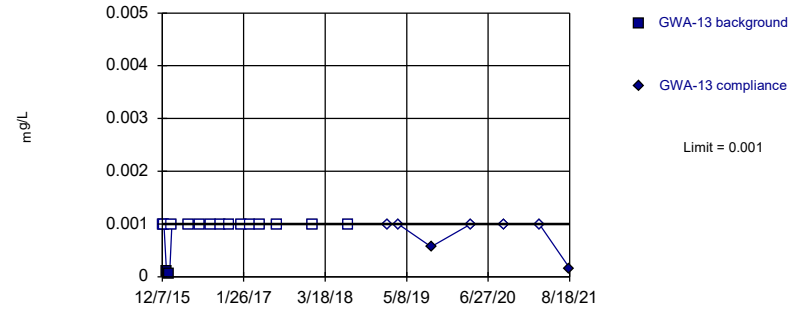


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Silver Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

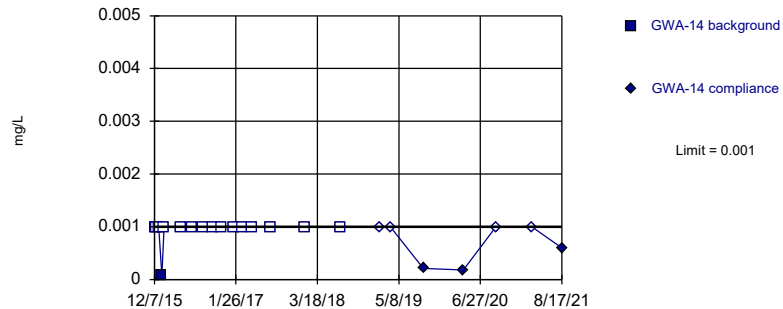


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

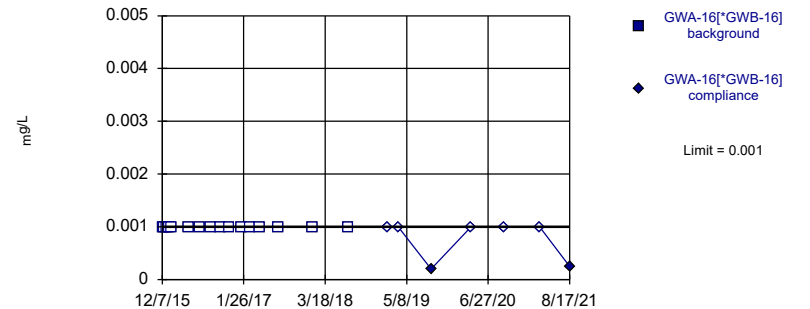


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

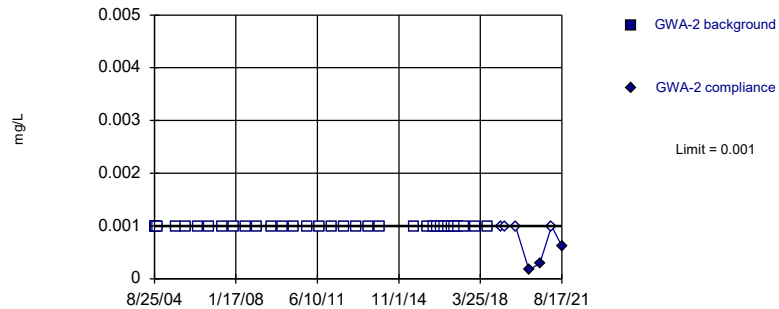


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

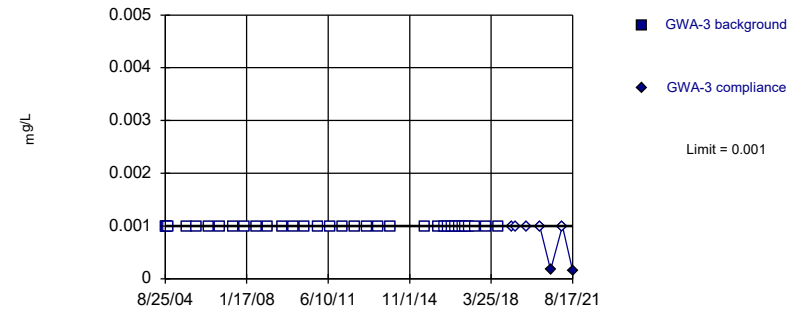


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

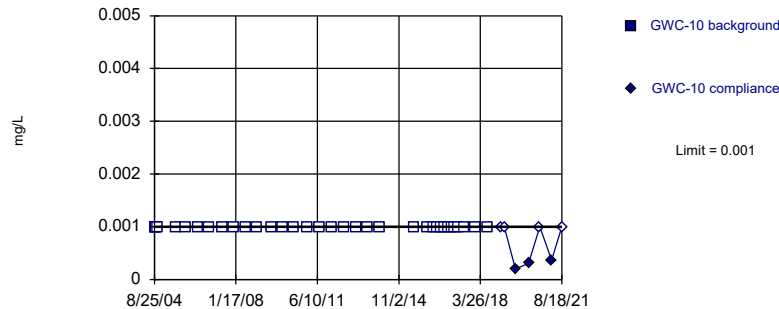


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

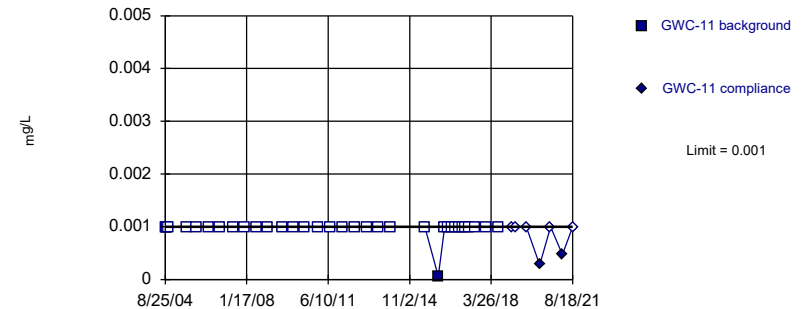


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Intrawell Non-parametric

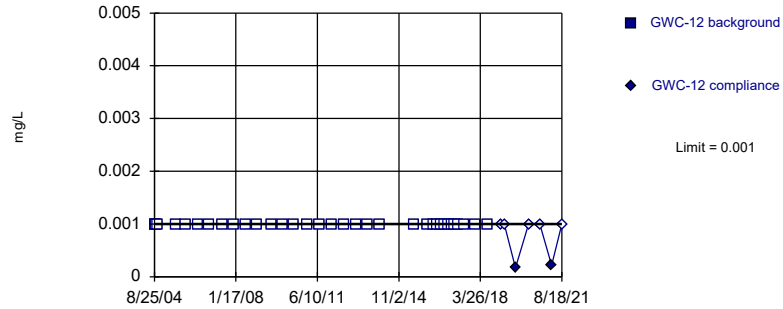


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 97.14% NDs. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

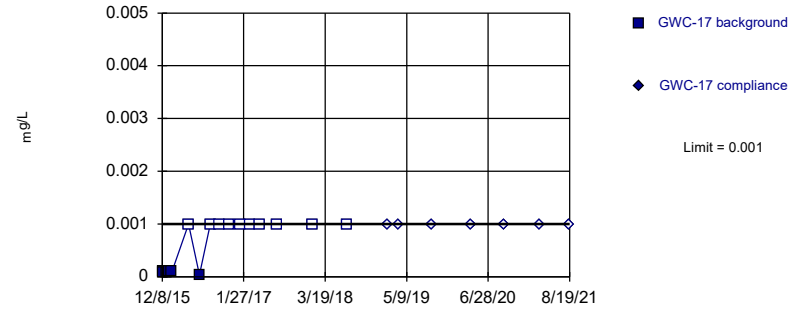


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

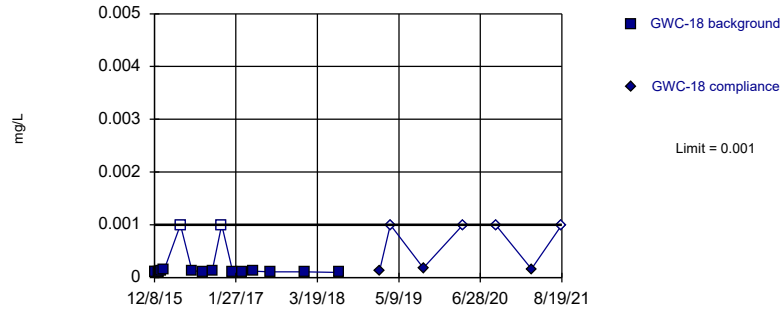


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

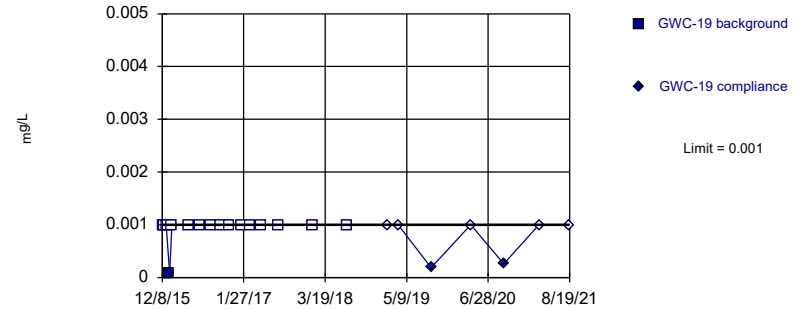


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

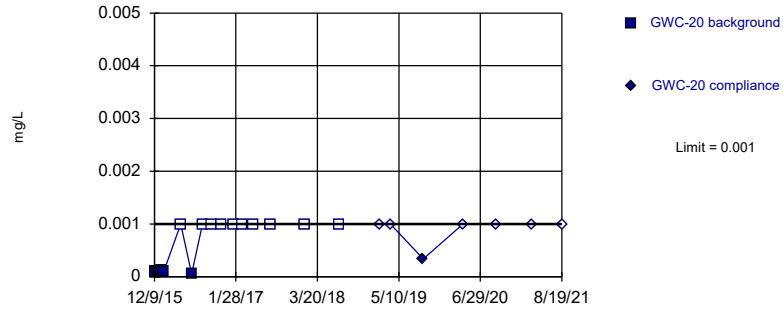


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

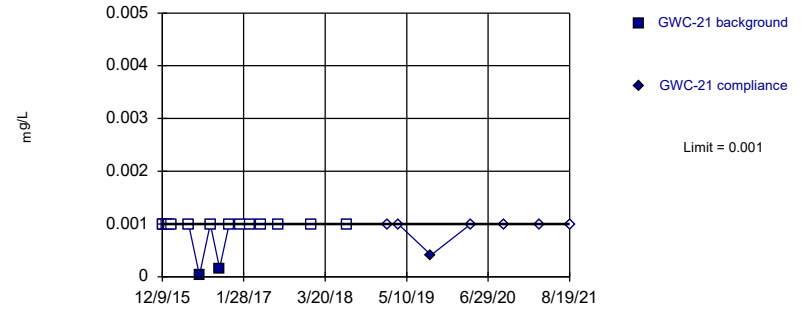


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

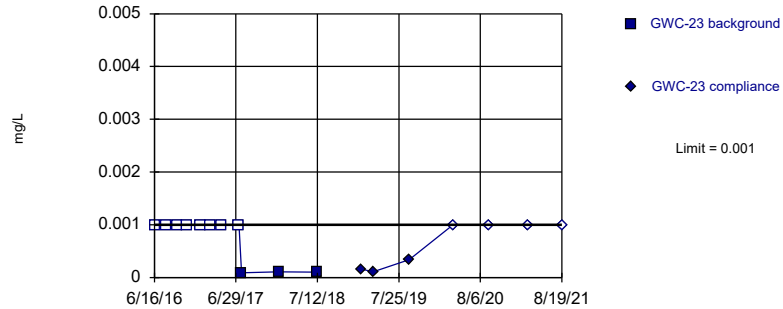


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

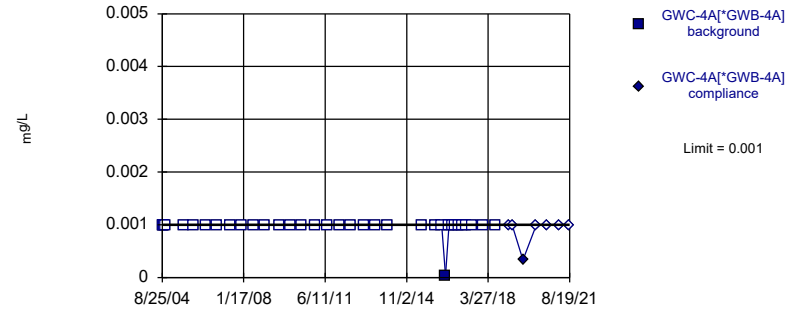


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric



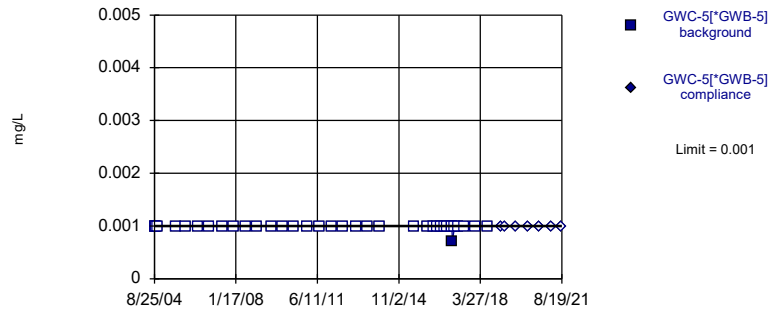
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 97.14% NDs. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

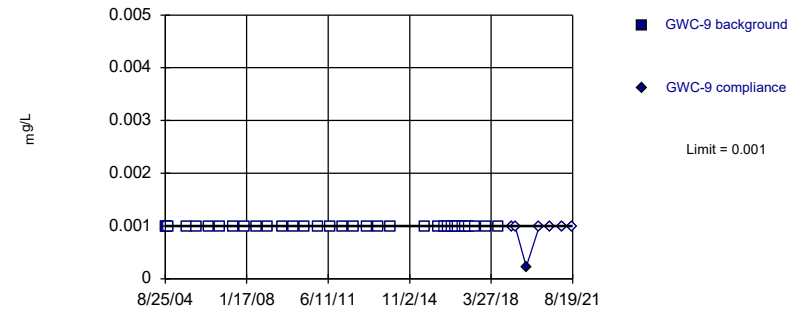


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

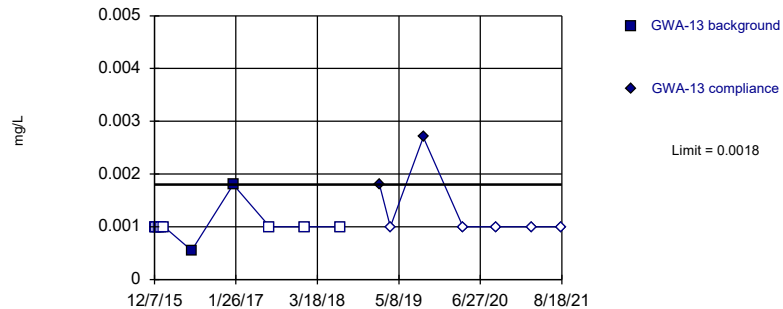


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

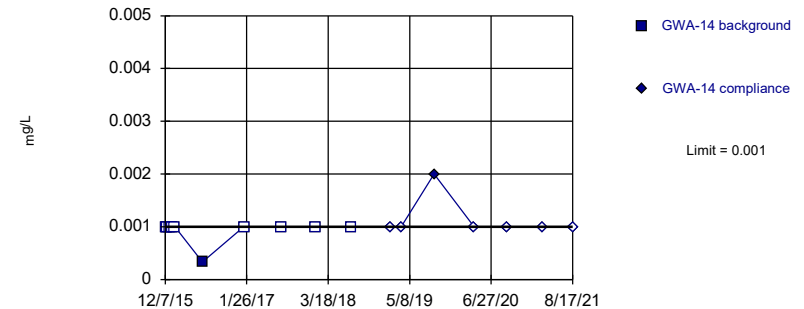


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

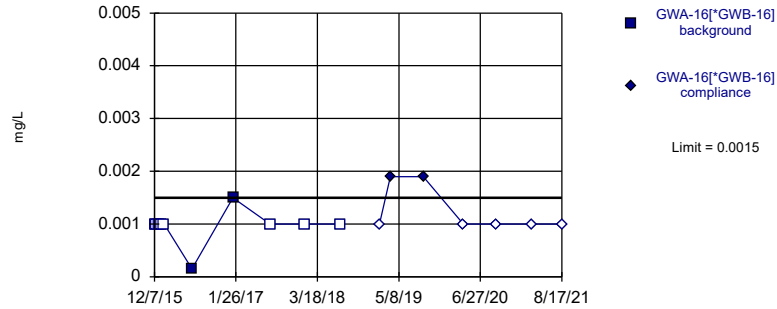


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

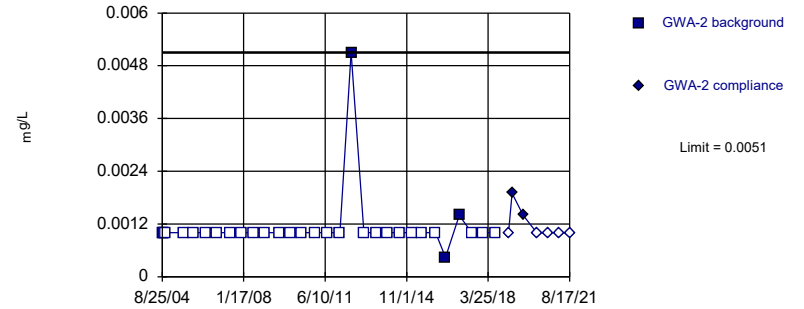


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

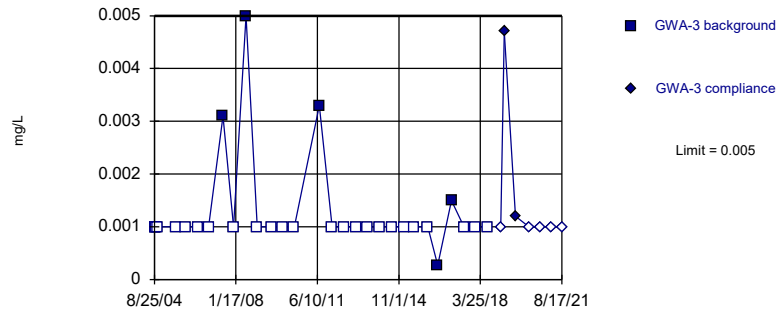


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

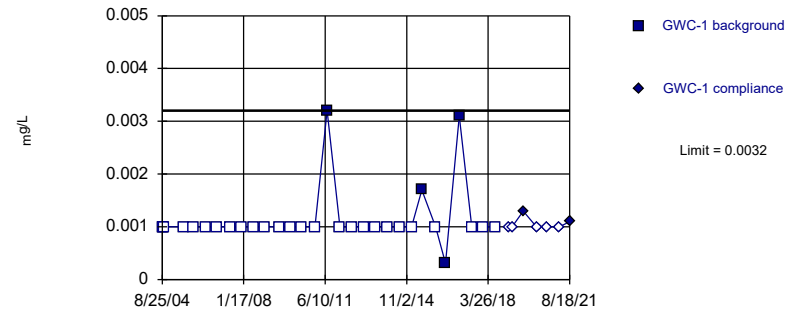


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

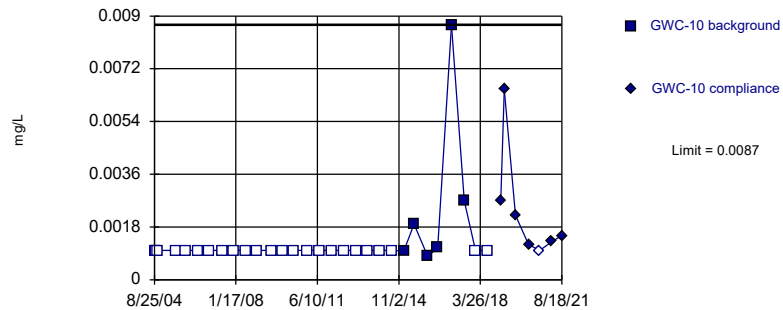


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

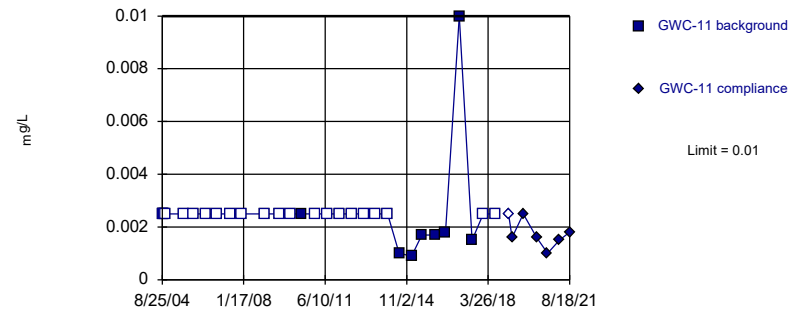


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 80.65% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

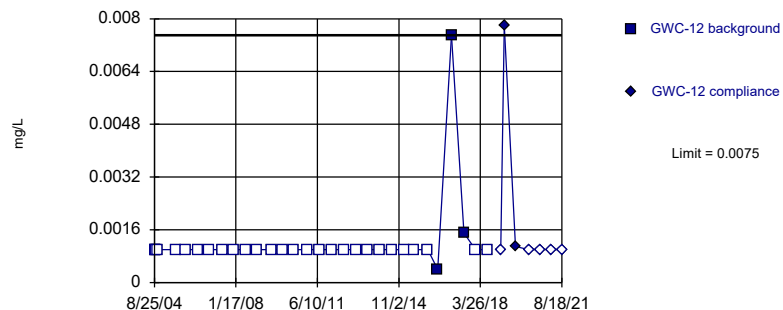


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

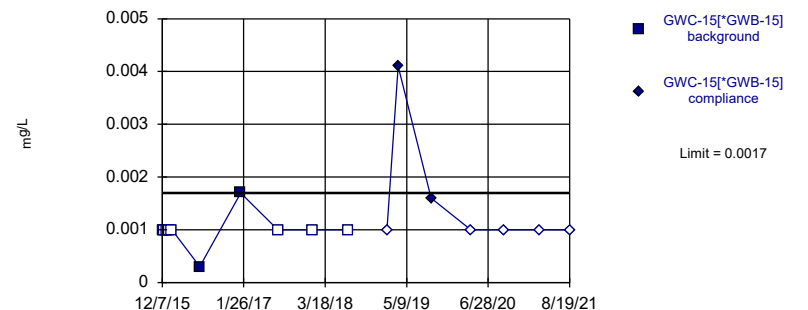


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit

Prediction Limit  
 Intrawell Non-parametric

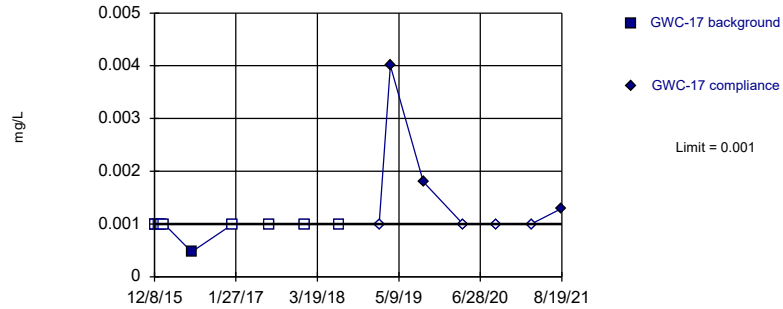


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

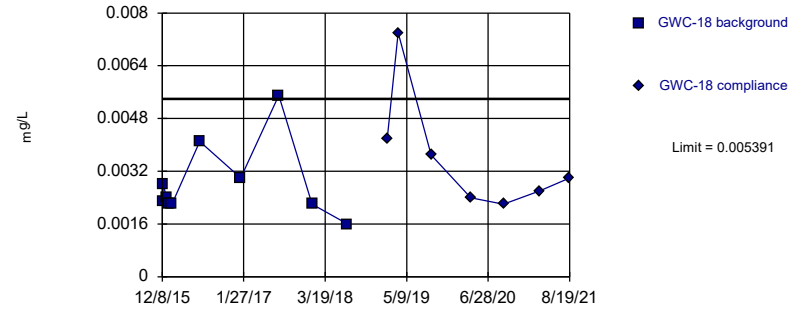


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Within Limit

Prediction Limit  
Intrawell Parametric

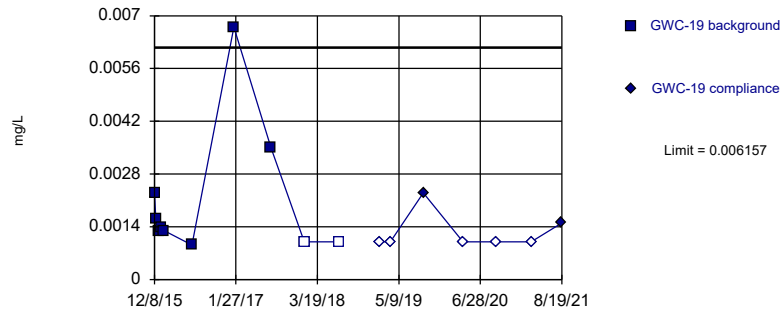


Background Data Summary: Mean=0.00283, Std. Dev.=0.001152, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8111, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

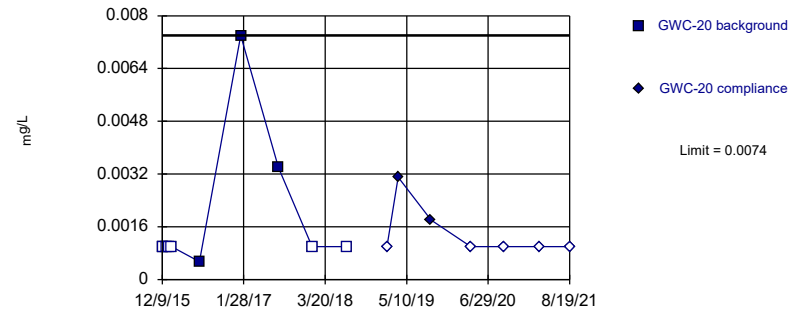


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1199, Std. Dev.=0.02849, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8028, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

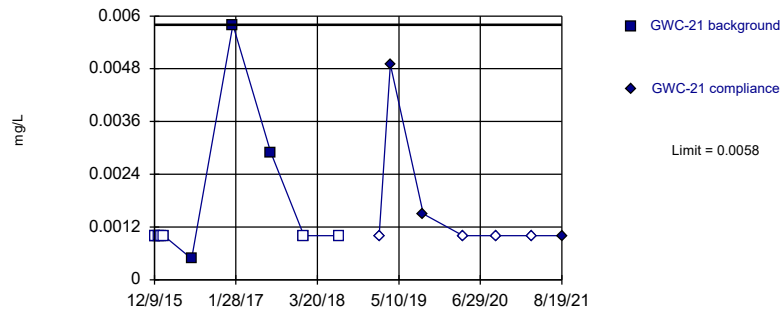


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

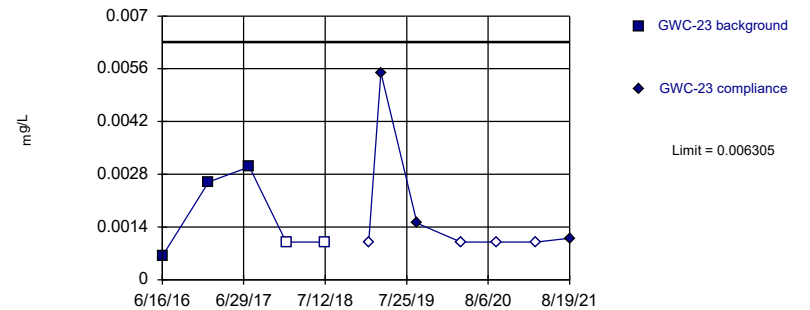


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

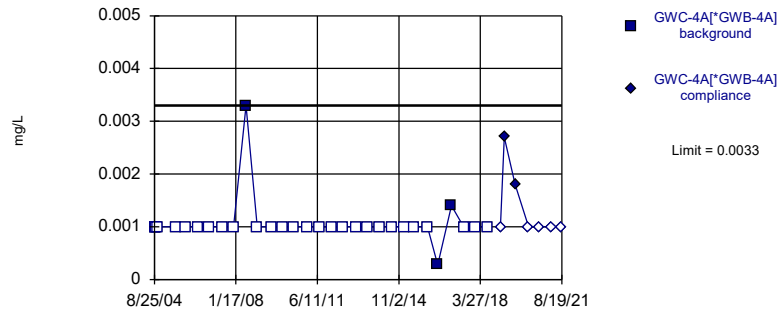


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001498, Std. Dev.=0.001071, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8343, critical = 0.686. Kappa = 4.49 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

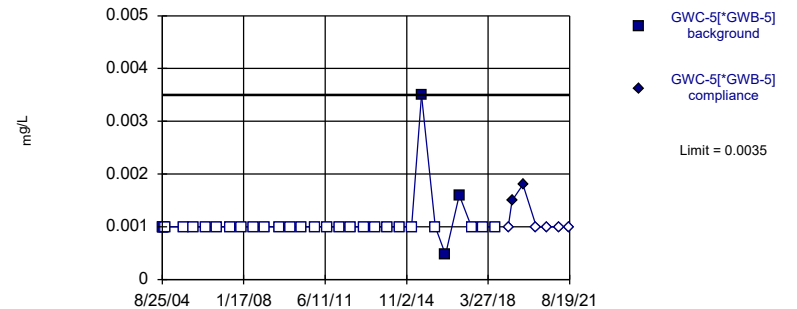


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

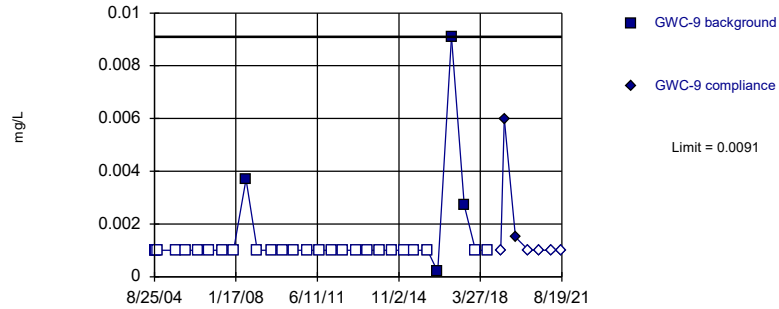


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

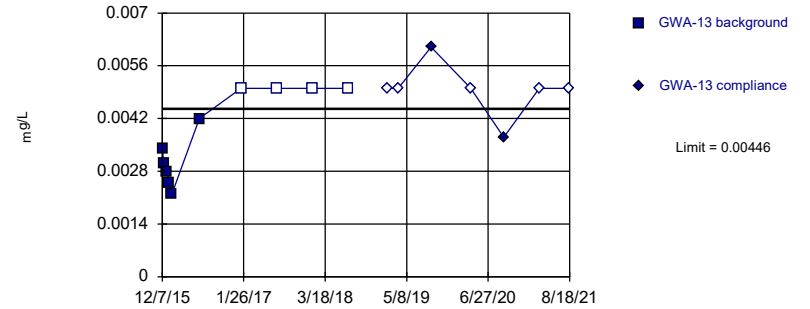


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

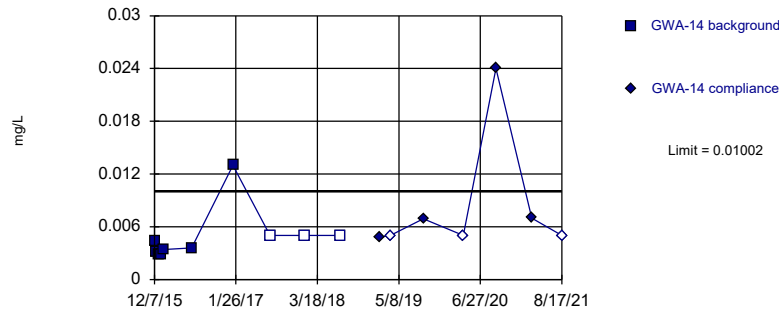


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003017, Std. Dev.=0.0006491, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8435, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

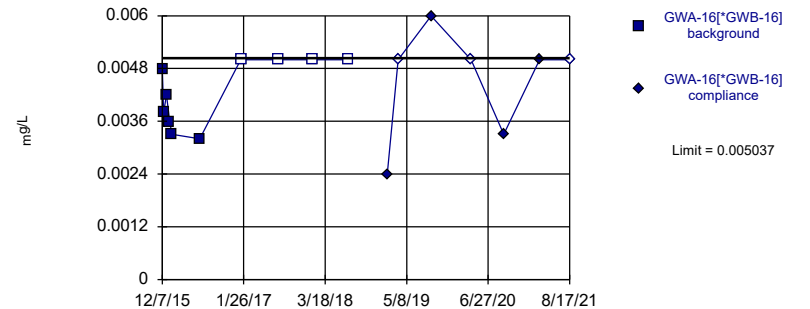


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.575, Std. Dev.=0.437, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8151, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

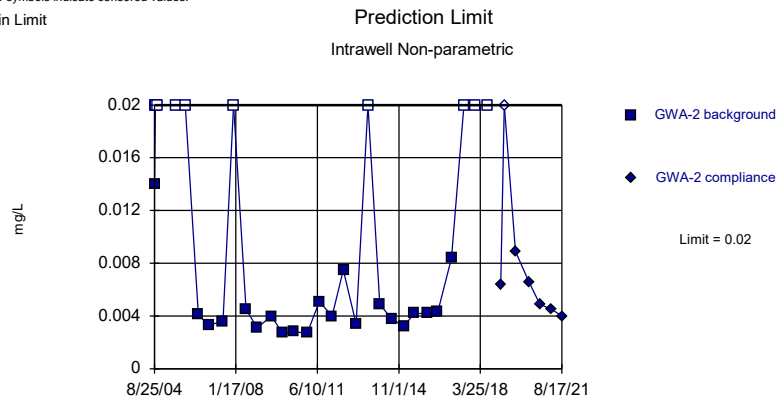
Prediction Limit  
Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003817, Std. Dev.=0.000549, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8234, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

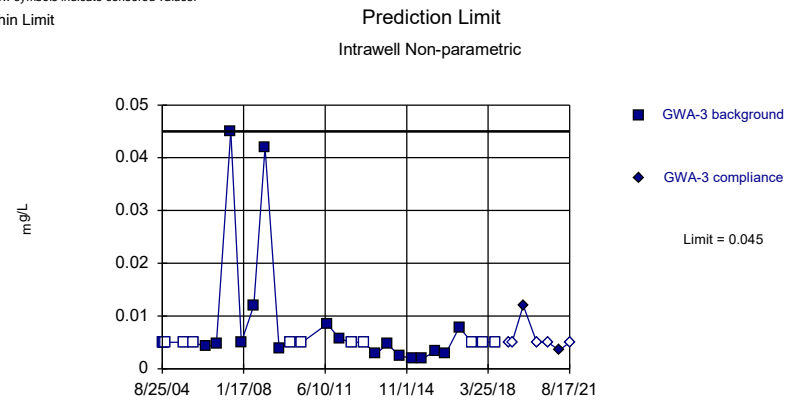
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



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 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

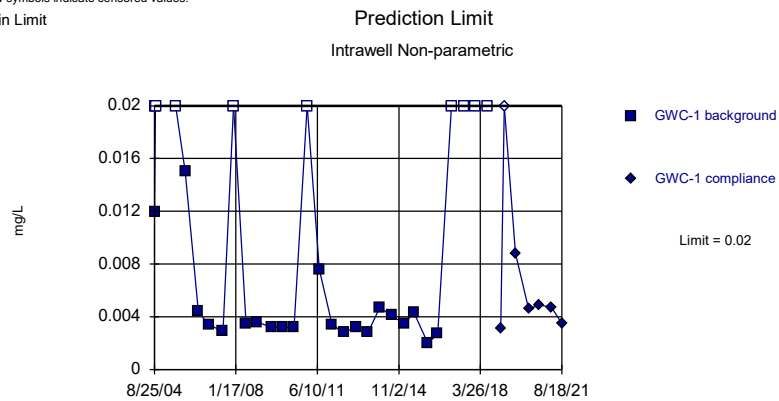
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



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 30 background values. 43.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

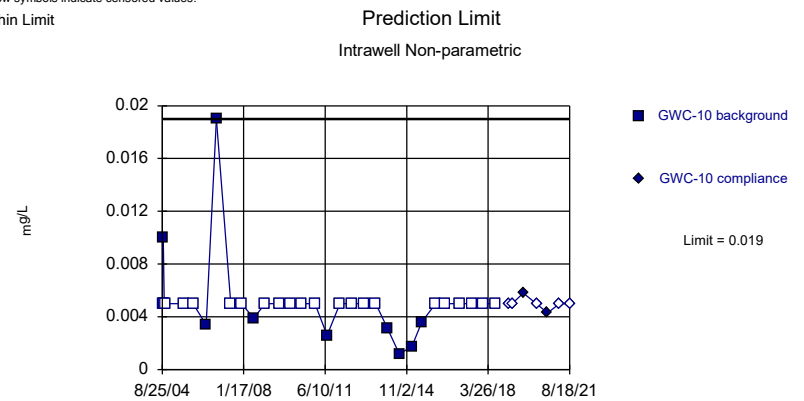
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



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 30 background values. 30% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:11 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



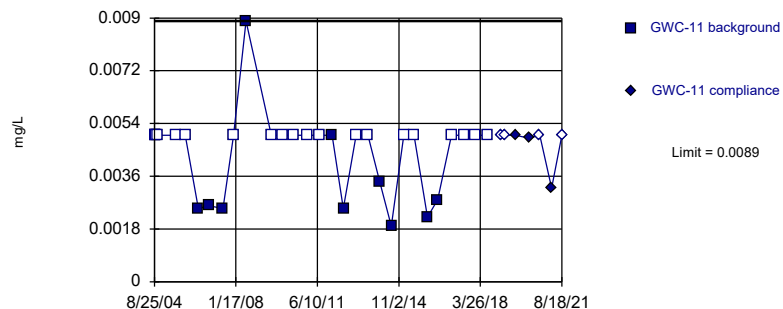
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 70.97% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



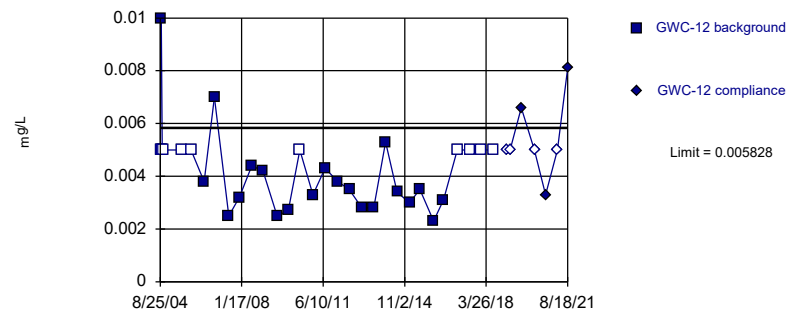
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit  
Intrawell Parametric



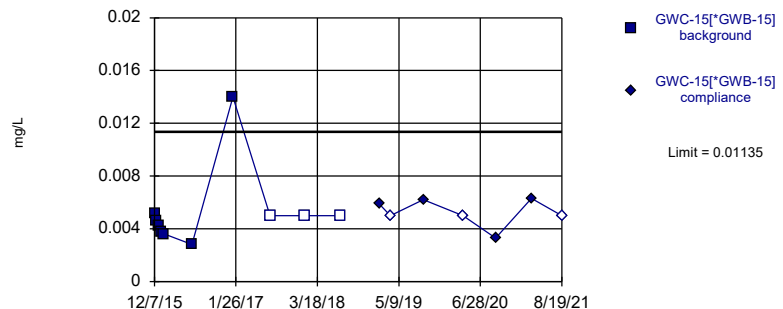
Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1507, Std. Dev.=0.01782, n=31, 32.26% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.902. Kappa = 1.641 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



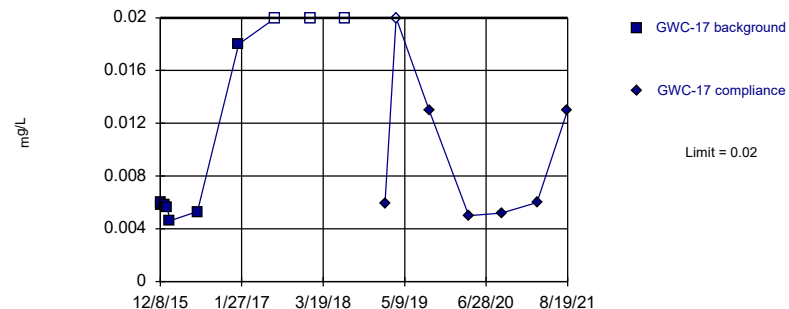
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.422, Std. Dev.=0.4242, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7931, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric

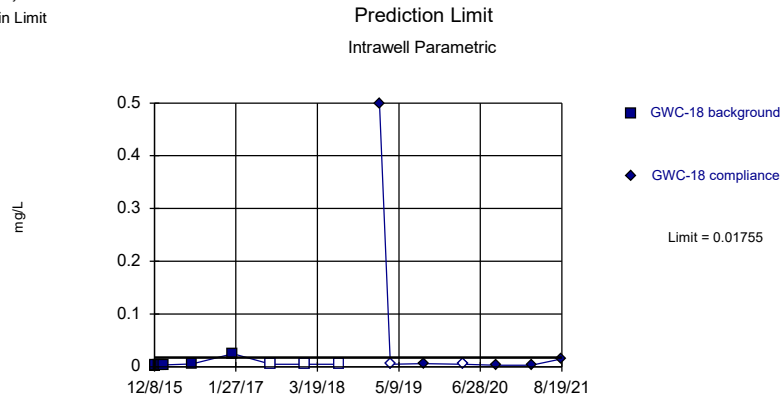


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 30% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



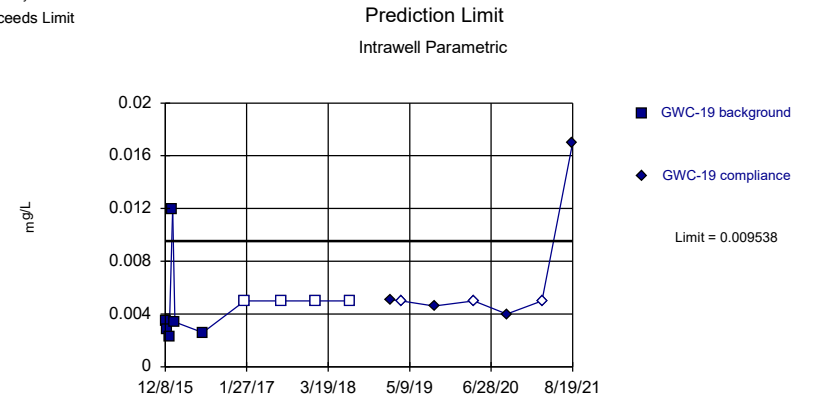
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.696, Std. Dev.=0.7436, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8386, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

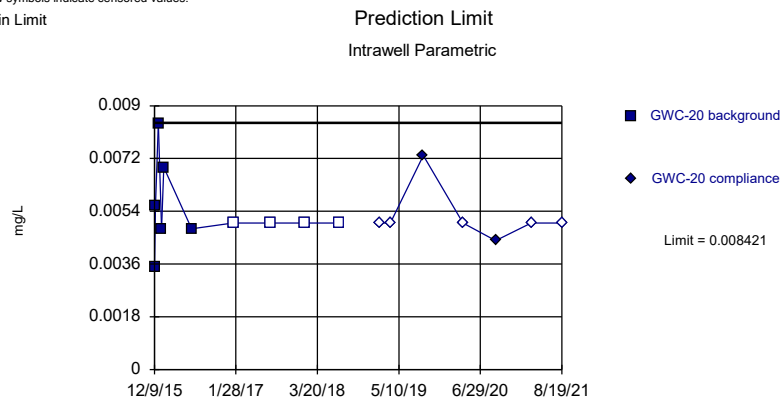
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Exceeds Limit



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05943, Std. Dev.=0.01719, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8064, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

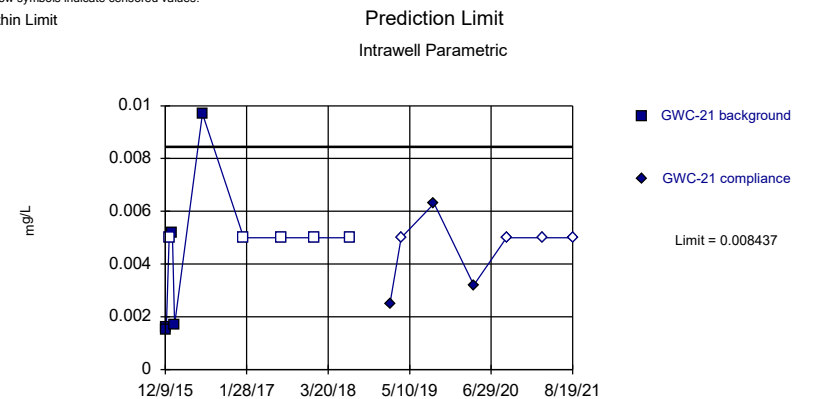
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004843, Std. Dev.=0.001609, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8304, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

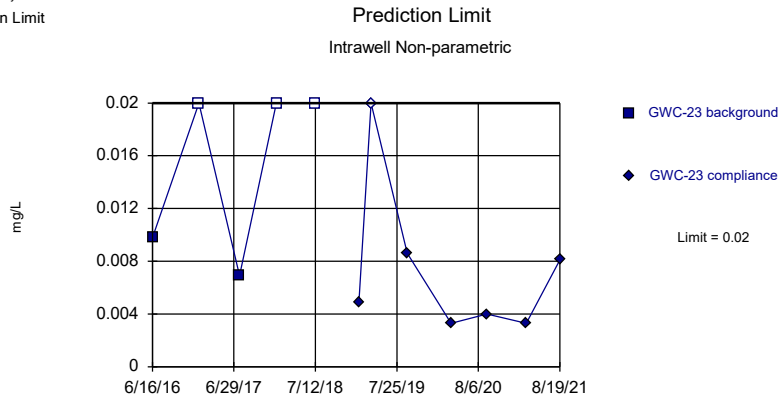
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00277, Std. Dev.=0.002548, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8057, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

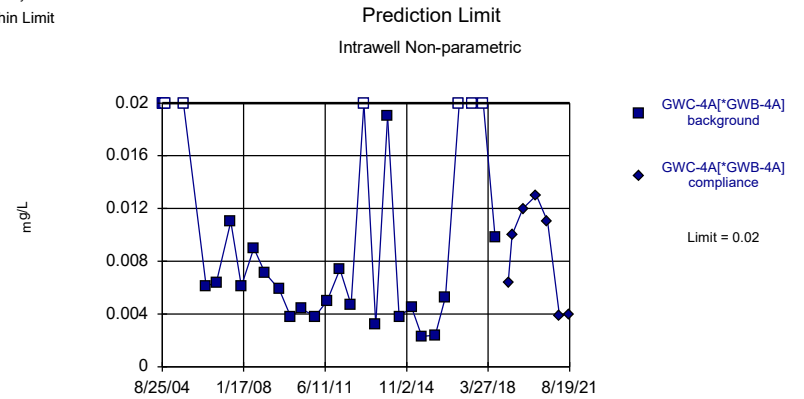
Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

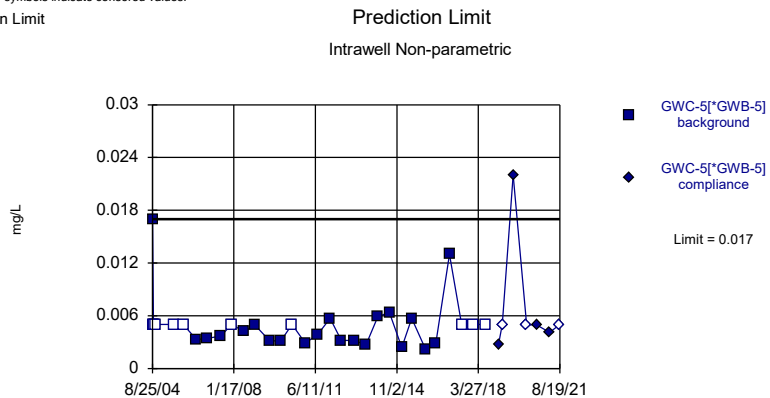
Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit



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 30 background values. 30% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

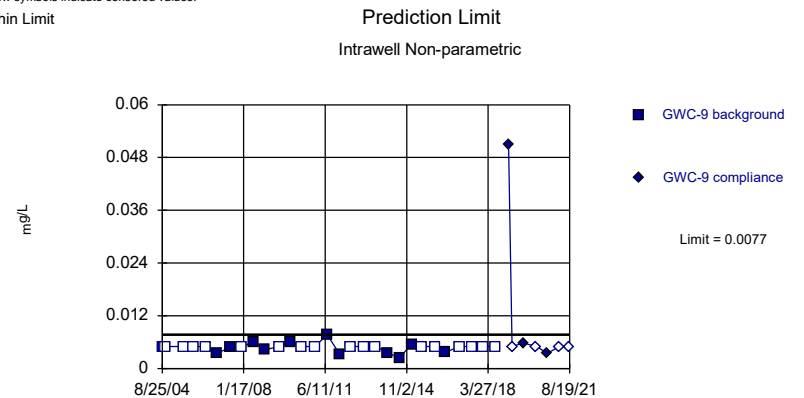
Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit



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 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Santas™ v.9.6.31 . UG  
 Hollow symbols indicate censored values.  
 Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 64.52% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 9/26/2021 9:12 PM View: Appendix I  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.002	
12/15/2015	<0.002	
12/29/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	<0.002	
4/20/2016	<0.002	
6/14/2016	<0.002	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/12/2017	<0.002	
2/28/2017	<0.002	
4/20/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.00052 (J)
3/31/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/18/2021		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.002	
12/15/2015	<0.002	
12/29/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	<0.002	
4/20/2016	<0.002	
6/14/2016	<0.002	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/11/2017	<0.002	
2/28/2017	<0.002	
4/20/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		<0.002
4/1/2020		<0.002
9/15/2020		0.00039 (J)
3/16/2021		<0.002
8/17/2021		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/28/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/20/2013	<0.002	
7/19/2013	<0.002	
1/15/2014	<0.002	
7/11/2014	<0.002 (D)	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/16/2016	<0.002	
4/19/2016	<0.002	
6/14/2016	<0.002	
8/9/2016	<0.002	
9/26/2016	<0.002	
11/15/2016	<0.002	
1/10/2017	<0.002	
2/28/2017	<0.002	
4/19/2017	<0.002	
7/17/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/27/2019		<0.002
9/11/2019		<0.002
4/1/2020		0.0004 (J)
9/15/2020		<0.002
3/16/2021		<0.002
8/17/2021		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/28/2009	<0.002	
6/22/2010	<0.002	
1/5/2011	<0.002	
7/9/2011	<0.002	
1/20/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	<0.002	
7/18/2013	<0.002	
1/15/2014	<0.002	
7/11/2014	<0.002 (D)	
1/15/2015	<0.002	
6/19/2015	<0.002	
1/16/2016	<0.002	
4/19/2016	<0.002	
6/14/2016	<0.002	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/14/2016	<0.002	
1/10/2017	<0.002	
2/28/2017	<0.002	
4/19/2017	<0.002	
7/18/2017	0.0022 (J)	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.00081 (J)
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/17/2021		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	<0.002	
12/14/2015	<0.002	
12/28/2015	<0.002	
1/14/2016	<0.002	
1/26/2016	<0.002	
4/19/2016	<0.002	
6/16/2016	0.00022 (J)	
8/11/2016	<0.002	
9/28/2016	<0.002	
11/16/2016	<0.002	
1/11/2017	<0.002	
3/1/2017	<0.002	
4/25/2017	<0.002	
7/25/2017	<0.002	
1/12/2018	<0.002	
7/11/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		<0.002
4/1/2020		<0.002
9/15/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00076 (J)
3/31/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/18/2021		<0.001



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00043 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019	<0.001	<0.001
3/26/2019	<0.001	<0.001
9/10/2019		0.00036 (J)
4/1/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	<0.001	
8/17/2021	<0.001	

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	0.0089 (o)	
7/9/2011	<0.001	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
4/19/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/14/2016	<0.001	
1/10/2017	<0.001	
2/28/2017	0.00061 (J)	
4/19/2017	0.00069 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0011
9/11/2019		<0.001
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-1	GWC-1
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/16/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	<0.001	
1/23/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/18/2021		0.0004 (J)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10
8/25/2004	<0.0013	
9/11/2004	<0.0013	
9/26/2004	<0.0013	
10/13/2004	<0.0013	
7/11/2005	<0.0013	
12/7/2005	<0.0013	
6/22/2006	<0.0013	
11/28/2006	<0.0013	
7/6/2007	<0.0013	
12/13/2007	<0.0013	
6/20/2008	<0.0013	
12/7/2008	<0.0013	
7/10/2009	<0.0013	
12/29/2009	<0.0013	
6/22/2010	<0.0013	
1/4/2011	<0.0013	
7/10/2011	<0.0013	
1/21/2012	<0.0013	
7/11/2012	<0.0013	
1/20/2013	<0.0013	
7/19/2013	<0.0013	
1/16/2014	<0.0013	
7/10/2014	<0.0013	
1/16/2015	<0.0013	
6/20/2015	<0.0013	
1/16/2016	<0.0013	
4/21/2016	<0.0013	
6/16/2016	0.0004 (J)	
8/10/2016	<0.0013	
9/27/2016	<0.0013	
11/15/2016	<0.0013	
1/12/2017	0.00077 (J)	
3/1/2017	<0.0013	
4/24/2017	<0.0013	
7/24/2017	<0.0013	
1/11/2018	0.00046 (J)	
7/12/2018	<0.0013	
1/30/2019		<0.0013
3/27/2019		0.0013
9/11/2019		0.00082 (J)
4/1/2020		0.00055 (J)
9/15/2020		0.00041 (J)
3/16/2021		0.00069 (J)
8/18/2021		0.00045 (J)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/10/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/5/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/19/2013	<0.005	
1/15/2014	<0.005	
7/11/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/14/2016	<0.005	
4/20/2016	0.00117 (J)	
6/15/2016	0.0013 (J)	
8/10/2016	0.0013	
9/27/2016	0.0011 (J)	
11/15/2016	0.001 (J)	
1/12/2017	0.0016	
3/1/2017	0.00092 (J)	
4/24/2017	0.0011 (J)	
7/24/2017	0.00086 (J)	
1/11/2018	0.0012 (J)	
7/12/2018	0.001 (J)	
1/30/2019		0.0015 (J)
3/27/2019		0.0013
9/11/2019		0.0017
4/2/2020		0.0014
9/15/2020		0.0011
3/17/2021		0.0014
8/18/2021		0.0013

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	0.00062 (J)	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/20/2017	0.00053 (J)	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0011
9/11/2019		0.00032 (J)
4/1/2020		<0.001
9/16/2020		<0.001
3/16/2021		<0.001
8/18/2021		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/21/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	0.00056 (J)	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.00075
9/11/2019		0.00033 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/26/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	0.00015 (J)	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	0.00047 (J)	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.00097
9/11/2019		0.00038 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	<0.0013	
12/14/2015	<0.0013	
12/28/2015	<0.0013	
1/14/2016	<0.0013	
1/26/2016	<0.0013	
4/19/2016	0.00112 (J)	
6/16/2016	0.0011 (J)	
8/11/2016	0.001 (J)	
9/28/2016	0.00062 (J)	
11/16/2016	0.00046 (J)	
1/11/2017	0.00093 (J)	
3/1/2017	0.0006 (J)	
4/25/2017	0.0011 (J)	
7/25/2017	0.001 (J)	
1/12/2018	0.00095 (J)	
7/11/2018	0.0007 (J)	
1/30/2019		<0.0013
3/27/2019		0.0019
9/11/2019		0.0012
4/1/2020		0.00067
9/15/2020		0.00076 (J)
3/17/2021		0.00072 (J)
8/19/2021		0.00059 (J)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/14/2016	<0.001	
1/26/2016	<0.001	
4/19/2016	<0.001	
6/16/2016	0.00026 (J)	
8/10/2016	<0.001	
9/28/2016	<0.001	
11/15/2016	<0.001	
1/16/2017	0.00067 (J)	
3/1/2017	<0.001	
4/25/2017	<0.001	
7/25/2017	<0.001	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00057 (J)
4/1/2020		<0.001
9/16/2020		<0.001
3/16/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
4/21/2016	<0.001	
6/16/2016	0.00014 (J)	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/13/2017	<0.001	
3/1/2017	<0.001	
4/25/2017	0.00046 (J)	
7/25/2017	<0.001	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00066 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	0.0022 (J)	
1/14/2016	0.002 (J)	
1/25/2016	<0.001	
4/21/2016	<0.001	
6/16/2016	0.00046 (J)	
8/10/2016	<0.001	
9/27/2016	0.00084 (J)	
11/15/2016	<0.001	
1/12/2017	<0.001	
3/1/2017	<0.001	
4/24/2017	<0.001	
7/25/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.00074
9/11/2019		0.00064 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	0.00043 (J)	
8/10/2016	0.0021	
9/28/2016	0.0011 (J)	
11/16/2016	0.0011 (J)	
1/17/2017	0.00064 (J)	
3/2/2017	<0.001	
4/25/2017	0.0007 (J)	
7/13/2017	<0.001	
7/25/2017	<0.001	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.00079
9/11/2019		0.00051 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]	
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/30/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/16/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	0.00016 (J)	
8/11/2016	0.00096 (J)	
9/27/2016	0.0026	
11/14/2016	0.0017	
1/10/2017	0.0021	
2/28/2017	0.0027	
4/20/2017	0.0014	
7/18/2017	0.0012 (J)	
1/10/2018	0.00068 (J)	
7/11/2018	<0.001	
1/29/2019	<0.001	
3/26/2019	0.0005	
9/10/2019	0.00051 (J)	
3/31/2020	<0.001	
9/16/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	5E-05 (J)	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
1/19/2017	<0.001	
1/24/2017	0.0027	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00035 (J)
3/31/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-9	GWC-9
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
4/19/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/13/2017	0.00055 (J)	
3/1/2017	<0.001	
4/24/2017	<0.001	
7/24/2017	<0.001	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.00073
9/11/2019		0.00044 (J)
4/1/2020		<0.001
9/16/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	0.015	
12/15/2015	0.015	
12/29/2015	0.016	
1/13/2016	0.017	
1/25/2016	0.017	
4/20/2016	0.0144	
6/14/2016	0.015	
8/9/2016	0.013	
9/27/2016	0.015	
11/15/2016	0.015	
1/12/2017	0.012	
2/28/2017	0.016	
4/20/2017	0.015	
7/18/2017	0.015	
1/10/2018	0.015	
7/11/2018	0.015	
1/29/2019		0.019
3/26/2019		0.016
9/10/2019		0.03
3/31/2020		0.015
9/15/2020		0.014
3/16/2021		0.018
8/18/2021		0.018

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	0.018	
12/15/2015	0.017	
12/29/2015	0.018	
1/13/2016	0.018	
1/25/2016	0.018	
4/20/2016	0.0143	
6/14/2016	0.012	
8/9/2016	0.011	
9/27/2016	0.01	
11/15/2016	0.012	
1/11/2017	0.011	
2/28/2017	0.011	
4/20/2017	0.011	
7/19/2017	0.012	
1/11/2018	0.012	
7/11/2018	0.012	
1/29/2019		0.013
3/26/2019		0.012
9/10/2019		0.016
4/1/2020		0.013
9/15/2020		0.012
3/16/2021		0.013
8/17/2021		0.014

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.027	
12/14/2015	0.028	
12/28/2015	0.029	
1/13/2016	0.028	
1/25/2016	0.027	
4/20/2016	0.0259	
6/15/2016	0.024	
8/9/2016	0.023	
9/27/2016	0.021	
11/15/2016	0.023	
1/11/2017	0.021	
3/1/2017	0.022	
4/20/2017	0.022	
7/19/2017	0.024	
1/11/2018	0.022	
7/11/2018	0.023	
1/29/2019		0.026
3/26/2019		0.023
9/10/2019		0.039
4/1/2020		0.022
9/15/2020		0.024
3/16/2021		0.025
8/17/2021		0.024

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-2	GWA-2
8/25/2004	0.018	
9/11/2004	0.019	
9/26/2004	0.02	
10/13/2004	0.017	
7/11/2005	0.012	
12/7/2005	0.014	
6/22/2006	0.018	
11/28/2006	0.015	
7/6/2007	0.014	
12/13/2007	0.014	
6/20/2008	0.018	
12/7/2008	0.013	
7/9/2009	0.019	
12/28/2009	0.012	
6/22/2010	0.02	
1/4/2011	0.02	
7/9/2011	0.028	
1/21/2012	0.026	
7/11/2012	0.038	
1/20/2013	0.025	
7/19/2013	0.018	
1/15/2014	0.026	
7/11/2014	0.029	
1/16/2015	0.021	
6/20/2015	0.031	
1/16/2016	0.031	
4/19/2016	0.0305	
6/14/2016	0.03	
8/9/2016	0.032	
9/26/2016	0.031	
11/15/2016	0.033	
1/10/2017	0.031	
2/28/2017	0.033	
4/19/2017	0.032	
7/17/2017	0.033	
1/10/2018	0.034	
7/11/2018	0.035	
1/29/2019		0.034
3/27/2019		0.03
9/11/2019		0.034
4/1/2020		0.037
9/15/2020		0.036
3/16/2021		0.035
8/17/2021		0.037

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-3	GWA-3
8/25/2004	0.025	
9/11/2004	0.015	
9/26/2004	0.017	
10/13/2004	0.017	
7/11/2005	0.012	
12/7/2005	0.012	
6/22/2006	0.016	
11/28/2006	0.017	
7/6/2007	0.1 (O)	
12/13/2007	0.01	
6/20/2008	0.026	
12/7/2008	0.097 (O)	
7/9/2009	0.01	
12/28/2009	0.0091	
6/22/2010	0.011	
1/5/2011	0.21 (O)	
7/9/2011	0.035	
1/20/2012	0.021	
7/11/2012	0.009	
1/19/2013	0.01	
7/18/2013	0.014	
1/15/2014	0.016	
7/11/2014	0.016	
1/15/2015	0.014	
6/19/2015	0.013	
1/16/2016	0.021	
4/19/2016	0.0217	
6/14/2016	0.024	
8/9/2016	0.023	
9/27/2016	0.016	
11/14/2016	0.014	
1/10/2017	0.015	
2/28/2017	0.017	
4/19/2017	0.013	
7/18/2017	0.012	
1/10/2018	0.016	
7/11/2018	0.015	
1/29/2019		0.017
3/27/2019		0.014
9/11/2019		0.015
4/1/2020		0.014
9/15/2020		0.015
3/16/2021		0.015
8/17/2021		0.015

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-1	GWC-1
8/25/2004	0.02	
9/11/2004	0.021	
9/26/2004	0.019	
7/11/2005	0.017	
12/7/2005	0.018	
6/22/2006	0.018	
11/28/2006	0.026	
7/6/2007	0.014	
12/13/2007	0.013	
6/20/2008	0.019	
12/7/2008	0.019	
7/9/2009	0.029	
12/28/2009	0.039	
6/22/2010	0.032	
1/4/2011	0.024	
7/9/2011	0.034	
1/21/2012	0.022	
7/11/2012	0.023	
1/20/2013	0.027	
7/19/2013	0.037	
1/15/2014	0.032	
7/11/2014	0.034	
1/16/2015	0.032	
6/20/2015	0.037	
1/16/2016	0.051	
4/20/2016	0.0554	
6/15/2016	0.046	
8/10/2016	0.042	
9/27/2016	0.042	
11/15/2016	0.042	
1/12/2017	0.046	
1/23/2017	0.023	
3/1/2017	0.048	
4/20/2017	0.046	
7/19/2017	0.045	
1/11/2018	0.046	
7/12/2018		0.045
1/30/2019		0.05
3/27/2019		0.045
9/11/2019		0.038
4/1/2020		0.041
9/15/2020		0.038
3/16/2021		0.039
8/18/2021		0.034

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-10	GWC-10
8/25/2004	0.036	
9/11/2004	0.036	
9/26/2004	0.035	
10/13/2004	0.035	
7/11/2005	0.017	
12/7/2005	0.017	
6/22/2006	0.015	
11/28/2006	0.032	
7/6/2007	0.03	
12/13/2007	0.039	
6/20/2008	0.038	
12/7/2008	0.034	
7/10/2009	0.032	
12/29/2009	0.03	
6/22/2010	0.024	
1/4/2011	0.017	
7/10/2011	0.03	
1/21/2012	0.022	
7/11/2012	0.025	
1/20/2013	0.029	
7/19/2013	0.02	
1/16/2014	0.022	
7/10/2014	0.018	
1/16/2015	0.019	
6/20/2015	0.021	
1/16/2016	0.019	
4/21/2016	0.0178	
6/16/2016	0.022	
8/10/2016	0.015	
9/27/2016	0.014	
11/15/2016	0.015	
1/12/2017	0.015	
3/1/2017	0.017	
4/24/2017	0.014	
7/24/2017	0.015	
1/11/2018	0.013	
7/12/2018	0.024	
1/30/2019		0.023
3/27/2019		0.019
9/11/2019		0.021
4/1/2020		0.035
9/15/2020		0.023
3/16/2021		0.019
8/18/2021		0.018



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	0.018	
9/11/2004	0.022	
9/26/2004	0.022	
10/13/2004	0.017	
7/11/2005	0.015	
12/7/2005	0.012	
6/22/2006	0.012	
11/28/2006	0.013	
7/6/2007	0.012	
12/13/2007	0.013	
6/20/2008	0.026	
12/7/2008	0.093 (O)	
7/10/2009	0.013	
12/29/2009	0.012	
6/22/2010	0.014	
1/5/2011	0.011	
7/9/2011	0.012	
1/21/2012	0.017	
7/11/2012	0.015	
1/19/2013	0.013	
7/19/2013	0.012	
1/15/2014	0.012	
7/11/2014	0.012	
1/16/2015	0.011	
6/20/2015	0.013	
1/14/2016	0.016	
4/20/2016	0.0113	
6/15/2016	0.013	
8/10/2016	0.01	
9/27/2016	0.01	
11/15/2016	0.011	
1/12/2017	0.01	
3/1/2017	0.011	
4/24/2017	0.01	
7/24/2017	0.0089	
1/11/2018	0.01	
7/12/2018	0.016	
1/30/2019		0.014 (J)
3/27/2019		0.013
9/11/2019		0.011
4/2/2020		0.011
9/15/2020		0.015
3/17/2021		0.016
8/18/2021		0.011

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	0.014	
9/11/2004	0.014	
9/26/2004	0.014	
10/13/2004	0.013	
7/11/2005	0.011	
12/7/2005	0.012	
6/22/2006	0.012	
11/28/2006	0.011	
7/6/2007	0.014	
12/13/2007	0.011	
6/20/2008	0.011	
12/7/2008	0.01	
7/10/2009	0.011	
12/28/2009	0.011	
6/22/2010	0.011	
1/4/2011	0.013	
7/9/2011	0.015	
1/20/2012	0.013	
7/11/2012	0.015	
1/19/2013	0.014	
7/18/2013	0.013	
1/15/2014	0.013	
7/11/2014	0.016	
1/15/2015	0.012	
6/19/2015	0.015	
1/16/2016	0.013	
4/20/2016	0.0114	
6/15/2016	0.0095 (J)	
8/10/2016	0.0094	
9/27/2016	0.011	
11/15/2016	0.0096	
1/12/2017	0.01	
3/1/2017	0.011	
4/20/2017	0.01	
7/20/2017	0.011	
1/11/2018	0.01	
7/12/2018	0.011	
1/30/2019		0.011 (J)
3/27/2019		0.0099
9/11/2019		0.01
4/1/2020		0.0097 (J)
9/16/2020		0.011
3/16/2021		0.01
8/18/2021		0.01

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.027	
12/15/2015	0.028	
12/28/2015	0.026	
1/13/2016	0.026	
1/25/2016	0.027	
4/21/2016	0.0262	
6/15/2016	0.024	
8/9/2016	0.023	
9/27/2016	0.023	
11/15/2016	0.023	
1/11/2017	0.022	
2/28/2017	0.023	
4/20/2017	0.024	
7/19/2017	0.025	
1/11/2018	0.023	
7/11/2018	0.025	
1/29/2019		0.027
3/26/2019		0.028
9/11/2019		0.023
4/1/2020		0.026
9/15/2020		0.023
3/17/2021		0.028
8/19/2021		0.022

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	0.021	
12/14/2015	0.021	
12/28/2015	0.02	
1/13/2016	0.019	
1/26/2016	0.019	
4/20/2016	0.0188	
6/15/2016	0.017	
8/9/2016	0.018	
9/27/2016	0.016	
11/15/2016	0.017	
1/11/2017	0.017	
3/1/2017	0.017	
4/20/2017	0.016	
7/19/2017	0.017	
1/11/2018	0.017	
7/11/2018	0.017	
1/29/2019		0.02
3/27/2019		0.017
9/11/2019		0.021
4/1/2020		0.019
9/15/2020		0.018
3/16/2021		0.017
8/19/2021		0.017

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	0.053	
12/14/2015	0.049	
12/28/2015	0.048	
1/14/2016	0.048	
1/26/2016	0.044	
4/19/2016	0.0308	
6/16/2016	0.029	
8/11/2016	0.023	
9/28/2016	0.024	
11/16/2016	0.022	
1/11/2017	0.017	
3/1/2017	0.02	
4/25/2017	0.02	
7/25/2017	0.017	
1/12/2018	0.015	
7/11/2018	0.013	
1/30/2019		0.02
3/27/2019		0.014
9/11/2019		0.018
4/1/2020		0.013
9/15/2020		0.014
3/17/2021		0.013
8/19/2021		0.013

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	0.057	
12/15/2015	0.052	
12/28/2015	0.041	
1/14/2016	0.038	
1/26/2016	0.034	
4/19/2016	0.023	
6/16/2016	0.017	
8/10/2016	0.013	
9/28/2016	0.013	
11/15/2016	0.013	
1/16/2017	0.014	
3/1/2017	0.017	
4/25/2017	0.015	
7/25/2017	0.012	
1/12/2018	0.014	
7/11/2018	0.018	
1/29/2019		0.016
3/27/2019		0.013
9/11/2019		0.015
4/1/2020		0.013
9/16/2020		0.012
3/16/2021		0.0099 (J)
8/19/2021		0.0095 (J)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	0.039	
12/14/2015	0.045	
12/29/2015	0.045	
1/14/2016	0.034	
1/25/2016	0.038	
4/21/2016	0.0325	
6/16/2016	0.027	
8/10/2016	0.025	
9/27/2016	0.023	
11/15/2016	0.022	
1/13/2017	0.021	
3/1/2017	0.021	
4/25/2017	0.02	
7/25/2017	0.02	
1/12/2018	0.021	
7/11/2018	0.021	
1/29/2019		0.017
3/27/2019		0.018
9/11/2019		0.021
4/1/2020		0.016
9/15/2020		0.021
3/16/2021		0.016
8/19/2021		0.017

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	0.024	
12/14/2015	0.027	
12/29/2015	0.027	
1/14/2016	0.025	
1/25/2016	0.023	
4/21/2016	0.0165	
6/16/2016	0.018	
8/10/2016	0.014	
9/27/2016	0.018	
11/15/2016	0.015	
1/12/2017	0.014	
3/1/2017	0.015	
4/24/2017	0.015	
7/25/2017	0.015	
1/11/2018	0.016	
7/11/2018	0.017	
1/30/2019		0.017
3/27/2019		0.016
9/11/2019		0.019
4/1/2020		0.018
9/15/2020		0.021
3/17/2021		0.019
8/19/2021		0.018



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	0.057	
8/10/2016	0.072	
9/28/2016	0.076	
11/16/2016	0.057	
1/17/2017	0.049	
3/2/2017	0.067	
4/25/2017	0.049	
7/13/2017	0.04	
7/25/2017	0.038	
1/12/2018	0.037	
7/12/2018	0.037	
1/30/2019		0.034
3/27/2019		0.027
9/11/2019		0.023
4/1/2020		0.024
9/15/2020		0.024
3/17/2021		0.024
8/19/2021		0.019

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]	
8/25/2004	0.0096
9/11/2004	0.024
9/26/2004	0.027
10/13/2004	0.022
7/11/2005	0.029
12/7/2005	0.023
6/22/2006	0.026
11/28/2006	0.039
7/6/2007	0.037
12/13/2007	0.029
6/20/2008	0.037
12/7/2008	0.025
7/9/2009	0.028
12/30/2009	0.017
6/22/2010	0.032
1/4/2011	0.02
7/10/2011	0.032
1/21/2012	0.026
7/11/2012	0.023
1/20/2013	0.011
7/19/2013	0.018
1/16/2014	0.015
7/10/2014	0.025
1/16/2015	0.022
6/20/2015	0.015
1/14/2016	0.016
4/20/2016	0.0234
6/14/2016	0.019
8/11/2016	0.024
9/27/2016	0.035
11/14/2016	0.034
1/10/2017	0.021
2/28/2017	0.021
4/20/2017	0.019
7/18/2017	0.018
1/10/2018	0.021
7/11/2018	0.029
1/29/2019	0.025
3/26/2019	0.023
9/10/2019	0.026
3/31/2020	0.017
9/16/2020	0.016
3/17/2021	0.014
8/19/2021	0.013

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.016	
9/11/2004	0.02	
9/26/2004	0.016	
10/13/2004	0.014	
7/11/2005	0.014	
12/7/2005	0.014	
6/22/2006	0.019	
11/28/2006	0.016	
7/6/2007	0.018	
12/13/2007	0.015	
6/20/2008	0.018	
12/7/2008	0.016	
7/9/2009	0.019	
12/29/2009	0.02	
6/22/2010	0.027	
1/4/2011	0.025	
7/9/2011	0.022	
1/21/2012	0.024	
7/11/2012	0.024	
1/19/2013	0.026	
7/18/2013	0.024	
1/15/2014	0.026	
7/10/2014	0.036	
1/15/2015	0.035	
6/19/2015	0.066	
1/14/2016	0.059	
4/20/2016	0.0553	
6/14/2016	0.035	
8/9/2016	0.035	
9/27/2016	0.038	
11/15/2016	0.039	
1/11/2017	0.037	
1/19/2017	0.079	
1/24/2017	0.42 (o)	
2/28/2017	0.042	
4/20/2017	0.04	
7/18/2017	0.04	
1/10/2018	0.048	
7/11/2018	0.044	
1/29/2019		0.05
3/26/2019		0.046
9/10/2019		0.044
3/31/2020		0.044
9/15/2020		0.041
3/17/2021		0.04
8/19/2021		0.038

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-9	GWC-9
8/25/2004	0.029	
9/11/2004	0.031	
9/26/2004	0.03	
10/13/2004	0.024	
7/11/2005	0.022	
12/7/2005	0.032	
6/22/2006	0.026	
11/28/2006	0.02	
7/6/2007	0.018	
12/13/2007	0.017	
6/20/2008	0.018	
12/7/2008	0.016	
7/9/2009	0.019	
12/29/2009	0.02	
6/22/2010	0.022	
1/5/2011	0.021	
7/9/2011	0.021	
1/21/2012	0.021	
7/11/2012	0.021	
1/19/2013	0.024	
7/18/2013	0.024	
1/15/2014	0.022	
7/10/2014	0.023	
1/16/2015	0.015	
6/20/2015	0.024	
1/14/2016	0.026	
4/19/2016	0.0274	
6/15/2016	0.024	
8/10/2016	0.031	
9/27/2016	0.029	
11/15/2016	0.029	
1/13/2017	0.025	
3/1/2017	0.03	
4/24/2017	0.024	
7/24/2017	0.026	
1/12/2018	0.027	
7/12/2018	0.031	
1/30/2019		0.032
3/27/2019		0.023
9/11/2019		0.029
4/1/2020		0.021
9/16/2020		0.033
3/17/2021		0.041
8/19/2021		0.024

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.0025	
12/15/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	7.1E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.0008 (J)
3/31/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		0.0002 (J)
8/18/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/29/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	4.4E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00025 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		<0.0025
8/17/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	0.00011 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00036 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		<0.0025
8/17/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	0.00011 (J)	
7/11/2014	0.0001 (J)	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/16/2016	<0.0025	
4/19/2016	<0.0025	
6/14/2016	6.5E-05 (J)	
8/9/2016	<0.0025	
9/26/2016	<0.0025	
11/15/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	<0.0025	
4/19/2017	<0.0025	
7/17/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		6.3E-05 (J)
3/27/2019		<0.0025
9/11/2019		<0.0025
4/1/2020		<0.0025
9/15/2020		0.00024 (J)
3/16/2021		<0.0025
8/17/2021		0.00018 (J)



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/5/2011	0.0018	
7/9/2011	<0.0025	
1/20/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	<0.0025	
1/15/2015	<0.0025	
6/19/2015	<0.0025	
1/16/2016	<0.0025	
4/19/2016	<0.0025	
6/14/2016	3.2E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/14/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	<0.0025	
4/19/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		<0.0025
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		<0.0025
8/17/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	0.00016 (J)	
7/11/2014	0.00018 (J)	
1/16/2015	0.00016 (J)	
6/20/2015	0.00017 (J)	
1/16/2016	8E-05 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00012 (J)	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
1/23/2017	<0.0025	
3/1/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00021 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		0.00022 (J)
8/18/2021		0.00018 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	0.00013 (J)	
1/16/2016	<0.0025	
4/21/2016	<0.0025	
6/16/2016	8.5E-05 (J)	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
3/1/2017	<0.0025	
4/24/2017	<0.0025	
7/24/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		<0.0025
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		0.00033 (J)
8/18/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	<0.0025	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
3/1/2017	<0.0025	
4/24/2017	<0.0025	
7/24/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		<0.0025
4/2/2020		0.00023 (J)
9/15/2020		<0.0025
3/17/2021		0.00048 (J)
8/18/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/20/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	0.00017 (J)	
7/11/2014	0.00024 (J)	
1/15/2015	0.00015 (J)	
6/19/2015	0.00016 (J)	
1/16/2016	0.00014 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00014 (J)	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
3/1/2017	<0.0025	
4/20/2017	<0.0025	
7/20/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00022 (J)
4/1/2020		<0.0025
9/16/2020		<0.0025
3/16/2021		0.00037 (J)
8/18/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/21/2016	<0.0025	
6/15/2016	3.8E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/11/2019		<0.0025
4/1/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		<0.0025
8/19/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17	GWC-17
12/8/2015	0.00046 (J)	
12/14/2015	0.00052 (J)	
12/28/2015	0.00057 (J)	
1/13/2016	0.00056 (J)	
1/26/2016	0.00057 (J)	
4/20/2016	<0.003 (o)	
6/15/2016	0.00056 (J)	
8/9/2016	0.00054 (J)	
9/27/2016	0.00056 (J)	
11/15/2016	0.00047 (J)	
1/11/2017	0.00066 (J)	
3/1/2017	0.00066 (J)	
4/20/2017	0.00055 (J)	
7/19/2017	0.00061 (J)	
1/11/2018	0.00064 (J)	
7/11/2018	0.00065 (J)	
1/29/2019		0.00062 (J)
3/27/2019		0.00062
9/11/2019		0.001
4/1/2020		0.00058 (J)
9/15/2020		0.00063 (J)
3/16/2021		0.00062 (J)
8/19/2021		0.00057 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/14/2016	<0.0025	
1/26/2016	<0.0025	
4/19/2016	<0.0025	
6/16/2016	<0.0025	
8/11/2016	<0.0025	
9/28/2016	<0.0025	
11/16/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/25/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00026 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		<0.0025
8/19/2021		<0.0025



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	0.00018 (J)	
12/15/2015	0.00014 (J)	
12/28/2015	9E-05 (J)	
1/14/2016	0.0001 (J)	
1/26/2016	0.00011 (J)	
4/19/2016	<0.0025	
6/16/2016	0.00011 (J)	
8/10/2016	<0.0025	
9/28/2016	<0.0025	
11/15/2016	<0.0025	
1/16/2017	<0.0025	
3/1/2017	<0.0025	
4/25/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00023 (J)
3/27/2019		<0.0025
9/11/2019		0.00058 (J)
4/1/2020		<0.0025
9/16/2020		0.00022 (J)
3/16/2021		0.00024 (J)
8/19/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	0.00026 (J)	
12/14/2015	0.00032 (J)	
12/29/2015	0.00043 (J)	
1/14/2016	0.00032 (J)	
1/25/2016	0.00038 (J)	
4/21/2016	<0.0025	
6/16/2016	0.00032 (J)	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/13/2017	<0.0025	
3/1/2017	<0.0025	
4/25/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00016 (J)
3/27/2019		<0.0025
9/11/2019		0.00052 (J)
4/1/2020		<0.0025
9/15/2020		0.00025 (J)
3/16/2021		0.00022 (J)
8/19/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.0025	
12/14/2015	<0.0025	
12/29/2015	<0.0025	
1/14/2016	<0.0025	
1/25/2016	<0.0025	
4/21/2016	<0.0025	
6/16/2016	<0.0025	
8/10/2016	<0.0025	
9/27/2016	0.00064 (J)	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
3/1/2017	<0.0025	
4/24/2017	<0.0025	
7/25/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00054 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		<0.0025
8/19/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	<0.0025	
8/10/2016	<0.0025	
9/28/2016	<0.0025	
11/16/2016	<0.0025	
1/17/2017	<0.0025	
3/2/2017	<0.0025	
4/25/2017	<0.0025	
7/13/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00026 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		0.00018 (J)
8/19/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-4A[\*GWB-4A]GWC-4A[\*GWB-4A]

8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	0.0001 (J)	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	8.7E-05 (J)	
8/11/2016	<0.0025	
9/27/2016	<0.0025	
11/14/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00011 (J)
3/26/2019	<0.0025	
9/10/2019		0.0006 (J)
3/31/2020	<0.0025	
9/16/2020	<0.0025	
3/17/2021	<0.0025	
8/19/2021	<0.0025	

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	0.0011	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	<0.0025	
7/10/2014	<0.0025	
1/15/2015	<0.0025	
6/19/2015	0.00013 (J)	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	5.4E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
1/19/2017	<0.0025	
1/24/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		<0.0025
3/31/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		<0.0025
8/19/2021		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	<0.0025	
7/10/2014	0.0001 (J)	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/19/2016	<0.0025	
6/15/2016	7.7E-05 (J)	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/13/2017	<0.0025	
3/1/2017	<0.0025	
4/24/2017	<0.0025	
7/24/2017	<0.0025	
1/12/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00021 (J)
4/1/2020		<0.0025
9/16/2020		<0.0025
3/17/2021		0.00024 (J)
8/19/2021		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/29/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	0.001	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00035 (J)
3/31/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		<0.0025
8/18/2021		<0.0025



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/29/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	6.2E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		<0.0025
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		<0.0025
8/17/2021		0.00036 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	<0.0025	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00015 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		<0.0025
8/17/2021		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17	GWC-17
12/8/2015	0.00049 (J)	
12/14/2015	0.00053 (J)	
12/28/2015	0.00061 (J)	
1/13/2016	0.00063 (J)	
1/26/2016	0.00072 (J)	
4/20/2016	0.000633 (J)	
6/15/2016	0.00055 (J)	
8/9/2016	0.00046 (J)	
9/27/2016	0.00071 (J)	
11/15/2016	0.00056 (J)	
1/11/2017	0.0007 (J)	
3/1/2017	0.00063 (J)	
4/20/2017	0.00055 (J)	
7/19/2017	0.00072 (J)	
1/11/2018	0.00062 (J)	
7/11/2018	0.0004 (J)	
1/29/2019		0.00062 (J)
3/27/2019		0.00041
9/11/2019		0.00064 (J)
4/1/2020		0.00048 (J)
9/15/2020		0.00046 (J)
3/16/2021		0.00057 (J)
8/19/2021		0.00057 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18	GWC-18
12/8/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/14/2016	<0.0025	
1/26/2016	<0.0025	
4/19/2016	<0.0025	
6/16/2016	8.5E-05 (J)	
8/11/2016	<0.0025	
9/28/2016	<0.0025	
11/16/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/25/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		<0.0025
4/1/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		<0.0025
8/19/2021		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	<0.0025	
12/15/2015	<0.0025	
12/28/2015	<0.0025	
1/14/2016	<0.0025	
1/26/2016	<0.0025	
4/19/2016	0.00017 (J)	
6/16/2016	0.00018 (J)	
8/10/2016	<0.0025	
9/28/2016	<0.0025	
11/15/2016	<0.0025	
1/16/2017	<0.0025	
3/1/2017	<0.0025	
4/25/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.0002 (J)
3/27/2019		<0.0025
9/11/2019		0.00031 (J)
4/1/2020		<0.0025
9/16/2020		<0.0025
3/16/2021		<0.0025
8/19/2021		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	<0.0025	
12/14/2015	0.00031 (J)	
12/29/2015	0.00075 (J)	
1/14/2016	0.00039 (J)	
1/25/2016	0.00078 (J)	
4/21/2016	0.00052 (J)	
6/16/2016	0.00044 (J)	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/13/2017	0.00036 (J)	
3/1/2017	<0.0025	
4/25/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00016 (J)
3/27/2019		<0.0025
9/11/2019		0.00029 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		<0.0025
8/19/2021		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.0025	
12/14/2015	<0.0025	
12/29/2015	<0.0025	
1/14/2016	<0.0025	
1/25/2016	<0.0025	
4/21/2016	<0.0025	
6/16/2016	0.00012 (J)	
8/10/2016	<0.0025	
9/27/2016	0.00062 (J)	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
3/1/2017	<0.0025	
4/24/2017	<0.0025	
7/25/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/30/2019		0.00014 (J)
3/27/2019		<0.0025
9/11/2019		0.00029 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		<0.0025
8/19/2021		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	<0.0025	
8/10/2016	<0.0025	
9/28/2016	<0.0025	
11/16/2016	<0.0025	
1/17/2017	<0.0025	
3/2/2017	<0.0025	
4/25/2017	<0.0025	
7/13/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		0.00015 (J)
3/27/2019		<0.0025
9/11/2019		0.00018 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		<0.0025
8/19/2021		<0.0025



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-4A[\*GWB-4A]GWC-4A[\*GWB-4A]

8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	0.000111 (J)	
6/14/2016	0.00013 (J)	
8/11/2016	<0.0025	
9/27/2016	<0.0025	
11/14/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019	<0.0025	
3/26/2019	<0.0025	
9/10/2019	0.00019 (J)	
3/31/2020	<0.0025	
9/16/2020	<0.0025	
3/17/2021	<0.0025	
8/19/2021	<0.0025	

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.002	
12/15/2015	<0.002	
12/29/2015	<0.002	
1/25/2016	<0.002	
4/20/2016	<0.01 (o)	
6/14/2016	0.0094 (J)	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/12/2017	<0.002	
2/28/2017	0.0049	
4/20/2017	0.0011 (J)	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		0.0037 (J)
3/26/2019		0.0014
9/10/2019		0.0052
3/31/2020		0.0019 (J)
9/15/2020		<0.002
3/16/2021		<0.002
8/18/2021		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.002	
12/15/2015	<0.002	
12/29/2015	<0.002	
1/25/2016	<0.002	
4/20/2016	<0.002	
6/14/2016	0.00086 (J)	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/11/2017	<0.002	
2/28/2017	0.0047	
4/20/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.004
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/17/2021		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	0.00072 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	0.0011 (J)	
1/11/2017	0.0012 (J)	
3/1/2017	0.0052	
4/20/2017	0.0013 (J)	
7/19/2017	0.0015 (J)	
1/11/2018	0.0013 (J)	
7/11/2018	0.0012 (J)	
1/29/2019		<0.0025
3/26/2019		0.0015
9/10/2019		0.004
4/1/2020		0.024
9/15/2020		0.0015 (J)
3/16/2021		0.0017 (J)
8/17/2021		0.0019 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	0.0024	
11/28/2006	0.0019	
7/6/2007	0.0021	
12/13/2007	0.0021	
6/20/2008	0.0017	
12/7/2008	0.0018	
7/9/2009	0.0015	
12/28/2009	0.002	
6/22/2010	0.0017	
1/4/2011	0.002	
7/9/2011	0.0027	
1/21/2012	<0.0025	
7/11/2012	0.0061 (O)	
1/20/2013	0.002	
7/19/2013	0.0021	
1/15/2014	0.0029	
7/11/2014	0.002	
1/16/2015	0.0026	
6/20/2015	0.002	
1/16/2016	0.0015	
4/19/2016	<0.0025	
6/14/2016	0.0017 (J)	
8/9/2016	0.0014 (J)	
9/26/2016	0.0016 (J)	
11/15/2016	0.0015 (J)	
1/10/2017	0.0015 (J)	
2/28/2017	0.0044	
4/19/2017	0.0011 (J)	
7/17/2017	0.0011 (J)	
1/10/2018	0.0014 (J)	
7/11/2018	0.0011 (J)	
1/29/2019		<0.0025
3/27/2019		0.0016
9/11/2019		0.004
4/1/2020		0.0017 (J)
9/15/2020		0.0015 (J)
3/16/2021		0.0015 (J)
8/17/2021		0.0016 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.002	
9/11/2004	0.0024	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	0.0021	
11/28/2006	0.0023	
7/6/2007	0.0049	
12/13/2007	0.0013	
6/20/2008	0.0025	
12/7/2008	0.0034	
7/9/2009	<0.002	
12/28/2009	0.0021	
6/22/2010	0.0018	
1/5/2011	0.077 (O)	
7/9/2011	0.004	
1/20/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	0.0013	
7/18/2013	0.0022	
1/15/2014	0.0019	
7/11/2014	0.0014	
1/15/2015	0.0011 (J)	
6/19/2015	0.0012 (J)	
1/16/2016	0.0014	
4/19/2016	<0.002	
6/14/2016	0.00085 (J)	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/14/2016	0.0011 (J)	
1/10/2017	0.0012 (J)	
2/28/2017	0.004	
4/19/2017	0.0011 (J)	
7/18/2017	<0.002	
1/10/2018	0.0012 (J)	
7/11/2018	0.0011 (J)	
1/29/2019		<0.002
3/27/2019		0.0014
9/11/2019		0.0034
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		0.0015 (J)
8/17/2021		0.0015 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	0.0021	
6/22/2006	0.002	
11/28/2006	0.0024	
7/6/2007	0.0034	
12/13/2007	0.0029	
6/20/2008	0.002	
12/7/2008	0.072 (O)	
2/6/2009	0.0035	
7/9/2009	0.0017	
12/28/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	0.0023	
7/9/2011	0.005	
1/21/2012	<0.002	
7/11/2012	0.0023	
1/20/2013	0.003	
7/19/2013	<0.002	
1/15/2014	0.002	
7/11/2014	0.0012 (J)	
1/16/2015	0.0011 (J)	
6/20/2015	0.0028	
1/16/2016	0.0013	
4/20/2016	<0.002	
6/15/2016	0.0011 (J)	
8/10/2016	0.0015 (J)	
9/27/2016	0.0018 (J)	
11/15/2016	0.0019 (J)	
1/12/2017	0.0012 (J)	
1/23/2017	<0.002	
3/1/2017	0.0049	
4/20/2017	<0.002	
7/19/2017	0.0017 (J)	
1/11/2018	<0.002	
7/12/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.0035
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/18/2021		0.0018 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10
8/25/2004	<0.0013	
9/11/2004	0.0027	
9/26/2004	<0.0013	
10/13/2004	<0.0013	
7/11/2005	0.0036	
12/7/2005	0.0042	
6/22/2006	0.0045	
11/28/2006	0.0017	
7/6/2007	<0.0013	
12/13/2007	<0.0013	
6/20/2008	<0.0013	
12/7/2008	<0.0013	
7/10/2009	0.0021	
12/29/2009	0.0023	
6/22/2010	0.0051	
1/4/2011	0.0026	
7/10/2011	<0.0013	
1/21/2012	<0.0013	
7/11/2012	0.0018	
1/20/2013	0.0014	
7/19/2013	0.0032	
1/16/2014	0.0058	
7/10/2014	0.0034	
1/16/2015	0.0024	
6/20/2015	0.0072	
1/16/2016	0.0076	
4/21/2016	0.00617 (J)	
6/16/2016	0.007 (J)	
8/10/2016	0.0056	
9/27/2016	0.0057	
11/15/2016	0.0062	
1/12/2017	0.0061	
3/1/2017	0.01	
4/24/2017	0.0053	
7/24/2017	0.0055	
1/11/2018	0.0055	
7/12/2018	0.0017 (J)	
1/30/2019		0.0071 (J)
3/27/2019		0.0035
9/11/2019		0.004
4/1/2020		0.0084
9/15/2020		0.0018 (J)
3/16/2021		0.0054
8/18/2021		0.0026



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	0.0033	
9/11/2004	0.0038	
9/26/2004	0.0031	
10/13/2004	<0.005	
7/11/2005	0.0039	
12/7/2005	0.0053	
6/22/2006	0.0069	
11/28/2006	0.0056	
7/6/2007	0.0063	
12/13/2007	0.0058	
6/20/2008	0.013	
12/7/2008	0.0048	
7/10/2009	0.0086	
12/29/2009	0.0077	
6/22/2010	0.0046	
1/5/2011	0.0053	
7/9/2011	0.007	
1/21/2012	0.0073	
7/11/2012	0.01	
1/19/2013	0.0058	
7/19/2013	0.005	
1/15/2014	0.0081	
7/11/2014	0.0087	
1/16/2015	0.0061	
6/20/2015	0.005	
1/14/2016	0.0045	
4/20/2016	0.00856 (J)	
6/15/2016	0.0061 (J)	
8/10/2016	0.0052	
9/27/2016	0.0051	
11/15/2016	0.005	
1/12/2017	0.0051	
3/1/2017	0.0088	
4/24/2017	0.0049	
7/24/2017	0.0049	
1/11/2018	0.0044	
7/12/2018	0.0023 (J)	
1/30/2019		0.006 (J)
3/27/2019		0.0031
9/11/2019		0.0071
4/2/2020		0.0055
9/15/2020		0.0028
3/17/2021		0.0031
8/18/2021		0.004

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.01	
9/11/2004	<0.01	
9/26/2004	<0.01	
10/13/2004	<0.01	
7/11/2005	<0.01	
12/7/2005	<0.01	
6/22/2006	0.002	
11/28/2006	0.0015	
7/6/2007	0.0021	
12/13/2007	0.0025	
6/20/2008	0.0017	
12/7/2008	0.0016	
7/10/2009	0.0017	
12/28/2009	0.0018	
6/22/2010	0.0018	
1/4/2011	0.0039	
7/9/2011	0.0041	
1/20/2012	<0.01	
7/11/2012	0.0052	
1/19/2013	0.0025	
7/18/2013	0.0035	
1/15/2014	0.0082	
7/11/2014	0.0048	
1/15/2015	0.0022	
6/19/2015	0.0024	
1/16/2016	0.002	
4/20/2016	<0.01	
6/15/2016	0.0016 (J)	
8/10/2016	0.0016 (J)	
9/27/2016	0.0019 (J)	
11/15/2016	0.0017 (J)	
1/12/2017	0.0017 (J)	
3/1/2017	0.0055	
4/20/2017	0.0016 (J)	
7/20/2017	0.0017 (J)	
1/11/2018	0.0016 (J)	
7/12/2018	0.0015 (J)	
1/30/2019		0.0039 (J)
3/27/2019		0.0019
9/11/2019		0.0036
4/1/2020		0.0019 (J)
9/16/2020		0.0016 (J)
3/16/2021		0.0019 (J)
8/18/2021		0.0037

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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GWC-15[*GWB-15] GWC-15[*GWB-15]	
12/7/2015	<0.002
12/15/2015	<0.002
12/28/2015	<0.002
1/25/2016	<0.002
4/21/2016	<0.002
6/15/2016	0.0008 (J)
8/9/2016	<0.002
9/27/2016	<0.002
11/15/2016	<0.002
1/11/2017	<0.002
2/28/2017	0.0051
4/20/2017	0.0012 (J)
7/19/2017	0.0013 (J)
1/11/2018	0.0011 (J)
7/11/2018	<0.002
1/29/2019	<0.002
3/26/2019	0.0016
9/11/2019	0.0038
4/1/2020	0.0015 (J)
9/15/2020	<0.002
3/17/2021	<0.002
8/19/2021	<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	<0.01	
12/14/2015	<0.01	
12/28/2015	<0.01	
1/26/2016	<0.01	
4/20/2016	<0.01	
6/15/2016	0.0018 (J)	
8/9/2016	0.002 (J)	
9/27/2016	0.0021 (J)	
11/15/2016	0.002 (J)	
1/11/2017	0.0025	
3/1/2017	0.0067	
4/20/2017	0.0024 (J)	
7/19/2017	0.0025	
1/11/2018	0.0026	
7/11/2018	0.0025	
1/29/2019		0.0041 (J)
3/27/2019		0.0028
9/11/2019		0.0059
4/1/2020		0.0032
9/15/2020		0.0027
3/16/2021		0.0031
8/19/2021		0.0027

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	0.0012 (J)	
12/14/2015	0.0018	
12/28/2015	0.0017	
1/26/2016	0.0013	
4/19/2016	0.00277 (J)	
6/16/2016	0.0021 (J)	
8/11/2016	0.0023 (J)	
9/28/2016	0.0022 (J)	
11/16/2016	0.0019 (J)	
1/11/2017	0.0025	
3/1/2017	0.0065	
4/25/2017	0.0026	
7/25/2017	0.0023 (J)	
1/12/2018	0.002 (J)	
7/11/2018	0.0022 (J)	
1/30/2019		0.0049 (J)
3/27/2019		0.0025
9/11/2019		0.0049
4/1/2020		0.0025
9/15/2020		0.0025
3/17/2021		0.0027
8/19/2021		0.0025

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	0.0026	
12/15/2015	0.0017	
12/28/2015	0.0016	
1/26/2016	0.0016	
4/19/2016	0.002	
6/16/2016	0.0016 (J)	
8/10/2016	0.0016 (J)	
9/28/2016	<0.0025	
11/15/2016	<0.0025	
1/16/2017	0.0013 (J)	
3/1/2017	0.0056	
4/25/2017	0.0019 (J)	
7/25/2017	0.0013 (J)	
1/12/2018	0.0017 (J)	
7/11/2018	0.0011 (J)	
1/29/2019		<0.0025
3/27/2019		0.0014
9/11/2019		0.0043
4/1/2020		0.0018 (J)
9/16/2020		0.0015 (J)
3/16/2021		0.0017 (J)
8/19/2021		0.0015 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	<0.002	
12/14/2015	<0.002	
12/29/2015	<0.002	
1/25/2016	<0.002	
4/21/2016	<0.002	
6/16/2016	0.0008 (J)	
8/10/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/13/2017	<0.002	
3/1/2017	0.005	
4/25/2017	<0.002	
7/25/2017	<0.002	
1/12/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.0034
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/19/2021		0.0018 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.002	
12/14/2015	<0.002	
12/29/2015	<0.002	
1/25/2016	<0.002	
4/21/2016	<0.002	
6/16/2016	0.00031 (J)	
8/10/2016	<0.002	
9/27/2016	0.35 (o)	
11/15/2016	<0.002	
1/12/2017	<0.002	
3/1/2017	0.0044	
4/24/2017	<0.002	
7/25/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.0025
4/1/2020		<0.002
9/15/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	0.00023 (J)	
8/10/2016	<0.0025	
9/28/2016	<0.0025	
11/16/2016	<0.0025	
1/17/2017	<0.0025	
3/2/2017	0.0017 (J)	
4/25/2017	<0.0025	
7/13/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.004
4/1/2020		0.0022
9/15/2020		0.0023
3/17/2021		0.0027
8/19/2021		0.0023

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	0.0022	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/30/2009	0.0078	
6/22/2010	<0.002	
1/4/2011	0.0037	
7/10/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	0.0096	
1/20/2013	0.0052	
7/19/2013	0.002	
1/16/2014	0.0061	
7/10/2014	<0.002	
1/16/2015	0.002	
6/20/2015	0.0011 (J)	
1/14/2016	0.0011 (J)	
4/20/2016	<0.002	
6/14/2016	0.0013 (J)	
8/11/2016	<0.002	
9/27/2016	<0.002	
11/14/2016	<0.002	
1/10/2017	<0.002	
2/28/2017	0.0048	
4/20/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.0031
3/31/2020		<0.002
9/16/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.22 (O)	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	0.0023	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/29/2009	0.004	
6/22/2010	<0.002	
1/4/2011	0.0027	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	0.0038	
1/19/2013	0.002	
7/18/2013	0.0023	
1/15/2014	0.0012 (J)	
7/10/2014	0.0012 (J)	
1/15/2015	<0.002	
6/19/2015	0.0037	
1/14/2016	<0.002	
4/20/2016	<0.002	
6/14/2016	0.0011 (J)	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/11/2017	<0.002	
1/19/2017	0.002 (J)	
1/24/2017	<0.002	
2/28/2017	0.0054	
4/20/2017	0.0013 (J)	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.0041
3/31/2020		<0.002
9/15/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	0.0017	
12/13/2007	0.0021	
6/20/2008	0.0021	
12/7/2008	0.0018	
7/9/2009	0.0024	
12/29/2009	0.0021	
6/22/2010	<0.002	
1/5/2011	0.0034	
7/9/2011	0.0018	
1/21/2012	<0.002	
7/11/2012	0.0038	
1/19/2013	0.0065 (o)	
7/18/2013	0.0029	
1/15/2014	<0.002	
7/10/2014	<0.002	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/14/2016	<0.002	
4/19/2016	<0.002	
6/15/2016	0.00021	
8/10/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/13/2017	0.0012 (J)	
3/1/2017	0.0043	
4/24/2017	<0.002	
7/24/2017	<0.002	
1/12/2018	<0.002	
7/12/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.0025
4/1/2020		<0.002
9/16/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	0.0012 (J)	
12/15/2015	0.00099 (J)	
12/29/2015	0.0012 (J)	
1/13/2016	0.0012 (J)	
1/25/2016	0.00095 (J)	
4/20/2016	<0.0025	
6/14/2016	0.00072 (J)	
8/9/2016	0.00041 (J)	
9/27/2016	0.00058 (J)	
11/15/2016	0.00048 (J)	
1/12/2017	0.0014 (J)	
2/28/2017	0.00075 (J)	
4/20/2017	0.0005 (J)	
7/18/2017	0.00051 (J)	
1/10/2018	0.00049 (J)	
7/11/2018	<0.0025	
1/29/2019		0.00043 (J)
3/26/2019		<0.0025
9/10/2019		0.00064
3/31/2020		0.00034 (J)
9/15/2020		<0.0025
3/16/2021		0.0005 (J)
8/18/2021		0.00058 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	0.001 (J)	
12/15/2015	0.00078 (J)	
12/29/2015	0.00094 (J)	
1/13/2016	0.001 (J)	
1/25/2016	0.00085 (J)	
4/20/2016	<0.0025	
6/14/2016	0.00048 (J)	
8/9/2016	0.00045 (J)	
9/27/2016	0.00046 (J)	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
2/28/2017	0.00051 (J)	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00029 (J)
3/26/2019		<0.0025
9/10/2019		0.00042 (J)
4/1/2020		0.00033 (J)
9/15/2020		<0.0025
3/16/2021		0.00035 (J)
8/17/2021		0.00048 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.0012 (J)	
12/14/2015	0.001 (J)	
12/28/2015	0.0012 (J)	
1/13/2016	0.001 (J)	
1/25/2016	0.00089 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00063 (J)	
8/9/2016	0.00055 (J)	
9/27/2016	0.00059 (J)	
11/15/2016	0.0005 (J)	
1/11/2017	0.00044 (J)	
3/1/2017	0.00066 (J)	
4/20/2017	0.00045 (J)	
7/19/2017	0.00047 (J)	
1/11/2018	0.00043 (J)	
7/11/2018	0.00043 (J)	
1/29/2019		0.00044 (J)
3/26/2019		<0.0025
9/10/2019		0.0005
4/1/2020		0.00036 (J)
9/15/2020		<0.0025
3/16/2021		0.00047 (J)
8/17/2021		0.00043 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-2	GWA-2
8/25/2004	<0.01	
9/11/2004	<0.01	
9/26/2004	<0.01	
10/13/2004	<0.01	
7/11/2005	<0.01	
12/7/2005	<0.01	
6/22/2006	<0.01	
11/28/2006	<0.01	
7/6/2007	<0.01	
12/13/2007	<0.01	
6/20/2008	<0.01	
12/7/2008	<0.01	
7/9/2009	<0.01	
12/28/2009	<0.01	
6/22/2010	<0.01	
1/4/2011	<0.01	
7/9/2011	<0.01	
1/21/2012	<0.01	
7/11/2012	0.0017	
1/20/2013	<0.01	
7/19/2013	<0.01	
1/15/2014	0.0011 (J)	
7/11/2014	0.0012 (J)	
1/16/2015	0.00083 (J)	
6/20/2015	0.0013	
1/16/2016	0.0012 (J)	
4/19/2016	<0.01	
6/14/2016	0.001 (J)	
8/9/2016	0.0012 (J)	
9/26/2016	0.0012 (J)	
11/15/2016	0.0013 (J)	
1/10/2017	0.0011 (J)	
2/28/2017	0.0014 (J)	
4/19/2017	0.0012 (J)	
7/17/2017	0.0013 (J)	
1/10/2018	0.0013 (J)	
7/11/2018	0.0013 (J)	
1/29/2019		0.001 (J)
3/27/2019		0.0011
9/11/2019		0.0015
4/1/2020		0.0013 (J)
9/15/2020		0.00099 (J)
3/16/2021		0.0013 (J)
8/17/2021		0.0015 (J)



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/5/2011	0.0066 (o)	
7/9/2011	<0.0025	
1/20/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	<0.0025	
1/15/2015	<0.0025	
6/19/2015	<0.0025	
1/16/2016	<0.0025	
4/19/2016	<0.0025	
6/14/2016	0.00044 (J)	
8/9/2016	0.00042 (J)	
9/27/2016	0.00042 (J)	
11/14/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	0.00048 (J)	
4/19/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00035 (J)
3/27/2019		<0.0025
9/11/2019		0.00039 (J)
4/1/2020		0.00024 (J)
9/15/2020		<0.0025
3/16/2021		0.00033 (J)
8/17/2021		0.00039 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	0.0013	
1/20/2013	0.0013	
7/19/2013	0.0015	
1/15/2014	0.0017	
7/11/2014	0.0018	
1/16/2015	0.0019	
6/20/2015	0.002	
1/16/2016	0.0015	
4/20/2016	<0.0025	
6/15/2016	0.0015 (J)	
8/10/2016	0.0016 (J)	
9/27/2016	0.0016 (J)	
11/15/2016	0.0015 (J)	
1/12/2017	0.0016 (J)	
1/23/2017	<0.0025	
3/1/2017	0.0021 (J)	
4/20/2017	0.0018 (J)	
7/19/2017	0.0015 (J)	
1/11/2018	0.0019 (J)	
7/12/2018	0.0018 (J)	
1/30/2019		<0.0025
3/27/2019		0.0017
9/11/2019		0.002
4/1/2020		0.0016 (J)
9/15/2020		0.0014 (J)
3/16/2021		0.0017 (J)
8/18/2021		0.0018 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-10	GWC-10
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	0.0006 (J)	
1/16/2016	<0.0025	
4/21/2016	<0.0025	
6/16/2016	1E-05 (J)	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
3/1/2017	<0.0025	
4/24/2017	<0.0025	
7/24/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.0001 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/16/2021		<0.0025
8/18/2021		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	0.0071	
6/22/2010	<0.0025	
1/5/2011	<0.0025	
7/9/2011	0.0037	
1/21/2012	0.0062	
7/11/2012	0.007	
1/19/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	0.0028	
7/11/2014	<0.0025	
1/16/2015	0.0048	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	0.00011 (J)	
8/10/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
3/1/2017	<0.0025	
4/24/2017	<0.0025	
7/24/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		<0.0025
4/2/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		0.00016 (J)
8/18/2021		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	0.0039	
1/20/2012	<0.0025	
7/11/2012	0.012	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	0.005	
7/11/2014	0.00079 (J)	
1/15/2015	0.00069 (J)	
6/19/2015	0.0007 (J)	
1/16/2016	0.00061 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00051 (J)	
8/10/2016	0.00052 (J)	
9/27/2016	0.00077 (J)	
11/15/2016	0.00055 (J)	
1/12/2017	0.0005 (J)	
3/1/2017	0.00079 (J)	
4/20/2017	0.00056 (J)	
7/20/2017	0.00051 (J)	
1/11/2018	0.0006 (J)	
7/12/2018	0.00056 (J)	
1/30/2019		<0.0025
3/27/2019		0.00051
9/11/2019		0.00067
4/1/2020		0.00051 (J)
9/16/2020		0.00023 (J)
3/16/2021		0.00058 (J)
8/18/2021		0.00065 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.0011 (J)	
12/15/2015	0.0011 (J)	
12/28/2015	0.0016	
1/13/2016	0.0016	
1/25/2016	0.0014	
4/21/2016	<0.0025	
6/15/2016	0.00047 (J)	
8/9/2016	<0.0025	
9/27/2016	0.00045 (J)	
11/15/2016	0.00048 (J)	
1/11/2017	0.00046 (J)	
2/28/2017	0.00061 (J)	
4/20/2017	0.00042 (J)	
7/19/2017	0.00041 (J)	
1/11/2018	0.00044 (J)	
7/11/2018	0.0004 (J)	
1/29/2019		0.00037 (J)
3/26/2019		<0.0025
9/11/2019		0.00044 (J)
4/1/2020		0.00036 (J)
9/15/2020		<0.0025
3/17/2021		0.0004 (J)
8/19/2021		0.0004 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	0.0018	
12/14/2015	0.0016	
12/28/2015	0.0015	
1/13/2016	0.0013	
1/26/2016	0.0012 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00073 (J)	
8/9/2016	0.00069 (J)	
9/27/2016	0.00081 (J)	
11/15/2016	0.00071 (J)	
1/11/2017	0.00062 (J)	
3/1/2017	0.00081 (J)	
4/20/2017	0.00053 (J)	
7/19/2017	0.00051 (J)	
1/11/2018	0.00046 (J)	
7/11/2018	<0.0025	
1/29/2019		0.00038 (J)
3/27/2019		<0.0025
9/11/2019		0.00034 (J)
4/1/2020		0.00023 (J)
9/15/2020		<0.0025
3/16/2021		0.00027 (J)
8/19/2021		0.00023 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/14/2016	<0.0025	
1/26/2016	<0.0025	
4/19/2016	<0.0025	
6/16/2016	0.00017 (J)	
8/11/2016	<0.0025	
9/28/2016	<0.0025	
11/16/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/25/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		8.2E-05 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025
3/17/2021		<0.0025
8/19/2021		<0.0025



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	0.00084 (J)	
12/15/2015	0.00063 (J)	
12/28/2015	0.00071 (J)	
1/14/2016	<0.0025	
1/26/2016	<0.0025	
4/19/2016	<0.0025	
6/16/2016	6.7E-05 (J)	
8/10/2016	<0.0025	
9/28/2016	<0.0025	
11/15/2016	<0.0025	
1/16/2017	<0.0025	
3/1/2017	<0.0025	
4/25/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		9.9E-05 (J)
4/1/2020		<0.0025
9/16/2020		<0.0025
3/16/2021		<0.0025
8/19/2021		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	0.0055	
12/14/2015	0.0073	
12/29/2015	0.0076	
1/14/2016	0.0056	
1/25/2016	0.0061	
4/21/2016	0.00468 (J)	
6/16/2016	0.0032 (J)	
8/10/2016	0.0025	
9/27/2016	0.0023 (J)	
11/15/2016	0.0019 (J)	
1/13/2017	0.0017 (J)	
3/1/2017	0.0021 (J)	
4/25/2017	0.0016 (J)	
7/25/2017	0.0016 (J)	
1/12/2018	0.0014 (J)	
7/11/2018	0.0013 (J)	
1/29/2019		0.00084 (J)
3/27/2019		0.0012
9/11/2019		0.0014
4/1/2020		0.00094 (J)
9/15/2020		0.00097 (J)
3/16/2021		0.0009 (J)
8/19/2021		0.00088 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	0.0013	
12/14/2015	0.0014	
12/29/2015	0.0018	
1/14/2016	0.0018	
1/25/2016	0.0019	
4/21/2016	<0.0025	
6/16/2016	0.0021 (J)	
8/10/2016	0.0015 (J)	
9/27/2016	0.015 (o)	
11/15/2016	0.0017 (J)	
1/12/2017	0.0014 (J)	
3/1/2017	0.0019 (J)	
4/24/2017	0.0015 (J)	
7/25/2017	0.0014 (J)	
1/11/2018	0.0013 (J)	
7/11/2018	0.0012 (J)	
1/30/2019		<0.0025
3/27/2019		0.001
9/11/2019		0.0012
4/1/2020		0.00088 (J)
9/15/2020		0.00088 (J)
3/17/2021		0.00092 (J)
8/19/2021		0.00077 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	0.0019 (J)	
8/10/2016	0.0051	
9/28/2016	0.0058	
11/16/2016	0.0063	
1/17/2017	0.0057	
3/2/2017	0.0095	
4/25/2017	0.0078	
7/13/2017	0.0061	
7/25/2017	0.0074	
1/12/2018	0.0072	
7/12/2018	0.0077	
1/30/2019		0.0061
3/27/2019		0.006
9/11/2019		0.0059
4/1/2020		0.0037
9/15/2020		0.0032
3/17/2021		0.0035
8/19/2021		0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-4A[\*GWB-4A]GWC-4A[\*GWB-4A]

8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	0.013	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	0.0061	
7/11/2012	0.01	
1/20/2013	0.0033	
7/19/2013	<0.0025	
1/16/2014	0.0027	
7/10/2014	<0.0025	
1/16/2015	0.0077	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	0.0004 (J)	
8/11/2016	0.0046	
9/27/2016	0.001 (J)	
11/14/2016	<0.0025	
1/10/2017	0.00044 (J)	
2/28/2017	0.001 (J)	
4/20/2017	0.00059 (J)	
7/18/2017	0.00079 (J)	
1/10/2018	0.0018 (J)	
7/11/2018	0.0044	
1/29/2019		0.0033
3/26/2019		0.0037
9/10/2019		0.0031
3/31/2020		0.0038
9/16/2020		0.0014 (J)
3/17/2021		0.0014 (J)
8/19/2021		0.0013 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.01	
9/11/2004	<0.01	
9/26/2004	<0.01	
10/13/2004	<0.01	
7/11/2005	<0.01	
12/7/2005	<0.01	
6/22/2006	<0.01	
11/28/2006	<0.01	
7/6/2007	<0.01	
12/13/2007	<0.01	
6/20/2008	<0.01	
12/7/2008	<0.01	
7/9/2009	<0.01	
12/29/2009	0.011	
6/22/2010	<0.01	
1/4/2011	<0.01	
7/9/2011	<0.01	
1/21/2012	<0.01	
7/11/2012	0.0072	
1/19/2013	<0.01	
7/18/2013	<0.01	
1/15/2014	0.00075 (J)	
7/10/2014	0.0007 (J)	
1/15/2015	0.0007 (J)	
6/19/2015	0.0011 (J)	
1/14/2016	0.00064 (J)	
4/20/2016	<0.01	
6/14/2016	0.0006 (J)	
8/9/2016	0.00062 (J)	
9/27/2016	0.00059 (J)	
11/15/2016	0.00064 (J)	
1/11/2017	0.00064 (J)	
1/19/2017	0.00046 (J)	
1/24/2017	0.009	
2/28/2017	0.00078 (J)	
4/20/2017	0.00065 (J)	
7/18/2017	0.00069 (J)	
1/10/2018	0.00068 (J)	
7/11/2018	0.00071 (J)	
1/29/2019		0.00064 (J)
3/26/2019		0.00064
9/10/2019		0.00074
3/31/2020		0.00067 (J)
9/15/2020		0.0005 (J)
3/17/2021		0.00083 (J)
8/19/2021		0.00079 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-9	GWC-9
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	0.0013	
1/19/2013	0.0055	
7/18/2013	<0.0025	
1/15/2014	0.00052 (J)	
7/10/2014	0.00055 (J)	
1/16/2015	<0.0025	
6/20/2015	0.00052 (J)	
1/14/2016	0.00051 (J)	
4/19/2016	<0.0025	
6/15/2016	0.00052 (J)	
8/10/2016	0.0006 (J)	
9/27/2016	0.00063 (J)	
11/15/2016	0.00053 (J)	
1/13/2017	0.00052 (J)	
3/1/2017	0.00084 (J)	
4/24/2017	0.00055 (J)	
7/24/2017	0.00058 (J)	
1/12/2018	0.00054 (J)	
7/12/2018	0.00072 (J)	
1/30/2019		<0.0025
3/27/2019		0.00051
9/11/2019		0.00083
4/1/2020		0.00042 (J)
9/16/2020		0.00037 (J)
3/17/2021		0.00092 (J)
8/19/2021		0.00063 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.002	
12/15/2015	<0.002	
12/29/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	<0.002	
6/14/2016	<0.002	
1/12/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.00066 (J)
3/31/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/18/2021		<0.002



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.002	
12/15/2015	<0.002	
12/29/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	0.0014 (J)	
6/14/2016	<0.002	
1/11/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.00076 (J)
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/17/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.001 (J)	
12/14/2015	<0.002	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	0.00081 (J)	
6/15/2016	<0.002	
1/11/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		<0.002
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/17/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-2	GWA-2
8/25/2004	<0.002	
9/11/2004	0.003	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/28/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/20/2013	<0.002	
7/19/2013	<0.002	
1/15/2014	<0.002	
7/11/2014	<0.002	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/16/2016	<0.002	
6/14/2016	<0.002	
1/10/2017	<0.002	
7/17/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/27/2019		<0.002
9/11/2019		<0.002
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/17/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	0.0029	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	0.0026	
11/28/2006	<0.002	
7/6/2007	0.0034	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/28/2009	<0.002	
6/22/2010	<0.002	
1/5/2011	0.014 (o)	
7/9/2011	<0.002	
1/20/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	<0.002	
7/18/2013	<0.002	
1/15/2014	<0.002	
7/11/2014	<0.002	
1/15/2015	<0.002	
6/19/2015	<0.002	
1/16/2016	<0.002	
6/14/2016	<0.002	
1/10/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.00092 (J)
4/1/2020		<0.002
9/15/2020		0.00095 (J)
3/16/2021		<0.002
8/17/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-1	GWC-1
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/28/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/20/2013	<0.002	
7/19/2013	<0.002	
1/15/2014	<0.002	
7/11/2014	<0.002	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/16/2016	<0.002	
6/15/2016	<0.002	
1/12/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/12/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.001 (J)
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/18/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-11	GWC-11
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	0.0027	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/10/2009	<0.002	
12/29/2009	<0.002	
6/22/2010	<0.002	
1/5/2011	<0.002	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	<0.002	
7/19/2013	<0.002	
1/15/2014	<0.002	
7/11/2014	0.0014 (J)	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/14/2016	<0.002	
6/15/2016	<0.002	
1/12/2017	<0.002	
7/24/2017	<0.002	
1/11/2018	<0.002	
7/12/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		<0.002
4/2/2020		0.0013 (J)
9/15/2020		<0.002
3/17/2021		0.0019 (J)
8/18/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/10/2009	<0.002	
12/28/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/9/2011	<0.002	
1/20/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	<0.002	
7/18/2013	<0.002	
1/15/2014	<0.002	
7/11/2014	<0.002	
1/15/2015	<0.002	
6/19/2015	<0.002	
1/16/2016	<0.002	
6/15/2016	<0.002	
1/12/2017	<0.002	
7/20/2017	<0.002	
1/11/2018	<0.002	
7/12/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.00069 (J)
4/1/2020		<0.002
9/16/2020		<0.002
3/16/2021		<0.002
8/18/2021		0.00096 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.00084 (J)	
12/15/2015	<0.002	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	<0.002	
6/15/2016	<0.002	
1/11/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/11/2019		<0.002
4/1/2020		<0.002
9/15/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	0.0021 (J)	
12/14/2015	0.0018 (J)	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/26/2016	<0.002	
6/15/2016	<0.002	
1/11/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.0012 (J)
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	<0.002	
12/14/2015	0.00096 (J)	
12/28/2015	<0.002	
1/14/2016	<0.002	
1/26/2016	<0.002	
6/16/2016	0.00068 (J)	
1/11/2017	<0.002	
7/25/2017	<0.002	
1/12/2018	<0.002	
7/11/2018	<0.002	
1/30/2019		0.0021 (J)
3/27/2019		<0.002
9/11/2019		0.0011 (J)
4/1/2020		<0.002
9/15/2020		<0.002
3/17/2021		0.001 (J)
8/19/2021		0.00089 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	<0.002	
12/15/2015	<0.002	
12/28/2015	<0.002	
1/14/2016	<0.002	
1/26/2016	<0.002	
6/16/2016	0.00024 (J)	
1/16/2017	<0.002	
7/25/2017	<0.002	
1/12/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.00085 (J)
4/1/2020		<0.002
9/16/2020		<0.002
3/16/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	<0.002	
12/14/2015	<0.002	
12/29/2015	<0.002	
1/14/2016	<0.002	
1/25/2016	<0.002	
6/16/2016	0.00032 (J)	
1/13/2017	<0.002	
7/25/2017	<0.002	
1/12/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.0012 (J)
4/1/2020		<0.002
9/15/2020		<0.002
3/16/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.002	
12/14/2015	<0.002	
12/29/2015	0.00082 (J)	
1/14/2016	0.0064 (o)	
1/25/2016	<0.002	
6/16/2016	0.00042 (J)	
1/12/2017	<0.002	
7/25/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.00066 (J)
4/1/2020		<0.002
9/15/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	0.0011 (J)	
1/17/2017	<0.002	
7/25/2017	<0.002	
1/12/2018	<0.002	
7/12/2018	<0.002	
1/30/2019		<0.002
3/27/2019		<0.002
9/11/2019		0.00092 (J)
4/1/2020		<0.002
9/15/2020		<0.002
3/17/2021		<0.002
8/19/2021		0.0013 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-4A[\*GWB-4A]GWC-4A[\*GWB-4A]

8/25/2004	0.0023	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/14/2016	<0.0025	
1/10/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019	<0.0025	
3/26/2019	0.0021	
9/10/2019	0.0016 (J)	
3/31/2020	0.0051	
9/16/2020	0.00079 (J)	
3/17/2021	0.0012 (J)	
8/19/2021	0.00087 (J)	

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/29/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	<0.002	
7/18/2013	<0.002	
1/15/2014	<0.002	
7/10/2014	<0.002	
1/15/2015	<0.002	
6/19/2015	<0.002	
1/14/2016	0.00084 (J)	
6/14/2016	0.0021 (J)	
1/11/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		<0.002
3/31/2020		<0.002
9/15/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	0.0021	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/29/2009	<0.002	
6/22/2010	<0.002	
1/5/2011	<0.002	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	<0.002	
7/18/2013	<0.002	
1/15/2014	<0.002	
7/10/2014	<0.002	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/14/2016	<0.002	
6/15/2016	<0.002	
1/13/2017	<0.002	
7/24/2017	<0.002	
1/12/2018	<0.002	
7/12/2018	<0.002	
1/30/2019		0.002 (J)
3/27/2019		<0.002
9/11/2019		0.00092 (J)
4/1/2020		<0.002
9/16/2020		<0.002
3/17/2021		<0.002
8/19/2021		<0.002

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00058 (J)
3/31/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/18/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00013 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		0.00021 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019	<0.001	<0.001
3/26/2019	<0.001	<0.001
9/10/2019	0.00013 (J)	
4/1/2020	<0.001	
9/15/2020	0.00024 (J)	
3/16/2021	<0.001	
8/17/2021	<0.001	

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-2	GWA-2
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/16/2016	<0.001	
4/19/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/26/2016	<0.001	
11/15/2016	<0.001	
1/10/2017	<0.001	
2/28/2017	<0.001	
4/19/2017	<0.001	
7/17/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		0.00081 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	0.0002 (J)	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	<0.001	
3/1/2017	<0.001	
4/24/2017	0.00037 (J)	
7/24/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/2/2020		0.00025 (J)
9/15/2020		<0.001
3/17/2021		0.00031 (J)
8/18/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/14/2016	<0.001	
1/26/2016	<0.001	
4/19/2016	<0.001	
6/16/2016	0.00015 (J)	
8/11/2016	<0.001	
9/28/2016	<0.001	
11/16/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/25/2017	<0.001	
7/25/2017	<0.001	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/30/2019		0.00067 (J)
3/27/2019		<0.001
9/11/2019		0.00017 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		0.00015 (J)
8/19/2021		0.00037 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
4/21/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/13/2017	<0.001	
3/1/2017	<0.001	
4/25/2017	<0.001	
7/25/2017	<0.001	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00024 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/19/2021		<0.001



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
4/21/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	0.00079 (J)	
11/15/2016	<0.001	
1/12/2017	<0.001	
3/1/2017	<0.001	
4/24/2017	<0.001	
7/25/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00021 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	<0.001	
8/10/2016	<0.001	
9/28/2016	<0.001	
11/16/2016	<0.001	
1/17/2017	<0.001	
3/2/2017	<0.001	
4/25/2017	<0.001	
7/13/2017	<0.001	
7/25/2017	<0.001	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		0.00013 (J)
3/27/2019		<0.001
9/11/2019		0.00018 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/30/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/16/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	<0.001	
8/11/2016	<0.001	
9/27/2016	<0.001	
11/14/2016	<0.001	
1/10/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019	<0.001	<0.001
3/26/2019	<0.001	<0.001
9/10/2019	0.00051 (J)	
3/31/2020	0.00024 (J)	
9/16/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	0.00019 (J)	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
1/19/2017	0.001 (J)	
1/24/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	0.00041 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00074 (J)
3/31/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/14/2016	<0.001	
1/12/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.00033 (J)
3/26/2019		<0.001
9/10/2019		0.0004 (J)
3/31/2020		<0.001
9/15/2020		0.00037 (J)
3/16/2021		<0.001
8/18/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/29/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
6/14/2016	0.00052 (J)	
1/11/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.0004 (J)
3/26/2019		<0.0025
9/10/2019		0.00056 (J)
4/1/2020		0.00043 (J)
9/15/2020		0.00075 (J)
3/16/2021		0.00045 (J)
8/17/2021		0.00061 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	<0.001	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.0004 (J)
3/26/2019		<0.001
9/10/2019		0.00036 (J)
4/1/2020		<0.001
9/15/2020		0.00045 (J)
3/16/2021		0.00043 (J)
8/17/2021		0.00052 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-2	GWA-2
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	0.0043	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	0.0016 (J)	
7/11/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/16/2016	<0.0025	
6/14/2016	0.0006 (J)	
1/10/2017	<0.0025	
7/17/2017	<0.0025	
1/10/2018	0.0026	
7/11/2018	<0.0025	
1/29/2019		0.00063 (J)
3/27/2019		<0.0025
9/11/2019		0.00091 (J)
4/1/2020		0.00077 (J)
9/15/2020		0.00094 (J)
3/16/2021		0.00072 (J)
8/17/2021		0.00097 (J)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.001	
9/11/2004	0.03 (O)	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	0.025 (O)	
7/9/2011	<0.001	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
6/14/2016	<0.001	
1/10/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.00034 (J)
3/27/2019		<0.001
9/11/2019		0.00045 (J)
4/1/2020		<0.001
9/15/2020		0.00038 (J)
3/16/2021		<0.001
8/17/2021		0.00047 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-1	GWC-1
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	0.0013 (J)	
7/11/2014	0.0013 (J)	
1/16/2015	<0.0025	
6/20/2015	0.0016 (J)	
1/16/2016	<0.0025	
6/15/2016	0.00088 (J)	
1/12/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.0013
4/1/2020		0.00099 (J)
9/15/2020		0.0012
3/16/2021		0.0012
8/18/2021		0.0014

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/16/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	0.0013 (J)	
1/16/2016	<0.001	
6/16/2016	<0.001	
1/12/2017	<0.001	
7/24/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/1/2020		<0.001
9/15/2020		0.0013
3/16/2021		0.00043 (J)
8/18/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	0.0049	
1/19/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	0.0029	
1/16/2015	0.0014 (J)	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/15/2016	0.00085 (J)	
1/12/2017	<0.0025	
7/24/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00042 (J)
4/2/2020		0.0009 (J)
9/15/2020		0.00063 (J)
3/17/2021		0.00077 (J)
8/18/2021		0.00034 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/20/2012	<0.0025	
7/11/2012	0.0057	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	0.0043	
7/11/2014	0.0026	
1/15/2015	<0.0025	
6/19/2015	<0.0025	
1/16/2016	<0.0025	
6/15/2016	0.00068 (J)	
1/12/2017	<0.0025	
7/20/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.001
4/1/2020		0.0008 (J)
9/16/2020		0.00088 (J)
3/16/2021		0.00093 (J)
8/18/2021		0.00097 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	<0.001	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.00046 (J)
3/26/2019		<0.001
9/11/2019		0.00042 (J)
4/1/2020		<0.001
9/15/2020		0.00047 (J)
3/17/2021		0.00047 (J)
8/19/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	0.0036	
12/14/2015	0.0035	
12/28/2015	0.0032	
1/13/2016	0.0029	
1/26/2016	0.0027	
6/15/2016	0.0018 (J)	
1/11/2017	0.002 (J)	
7/19/2017	0.002 (J)	
1/11/2018	0.0019 (J)	
7/11/2018	<0.0025	
1/29/2019		0.0016 (J)
3/27/2019		0.0018
9/11/2019		0.0018
4/1/2020		0.0016
9/15/2020		0.0016
3/16/2021		0.0015
8/19/2021		0.0017

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	<0.0025	
12/14/2015	0.0019 (J)	
12/28/2015	0.0018 (J)	
1/14/2016	0.0017 (J)	
1/26/2016	0.0019 (J)	
6/16/2016	0.0014 (J)	
1/11/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.0012
4/1/2020		0.00095
9/15/2020		0.00092 (J)
3/17/2021		0.0011
8/19/2021		0.0011



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	0.0022 (J)	
12/15/2015	0.0019 (J)	
12/28/2015	0.0017 (J)	
1/14/2016	0.0029	
1/26/2016	0.0014 (J)	
6/16/2016	0.0013 (J)	
1/16/2017	0.0018 (J)	
7/25/2017	0.002 (J)	
1/12/2018	0.002 (J)	
7/11/2018	0.0018 (J)	
1/29/2019		0.0017 (J)
3/27/2019		<0.0025
9/11/2019		0.0018
4/1/2020		0.0014
9/16/2020		0.0012
3/16/2021		0.0012
8/19/2021		0.0012

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	0.0042	
12/14/2015	0.0067	
12/29/2015	0.0067	
1/14/2016	0.0039	
1/25/2016	0.0049	
6/16/2016	0.003 (J)	
1/13/2017	<0.0025	
7/25/2017	<0.0025	
1/12/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00093 (J)
3/27/2019		<0.0025
9/11/2019		0.0014
4/1/2020		0.001
9/15/2020		0.0011
3/16/2021		0.00093 (J)
8/19/2021		0.00092 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.0025	
12/14/2015	<0.0025	
12/29/2015	<0.0025	
1/14/2016	<0.0025	
1/25/2016	<0.0025	
6/16/2016	0.0012 (J)	
1/12/2017	<0.0025	
7/25/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00097 (J)
4/1/2020		0.00067 (J)
9/15/2020		0.0007 (J)
3/17/2021		0.00068 (J)
8/19/2021		0.00067 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	0.0009 (J)	
1/17/2017	<0.0025	
7/25/2017	0.002 (J)	
1/12/2018	0.0023 (J)	
7/12/2018	0.0026	
1/30/2019		<0.0025
3/27/2019		0.0018
9/11/2019		0.0023
4/1/2020		0.0013
9/15/2020		0.0013
3/17/2021		0.0014
8/19/2021		0.0013

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-4A[\*GWB-4A]GWC-4A[\*GWB-4A]

8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	0.0048	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	0.0026	
7/11/2012	0.0072	
1/20/2013	0.0025	
7/19/2013	<0.0025	
1/16/2014	0.0031	
7/10/2014	<0.0025	
1/16/2015	0.0024 (J)	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/14/2016	0.0013 (J)	
1/10/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	0.003	
1/29/2019		0.0021 (J)
3/26/2019		0.0021
9/10/2019		0.002
3/31/2020		0.0028
9/16/2020		0.00096 (J)
3/17/2021		0.00083 (J)
8/19/2021		0.00065 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	0.0031	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
6/14/2016	0.00054 (J)	
1/11/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00043 (J)
3/31/2020		<0.001
9/15/2020		0.00056 (J)
3/17/2021		0.00041 (J)
8/19/2021		0.00043 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	0.003	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	0.0033	
1/19/2013	0.0026	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/15/2016	<0.001	
1/13/2017	<0.001	
7/24/2017	<0.001	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00065 (J)
4/1/2020		<0.001
9/16/2020		0.00075 (J)
3/17/2021		0.0006 (J)
8/19/2021		0.00038 (J)

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.005	
12/15/2015	<0.005	
12/29/2015	<0.005	
1/13/2016	<0.005	
1/25/2016	<0.005	
4/20/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/12/2017	<0.005	
2/28/2017	<0.005	
4/20/2017	<0.005	
7/18/2017	<0.005	
1/10/2018	0.00025 (J)	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
3/31/2020		<0.005
9/15/2020		<0.005
3/16/2021		<0.005
8/18/2021		<0.005



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.005	
12/14/2015	<0.005	
12/28/2015	<0.005	
1/13/2016	<0.005	
1/25/2016	<0.005	
4/20/2016	<0.005	
6/15/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
3/1/2017	<0.005	
4/20/2017	<0.005	
7/19/2017	0.00025 (J)	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/16/2021		<0.005
8/17/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-2	GWA-2
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/28/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/20/2013	<0.005	
7/19/2013	<0.005	
1/15/2014	<0.005	
7/11/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/16/2016	<0.005	
4/19/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
9/26/2016	<0.005	
11/15/2016	<0.005	
1/10/2017	<0.005	
2/28/2017	<0.005	
4/19/2017	0.00065 (J)	
7/17/2017	0.00047 (J)	
1/10/2018	0.00052 (J)	
7/11/2018	<0.005	
1/29/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/16/2021		<0.005
8/17/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-3	GWA-3
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/28/2009	<0.005	
6/22/2010	<0.005	
1/5/2011	<0.005	
7/9/2011	<0.005	
1/20/2012	<0.005	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/18/2013	<0.005	
1/15/2014	<0.005	
7/11/2014	<0.005	
1/15/2015	<0.005	
6/19/2015	<0.005	
1/16/2016	<0.005	
4/19/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	0.00045 (J)	
11/14/2016	<0.005	
1/10/2017	<0.005	
2/28/2017	0.0027	
4/19/2017	0.002	
7/18/2017	0.0017	
1/10/2018	0.00079 (J)	
7/11/2018	<0.005	
1/29/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/16/2021		<0.005
8/17/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/28/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/20/2013	<0.005	
7/19/2013	<0.005	
1/15/2014	<0.005	
7/11/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/16/2016	<0.005	
4/20/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/12/2017	0.00035 (J)	
1/23/2017	<0.005	
3/1/2017	<0.005	
4/20/2017	<0.005	
7/19/2017	0.00026 (J)	
1/11/2018	<0.005	
7/12/2018	<0.005	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/16/2021		<0.005
8/18/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/10/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/10/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/20/2013	<0.005	
7/19/2013	<0.005	
1/16/2014	<0.005	
7/10/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/16/2016	<0.005	
4/21/2016	<0.005	
6/16/2016	<0.005	
8/10/2016	0.00026 (J)	
9/27/2016	0.00024 (J)	
11/15/2016	<0.005	
1/12/2017	<0.005	
3/1/2017	<0.005	
4/24/2017	<0.005	
7/24/2017	<0.005	
1/11/2018	<0.005	
7/12/2018	<0.005	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/16/2021		<0.005
8/18/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/10/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/5/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/19/2013	<0.005	
1/15/2014	<0.005	
7/11/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/14/2016	<0.005	
4/20/2016	<0.005	
6/15/2016	0.00052 (J)	
8/10/2016	0.00053 (J)	
9/27/2016	0.00047 (J)	
11/15/2016	<0.005	
1/12/2017	0.00025 (J)	
3/1/2017	<0.005	
4/24/2017	<0.005	
7/24/2017	0.00032 (J)	
1/11/2018	<0.005	
7/12/2018	0.00025 (J)	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/2/2020		<0.005
9/15/2020		<0.005
3/17/2021		<0.005
8/18/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.005	
12/15/2015	<0.005	
12/28/2015	<0.005	
1/13/2016	<0.005	
1/25/2016	<0.005	
4/21/2016	<0.005	
6/15/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
2/28/2017	<0.005	
4/20/2017	<0.005	
7/19/2017	0.00071 (J)	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/17/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	<0.005	
12/14/2015	<0.005	
12/28/2015	<0.005	
1/14/2016	<0.005	
1/26/2016	<0.005	
4/19/2016	<0.005	
6/16/2016	<0.005	
8/11/2016	<0.005	
9/28/2016	<0.005	
11/16/2016	<0.005	
1/11/2017	<0.005	
3/1/2017	<0.005	
4/25/2017	<0.005	
7/25/2017	<0.005	
1/12/2018	<0.005	
7/11/2018	0.00044 (J)	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/17/2021		<0.005
8/19/2021		<0.005



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	<0.005	
12/15/2015	<0.005	
12/28/2015	<0.005	
1/14/2016	<0.005	
1/26/2016	<0.005	
4/19/2016	<0.005	
6/16/2016	<0.005	
8/10/2016	<0.005	
9/28/2016	<0.005	
11/15/2016	<0.005	
1/16/2017	<0.005	
3/1/2017	<0.005	
4/25/2017	0.00052 (J)	
7/25/2017	<0.005	
1/12/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/16/2020		<0.005
3/16/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	<0.005	
12/14/2015	<0.005	
12/29/2015	<0.005	
1/14/2016	<0.005	
1/25/2016	<0.005	
4/21/2016	<0.005	
6/16/2016	<0.005	
8/10/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/13/2017	<0.005	
3/1/2017	<0.005	
4/25/2017	0.0021	
7/25/2017	<0.005	
1/12/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/16/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.005	
12/14/2015	<0.005	
12/29/2015	<0.005	
1/14/2016	<0.005	
1/25/2016	<0.005	
4/21/2016	<0.005	
6/16/2016	<0.005	
8/10/2016	<0.005	
9/27/2016	0.00043 (J)	
11/15/2016	<0.005	
1/12/2017	<0.005	
3/1/2017	<0.005	
4/24/2017	<0.005	
7/25/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005
3/17/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/30/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/10/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/20/2013	<0.005	
7/19/2013	<0.005	
1/16/2014	<0.005	
7/10/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/14/2016	<0.005	
4/20/2016	<0.005	
6/14/2016	<0.005	
8/11/2016	<0.005	
9/27/2016	<0.005	
11/14/2016	<0.005	
1/10/2017	<0.005	
2/28/2017	0.0024	
4/20/2017	<0.005	
7/18/2017	0.00026 (J)	
1/10/2018	0.00069 (J)	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
3/31/2020		<0.005
9/16/2020		<0.005
3/17/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/18/2013	<0.005	
1/15/2014	<0.005	
7/10/2014	<0.005	
1/15/2015	<0.005	
6/19/2015	<0.005	
1/14/2016	<0.005	
4/20/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
1/19/2017	0.0006 (J)	
1/24/2017	0.025 (o)	
2/28/2017	<0.005	
4/20/2017	<0.005	
7/18/2017	<0.005	
1/10/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
3/31/2020		<0.005
9/15/2020		<0.005
3/17/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-9	GWC-9
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	0.0058	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/5/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/18/2013	<0.005	
1/15/2014	<0.005	
7/10/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/14/2016	<0.005	
4/19/2016	<0.005	
6/15/2016	<0.005	
8/10/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/13/2017	<0.005	
3/1/2017	<0.005	
4/24/2017	<0.005	
7/24/2017	<0.005	
1/12/2018	<0.005	
7/12/2018	<0.005	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/16/2020		<0.005
3/17/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	0.00061 (J)	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/15/2016	<0.001	
1/12/2017	<0.001	
7/24/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/2/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/18/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	0.0001 (J)	
1/13/2016	6E-05 (J)	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00057 (J)
3/31/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/18/2021		0.00016 (J)



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	7.9E-05 (J)	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00021 (J)
4/1/2020		0.00018 (J)
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		0.0006 (J)

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019	<0.001	<0.001
3/26/2019	<0.001	<0.001
9/10/2019		0.0002 (J)
4/1/2020	<0.001	<0.001
9/15/2020	<0.001	<0.001
3/16/2021	<0.001	<0.001
8/17/2021		0.00025 (J)

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
6/20/2015	<0.001	
1/16/2016	<0.001	
4/19/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/26/2016	<0.001	
11/15/2016	<0.001	
1/10/2017	<0.001	
2/28/2017	<0.001	
4/19/2017	<0.001	
7/17/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/1/2020		0.00017 (J)
9/15/2020		0.00029 (J)
3/16/2021		<0.001
8/17/2021		0.00062 (J)

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
4/19/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/14/2016	<0.001	
1/10/2017	<0.001	
2/28/2017	<0.001	
4/19/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/1/2020		<0.001
9/15/2020		0.00017 (J)
3/16/2021		<0.001
8/17/2021		0.00015 (J)

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/18/2013	<0.001	
1/16/2014	<0.001	
6/20/2015	<0.001	
1/16/2016	<0.001	
4/21/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	<0.001	
3/1/2017	<0.001	
4/24/2017	<0.001	
7/24/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.0002 (J)
4/1/2020		0.00031 (J)
9/15/2020		<0.001
3/16/2021		0.00037 (J)
8/18/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
6/20/2015	<0.001	
1/14/2016	6.1E-05 (J)	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	<0.001	
3/1/2017	<0.001	
4/24/2017	<0.001	
7/24/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/2/2020		0.00028 (J)
9/15/2020		<0.001
3/17/2021		0.00047 (J)
8/18/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/20/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00017 (J)
4/1/2020		<0.001
9/16/2020		<0.001
3/16/2021		0.00022 (J)
8/18/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	0.0001 (J)	
12/14/2015	9E-05 (J)	
12/28/2015	9E-05 (J)	
1/13/2016	0.0001 (J)	
1/26/2016	9.5E-05 (J)	
4/20/2016	<0.001	
6/15/2016	3.8E-05 (J)	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		<0.001
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/19/2021		<0.001



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	0.0001 (J)	
12/14/2015	0.0001 (J)	
12/28/2015	0.0001 (J)	
1/14/2016	0.000137 (J)	
1/26/2016	0.000142 (J)	
4/19/2016	<0.001	
6/16/2016	0.00013 (J)	
8/11/2016	0.00011 (J)	
9/28/2016	0.00012 (J)	
11/16/2016	<0.001	
1/11/2017	9.5E-05 (J)	
3/1/2017	0.00011 (J)	
4/25/2017	0.00012 (J)	
7/25/2017	0.00011 (J)	
1/12/2018	0.00011 (J)	
7/11/2018	9.5E-05 (J)	
1/30/2019		0.00012 (J)
3/27/2019		<0.001
9/11/2019		0.00018 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		0.00016 (J)
8/19/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/14/2016	7.9E-05 (J)	
1/26/2016	<0.001	
4/19/2016	<0.001	
6/16/2016	<0.001	
8/10/2016	<0.001	
9/28/2016	<0.001	
11/15/2016	<0.001	
1/16/2017	<0.001	
3/1/2017	<0.001	
4/25/2017	<0.001	
7/25/2017	<0.001	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00019 (J)
4/1/2020		<0.001
9/16/2020		0.00026 (J)
3/16/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	0.0001 (J)	
12/14/2015	9E-05 (J)	
12/29/2015	0.0001 (J)	
1/14/2016	0.000118 (J)	
1/25/2016	0.000102 (J)	
4/21/2016	<0.001	
6/16/2016	5.2E-05 (J)	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/13/2017	<0.001	
3/1/2017	<0.001	
4/25/2017	<0.001	
7/25/2017	<0.001	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00034 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
4/21/2016	<0.001	
6/16/2016	2.7E-05 (J)	
8/10/2016	<0.001	
9/27/2016	0.00016 (J)	
11/15/2016	<0.001	
1/12/2017	<0.001	
3/1/2017	<0.001	
4/24/2017	<0.001	
7/25/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00041 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	<0.001	
8/10/2016	<0.001	
9/28/2016	<0.001	
11/16/2016	<0.001	
1/17/2017	<0.001	
3/2/2017	<0.001	
4/25/2017	<0.001	
7/13/2017	<0.001	
7/25/2017	9E-05 (J)	
1/12/2018	0.00011 (J)	
7/12/2018	0.0001 (J)	
1/30/2019		0.00016 (J)
3/27/2019		0.00011
9/11/2019		0.00034 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]
8/25/2004	<0.001
9/11/2004	<0.001
9/26/2004	<0.001
10/13/2004	<0.001
7/11/2005	<0.001
12/7/2005	<0.001
6/22/2006	<0.001
11/28/2006	<0.001
7/6/2007	<0.001
12/13/2007	<0.001
6/20/2008	<0.001
12/7/2008	<0.001
7/9/2009	<0.001
12/30/2009	<0.001
6/22/2010	<0.001
1/4/2011	<0.001
7/9/2011	<0.001
1/21/2012	<0.001
7/11/2012	<0.001
1/20/2013	<0.001
7/19/2013	<0.001
1/16/2014	<0.001
6/20/2015	<0.001
1/14/2016	<0.001
4/20/2016	<0.001
6/14/2016	3.6E-05 (J)
8/11/2016	<0.001
9/27/2016	<0.001
11/14/2016	<0.001
1/10/2017	<0.001
2/28/2017	<0.001
4/20/2017	<0.001
7/18/2017	<0.001
1/10/2018	<0.001
7/11/2018	<0.001
1/29/2019	<0.001
3/26/2019	<0.001
9/10/2019	0.00033 (J)
3/31/2020	<0.001
9/16/2020	<0.001
3/17/2021	<0.001
8/19/2021	<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
1/19/2017	<0.001	
1/24/2017	0.00072	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		<0.001
3/31/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
4/19/2016	<0.001	
6/15/2016	<0.001	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/13/2017	<0.001	
3/1/2017	<0.001	
4/24/2017	<0.001	
7/24/2017	<0.001	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.00023 (J)
4/1/2020		<0.001
9/16/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/14/2016	0.00055 (J)	
1/12/2017	0.0018 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.0018 (J)
3/26/2019		<0.001
9/10/2019		0.0027
3/31/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/18/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/14/2016	0.00033 (J)	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.002
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:21 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	0.00015 (J)	
1/11/2017	0.0015 (J)	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0019
9/10/2019		0.0019
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	0.0051	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/16/2016	<0.001	
6/14/2016	0.00044 (J)	
1/10/2017	0.0014 (J)	
7/17/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0019
9/11/2019		0.0014
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	0.0031	
12/13/2007	<0.001	
6/20/2008	0.005	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	0.056 (O)	
7/9/2011	0.0033	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
6/14/2016	0.00027 (J)	
1/10/2017	0.0015 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0047
9/11/2019		0.0012
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	0.0032	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	0.0017 (J)	
1/16/2016	<0.001	
6/15/2016	0.00031 (J)	
1/12/2017	0.0031	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.0013
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/18/2021		0.0011

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-10	GWC-10
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/16/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	0.00098 (J)	
6/20/2015	0.0019 (J)	
1/16/2016	0.0008 (J)	
6/16/2016	0.0011 (J)	
1/12/2017	0.0087	
7/24/2017	0.0027	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		0.0027 (J)
3/27/2019		0.0065
9/11/2019		0.0022
4/1/2020		0.0012
9/15/2020		<0.001
3/16/2021		0.0013
8/18/2021		0.0015

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	0.0093 (o)	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	0.001 (J)	
1/16/2015	0.00089 (J)	
6/20/2015	0.0017 (J)	
1/14/2016	0.0017 (J)	
6/15/2016	0.0018 (J)	
1/12/2017	0.01	
7/24/2017	0.0015 (J)	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		0.0016
9/11/2019		0.0025
4/2/2020		0.0016
9/15/2020		0.001
3/17/2021		0.0015
8/18/2021		0.0018



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
6/15/2016	0.0004 (J)	
1/12/2017	0.0075	
7/20/2017	0.0015 (J)	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0078
9/11/2019		0.0011
4/1/2020		<0.001
9/16/2020		<0.001
3/16/2021		<0.001
8/18/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	0.0003 (J)	
1/11/2017	0.0017 (J)	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0041
9/11/2019		0.0016
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/26/2016	<0.001	
6/15/2016	0.00047 (J)	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.004
9/11/2019		0.0018
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/19/2021		0.0013

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	0.0023 (J)	
12/14/2015	0.0028 (J)	
12/28/2015	0.0024 (J)	
1/14/2016	0.0022 (J)	
1/26/2016	0.0022 (J)	
6/16/2016	0.0041 (J)	
1/11/2017	0.003	
7/25/2017	0.0055	
1/12/2018	0.0022 (J)	
7/11/2018	0.0016 (J)	
1/30/2019		0.0042 (J)
3/27/2019		0.0074
9/11/2019		0.0037
4/1/2020		0.0024
9/15/2020		0.0022
3/17/2021		0.0026
8/19/2021		0.003

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	0.0023 (J)	
12/15/2015	0.0016 (J)	
12/28/2015	0.0013 (J)	
1/14/2016	0.0014 (J)	
1/26/2016	0.0013 (J)	
6/16/2016	0.00092 (J)	
1/16/2017	0.0067	
7/25/2017	0.0035	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.0023
4/1/2020		<0.001
9/16/2020		<0.001
3/16/2021		<0.001
8/19/2021		0.0015

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
6/16/2016	0.00054 (J)	
1/13/2017	0.0074	
7/25/2017	0.0034	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0031
9/11/2019		0.0018
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
6/16/2016	0.00048 (J)	
1/12/2017	0.0058	
7/25/2017	0.0029	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0049
9/11/2019		0.0015
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	0.00063 (J)	
1/17/2017	0.0026	
7/25/2017	0.003	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0055
9/11/2019		0.0015
4/1/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		0.0011



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	0.0033	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/30/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/16/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/14/2016	0.00028 (J)	
1/10/2017	0.0014 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019	<0.001	<0.001
3/26/2019		0.0027
9/10/2019		0.0018
3/31/2020		<0.001
9/16/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	0.0035 (J)	
1/14/2016	<0.001	
6/14/2016	0.00047 (J)	
1/11/2017	0.0016 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0015
9/10/2019		0.0018
3/31/2020		<0.001
9/15/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	0.0037	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/15/2016	0.00019 (J)	
1/13/2017	0.0091	
7/24/2017	0.0027	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.006
9/11/2019		0.0015
4/1/2020		<0.001
9/16/2020		<0.001
3/17/2021		<0.001
8/19/2021		<0.001

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
12/7/2015	0.0034	
12/15/2015	0.003	
12/29/2015	0.0028	
1/13/2016	0.0025	
1/25/2016	0.0022 (J)	
6/14/2016	0.0042 (J)	
1/12/2017	<0.005	
7/18/2017	<0.005	
1/10/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		0.0061
3/31/2020		<0.005
9/15/2020		0.0037 (J)
3/16/2021		<0.005
8/18/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
12/7/2015	0.0044	
12/15/2015	0.0031	
12/29/2015	0.0028	
1/13/2016	0.0028	
1/25/2016	0.0034	
6/14/2016	0.0036 (J)	
1/11/2017	0.013 (J)	
7/19/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0048 (J)
3/26/2019		<0.005
9/10/2019		0.0069
4/1/2020		<0.005
9/15/2020		0.024
3/16/2021		0.007
8/17/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.0048	
12/14/2015	0.0038	
12/28/2015	0.0042	
1/13/2016	0.0036	
1/25/2016	0.0033	
6/15/2016	0.0032 (J)	
1/11/2017	<0.005	
7/19/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0024 (J)
3/26/2019		<0.005
9/10/2019		0.006
4/1/2020		<0.005
9/15/2020		0.0033 (J)
3/16/2021		0.005
8/17/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2	GWA-2
8/25/2004	0.014	
9/11/2004	<0.02	
9/26/2004	<0.02	
10/13/2004	<0.02	
7/11/2005	<0.02	
12/7/2005	<0.02	
6/22/2006	0.0041	
11/28/2006	0.0033	
7/6/2007	0.0036	
12/13/2007	<0.02	
6/20/2008	0.0045	
12/7/2008	0.0031	
7/9/2009	0.004	
12/28/2009	0.0027	
6/22/2010	0.0028	
1/4/2011	0.0027	
7/9/2011	0.0051	
1/21/2012	0.004	
7/11/2012	0.0075	
1/20/2013	0.0034	
7/19/2013	<0.02	
1/15/2014	0.0049	
7/11/2014	0.0038	
1/16/2015	0.0032	
6/20/2015	0.0042	
1/16/2016	0.0042	
6/14/2016	0.0043 (J)	
1/10/2017	0.0084 (J)	
7/17/2017	<0.02	
1/10/2018	<0.02	
7/11/2018	<0.02	
1/29/2019		0.0064 (J)
3/27/2019		<0.02
9/11/2019		0.0089
4/1/2020		0.0066
9/15/2020		0.0049 (J)
3/16/2021		0.0045 (J)
8/17/2021		0.004 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3	GWA-3
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	0.0042	
11/28/2006	0.0048	
7/6/2007	0.045	
12/13/2007	0.005	
6/20/2008	0.012	
12/7/2008	0.042	
7/9/2009	0.0038	
12/28/2009	<0.005	
6/22/2010	<0.005	
1/5/2011	0.057 (O)	
7/9/2011	0.0085	
1/20/2012	0.0057	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/18/2013	0.0028	
1/15/2014	0.0047	
7/11/2014	0.0025	
1/15/2015	0.002 (J)	
6/19/2015	0.0019 (J)	
1/16/2016	0.0033	
6/14/2016	0.0028 (J)	
1/10/2017	0.0079 (J)	
7/18/2017	<0.005	
1/10/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/27/2019		<0.005
9/11/2019		0.012
4/1/2020		<0.005
9/15/2020		<0.005
3/16/2021		0.0035 (J)
8/17/2021		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1
8/25/2004	0.012	
9/11/2004	<0.02	
9/26/2004	<0.02	
7/11/2005	<0.02	
12/7/2005	0.015	
6/22/2006	0.0044	
11/28/2006	0.0034	
7/6/2007	0.0029	
12/13/2007	<0.02	
6/20/2008	0.0035	
12/7/2008	0.0036	
7/9/2009	0.0032	
12/28/2009	0.0032	
6/22/2010	0.0032	
1/4/2011	<0.02	
7/9/2011	0.0076	
1/21/2012	0.0034	
7/11/2012	0.0028	
1/20/2013	0.0032	
7/19/2013	0.0028	
1/15/2014	0.0047	
7/11/2014	0.0041	
1/16/2015	0.0035	
6/20/2015	0.0043	
1/16/2016	0.002 (J)	
6/15/2016	0.0027 (J)	
1/12/2017	<0.02	
7/19/2017	<0.02	
1/11/2018	<0.02	
7/12/2018	<0.02	
1/30/2019		0.0031 (J)
3/27/2019		<0.02
9/11/2019		0.0088
4/1/2020		0.0046 (J)
9/15/2020		0.0049 (J)
3/16/2021		0.0047 (J)
8/18/2021		0.0035 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-10	GWC-10
8/25/2004	<0.005	
9/11/2004	0.01	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	0.0034	
11/28/2006	0.019	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	0.0039	
12/7/2008	<0.005	
7/10/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/10/2011	0.0026	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/20/2013	<0.005	
7/19/2013	<0.005	
1/16/2014	0.0031	
7/10/2014	0.0012 (J)	
1/16/2015	0.0017 (J)	
6/20/2015	0.0036	
1/16/2016	<0.005	
6/16/2016	<0.005	
1/12/2017	<0.005	
7/24/2017	<0.005	
1/11/2018	<0.005	
7/12/2018	<0.005	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		0.0058
4/1/2020		<0.005
9/15/2020		0.0043 (J)
3/16/2021		<0.005
8/18/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-11
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	0.0025	
11/28/2006	0.0026	
7/6/2007	0.0025	
12/13/2007	<0.005	
6/20/2008	0.0089	
12/7/2008	0.041 (O)	
7/10/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/5/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	0.005	
7/11/2012	0.0025	
1/19/2013	<0.005	
7/19/2013	<0.005	
1/15/2014	0.0034	
7/11/2014	0.0019 (J)	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/14/2016	0.0022 (J)	
6/15/2016	0.0028 (J)	
1/12/2017	<0.005	
7/24/2017	<0.005	
1/11/2018	<0.005	
7/12/2018	<0.005	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		0.005
4/2/2020		0.0049 (J)
9/15/2020		<0.005
3/17/2021		0.0032 (J)
8/18/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWC-12
8/25/2004	<0.005	
9/11/2004	0.01	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	0.0038	
11/28/2006	0.007	
7/6/2007	0.0025	
12/13/2007	0.0032	
6/20/2008	0.0044	
12/7/2008	0.0042	
7/10/2009	0.0025	
12/28/2009	0.0027	
6/22/2010	<0.005	
1/4/2011	0.0033	
7/9/2011	0.0043	
1/20/2012	0.0038	
7/11/2012	0.0035	
1/19/2013	0.0028	
7/18/2013	0.0028	
1/15/2014	0.0053	
7/11/2014	0.0034	
1/15/2015	0.003	
6/19/2015	0.0035	
1/16/2016	0.0023 (J)	
6/15/2016	0.0031 (J)	
1/12/2017	<0.005	
7/20/2017	<0.005	
1/11/2018	<0.005	
7/12/2018	<0.005	
1/30/2019		<0.005
3/27/2019		<0.005
9/11/2019		0.0066
4/1/2020		<0.005
9/16/2020		0.0033 (J)
3/16/2021		<0.005
8/18/2021		0.0081

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.0052	
12/15/2015	0.0046	
12/28/2015	0.0042	
1/13/2016	0.0038	
1/25/2016	0.0036	
6/15/2016	0.0028 (J)	
1/11/2017	0.014 (J)	
7/19/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0059 (J)
3/26/2019		<0.005
9/11/2019		0.0062
4/1/2020		<0.005
9/15/2020		0.0033 (J)
3/17/2021		0.0063
8/19/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
12/8/2015	0.0058	
12/14/2015	0.006	
12/28/2015	0.0058	
1/13/2016	0.0056	
1/26/2016	0.0046	
6/15/2016	0.0053 (J)	
1/11/2017	0.018 (J)	
7/19/2017	<0.02	
1/11/2018	<0.02	
7/11/2018	<0.02	
1/29/2019		0.0059 (J)
3/27/2019		<0.02
9/11/2019		0.013
4/1/2020		0.005
9/15/2020		0.0052
3/16/2021		0.006
8/19/2021		0.013

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
12/8/2015	0.0017 (J)	
12/14/2015	0.0028	
12/28/2015	0.0024 (J)	
1/14/2016	0.0036	
1/26/2016	0.0036	
6/16/2016	0.0052 (J)	
1/11/2017	0.025	
7/25/2017	<0.005	
1/12/2018	<0.005	
7/11/2018	<0.005	
1/30/2019		0.5
3/27/2019		<0.005
9/11/2019		0.0058
4/1/2020		<0.005
9/15/2020		0.0032 (J)
3/17/2021		0.0032 (J)
8/19/2021		0.015

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
12/8/2015	0.0035	
12/15/2015	0.0028	
12/28/2015	0.0023 (J)	
1/14/2016	0.012	
1/26/2016	0.0034	
6/16/2016	0.0026 (J)	
1/16/2017	<0.005	
7/25/2017	<0.005	
1/12/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0051 (J)
3/27/2019		<0.005
9/11/2019		0.0046 (J)
4/1/2020		<0.005
9/16/2020		0.004 (J)
3/16/2021		<0.005
8/19/2021		0.017



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
12/9/2015	0.0035	
12/14/2015	0.0056	
12/29/2015	0.0084	
1/14/2016	0.0048	
1/25/2016	0.0069	
6/16/2016	0.0048 (J)	
1/13/2017	<0.005	
7/25/2017	<0.005	
1/12/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/27/2019		<0.005
9/11/2019		0.0073
4/1/2020		<0.005
9/15/2020		0.0044 (J)
3/16/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
12/9/2015	0.0016 (J)	
12/14/2015	0.0015 (J)	
12/29/2015	<0.005	
1/14/2016	0.0052	
1/25/2016	0.0017 (J)	
6/16/2016	0.0097 (J)	
1/12/2017	<0.005	
7/25/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/30/2019		0.0025 (J)
3/27/2019		<0.005
9/11/2019		0.0063
4/1/2020		0.0032 (J)
9/15/2020		<0.005
3/17/2021		<0.005
8/19/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	0.0098 (J)	
1/17/2017	<0.02	
7/25/2017	0.0069 (J)	
1/12/2018	<0.02	
7/12/2018	<0.02	
1/30/2019		0.0049 (J)
3/27/2019		<0.02
9/11/2019		0.0086
4/1/2020		0.0033 (J)
9/15/2020		0.004 (J)
3/17/2021		0.0033 (J)
8/19/2021		0.0081

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-4A[*GWB-4A]GWC-4A[*GWB-4A]	
8/25/2004	<0.02	
9/11/2004	<0.02	
9/26/2004	<0.02	
10/13/2004	<0.02	
7/11/2005	<0.02	
12/7/2005	0.06 (O)	
6/22/2006	0.0061	
11/28/2006	0.0064	
7/6/2007	0.011	
12/13/2007	0.0061	
6/20/2008	0.009	
12/7/2008	0.0071	
7/9/2009	0.0059	
12/30/2009	0.0038	
6/22/2010	0.0044	
1/4/2011	0.0038	
7/10/2011	0.005	
1/21/2012	0.0074	
7/11/2012	0.0047	
1/20/2013	<0.02	
7/19/2013	0.0032	
1/16/2014	0.019	
7/10/2014	0.0038	
1/16/2015	0.0045	
6/20/2015	0.0023 (J)	
1/14/2016	0.0024 (J)	
6/14/2016	0.0053 (J)	
1/10/2017	<0.02	
7/18/2017	<0.02	
1/10/2018	<0.02	
7/11/2018	0.0098 (J)	
1/29/2019		0.0064 (J)
3/26/2019		0.01
9/10/2019		0.012
3/31/2020		0.013
9/16/2020		0.011
3/17/2021		0.0039 (J)
8/19/2021		0.004 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.017	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	0.0033	
11/28/2006	0.0034	
7/6/2007	0.0037	
12/13/2007	<0.005	
6/20/2008	0.0042	
12/7/2008	0.0049	
7/9/2009	0.0032	
12/29/2009	0.0031	
6/22/2010	<0.005	
1/4/2011	0.0029	
7/9/2011	0.0038	
1/21/2012	0.0057	
7/11/2012	0.0032	
1/19/2013	0.0032	
7/18/2013	0.0027	
1/15/2014	0.0059	
7/10/2014	0.0064	
1/15/2015	0.0024 (J)	
6/19/2015	0.0057	
1/14/2016	0.0022 (J)	
6/14/2016	0.0028 (J)	
1/11/2017	0.013 (J)	
7/18/2017	<0.005	
1/10/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0027 (J)
3/26/2019		<0.005
9/10/2019		0.022
3/31/2020		<0.005
9/15/2020		0.0049 (J)
3/17/2021		0.0041 (J)
8/19/2021		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:22 PM View: Appendix I  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-9	GWC-9
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	0.0034	
7/6/2007	0.0049	
12/13/2007	<0.005	
6/20/2008	0.006	
12/7/2008	0.0043	
7/9/2009	<0.005	
12/29/2009	0.0061	
6/22/2010	<0.005	
1/5/2011	<0.005	
7/9/2011	0.0077	
1/21/2012	0.0032	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/18/2013	<0.005	
1/15/2014	0.0036	
7/10/2014	0.0024 (J)	
1/16/2015	0.0055	
6/20/2015	<0.005	
1/14/2016	<0.005	
6/15/2016	0.0037 (J)	
1/13/2017	<0.005	
7/24/2017	<0.005	
1/12/2018	<0.005	
7/12/2018	<0.005	
1/30/2019		0.051
3/27/2019		<0.005
9/11/2019		0.0058
4/1/2020		<0.005
9/16/2020		0.0035 (J)
3/17/2021		<0.005
8/19/2021		<0.005

FIGURE E.

# Appendix I Interwell Prediction Limit - All Results (No Significant)

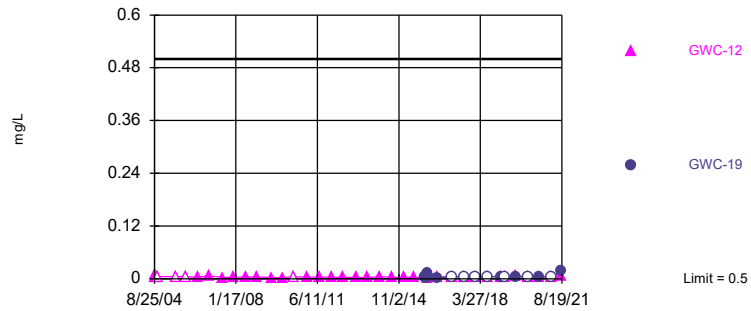
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:48 PM

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-12	0.5	n/a	8/18/2021	0.0081	No	252	n/a	n/a	34.92	n/a	n/a	7.3e-7	NP Inter (normality) 1 of 3
Zinc (mg/L)	GWC-19	0.5	n/a	8/19/2021	0.017	No	252	n/a	n/a	34.92	n/a	n/a	7.3e-7	NP Inter (normality) 1 of 3



Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

### Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 252 background values. 34.92% NDs. Annual per-constituent alpha = 0.0000131. Individual comparison alpha = 7.3e-7 (1 of 3). Comparing 2 points to limit. Assumes 7 future values.

Constituent: Zinc Analysis Run 9/26/2021 9:38 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]...	GWC-4A[*GWB-4]...	GWA-3 (bg)	GWC-12	GWA-2 (bg)	GWC-15[*GWB-1]...	GWA-13 (bg)	GWA-16[*GWB-1]...	GWA-14 (bg)
8/25/2004	0.017	<0.005	<0.005	<0.005	0.014				
9/11/2004	<0.005	<0.005	<0.005	<0.005	<0.005				
9/26/2004	<0.005	<0.005	<0.005	<0.005	<0.005				
10/13/2004	<0.005	<0.005	<0.005	<0.005	<0.005				
7/11/2005	<0.005	<0.005	<0.005	<0.005	<0.005				
12/7/2005	<0.005	0.06 (O)	<0.005	<0.005	<0.005				
6/22/2006	0.0033	0.0061	0.0042	0.0038	0.0041				
11/28/2006	0.0034	0.0064	0.0048	0.007	0.0033				
7/6/2007	0.0037	0.011	0.045	0.0025	0.0036				
12/13/2007	<0.005	0.0061	0.005	0.0032	<0.005				
6/20/2008	0.0042	0.009	0.012	0.0044	0.0045				
12/7/2008	0.0049	0.0071	0.042	0.0042	0.0031				
7/9/2009	0.0032	0.0059	0.0038		0.004				
7/10/2009				0.0025					
12/28/2009			<0.005	0.0027	0.0027				
12/29/2009	0.0031								
12/30/2009		0.0038							
6/22/2010	<0.005	0.0044	<0.005	<0.005	0.0028				
1/4/2011	0.0029	0.0038		0.0033	0.0027				
1/5/2011			0.057 (O)						
7/9/2011	0.0038		0.0085	0.0043	0.0051				
7/10/2011		0.005							
1/20/2012			0.0057	0.0038					
1/21/2012	0.0057	0.0074			0.004				
7/11/2012	0.0032	0.0047	<0.005	0.0035	0.0075				
1/19/2013	0.0032		<0.005	0.0028					
1/20/2013		<0.005			0.0034				
7/18/2013	0.0027		0.0028	0.0028					
7/19/2013		0.0032			<0.005				
1/15/2014	0.0059		0.0047	0.0053	0.0049				
1/16/2014		0.019							
7/10/2014	0.0064	0.0038							
7/11/2014			0.0025	0.0034	0.0038				
1/15/2015	0.0024 (J)		0.002 (J)	0.003					
1/16/2015		0.0045			0.0032				
6/19/2015	0.0057		0.0019 (J)	0.0035					
6/20/2015		0.0023 (J)			0.0042				
12/7/2015						0.0052	0.0034	0.0048	0.0044
12/8/2015									
12/14/2015								0.0038	
12/15/2015						0.0046	0.003		0.0031
12/28/2015						0.0042		0.0042	
12/29/2015							0.0028		0.0028
1/13/2016						0.0038	0.0025	0.0036	0.0028
1/14/2016	0.0022 (J)	0.0024 (J)							
1/16/2016			0.0033	0.0023 (J)	0.0042				
1/25/2016						0.0036	0.0022 (J)	0.0033	0.0034
1/26/2016									
6/14/2016	0.0028 (J)	0.0053 (J)	0.0028 (J)		0.0043 (J)		0.0042 (J)		0.0036 (J)
6/15/2016				0.0031 (J)		0.0028 (J)		0.0032 (J)	
6/16/2016									
1/10/2017		<0.005	0.0079 (J)		0.0084 (J)				

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-5[*GWB-5]...	GWC-4A[*GWB-4...GWA-3 (bg)	GWC-12	GWA-2 (bg)	GWC-15[*GWB-1...GWA-13 (bg)	GWA-16[*GWB-1...GWA-14 (bg)
1/11/2017	0.013 (J)				0.014 (J)	0.013 (J)
1/12/2017			<0.005			
1/16/2017						
7/17/2017				<0.005		
7/18/2017	<0.005	<0.005	<0.005			
7/19/2017					<0.005	<0.005
7/20/2017			<0.005			
7/25/2017						
1/10/2018	<0.005	<0.005	<0.005	<0.005		
1/11/2018			<0.005		<0.005	<0.005
1/12/2018						
7/11/2018	<0.005	0.0098 (J)	<0.005	<0.005	<0.005	<0.005
7/12/2018			<0.005			
1/29/2019	0.0027 (J)	0.0064 (J)	<0.005		0.0059 (J)	0.0024 (J)
1/30/2019			<0.005			
3/26/2019	<0.005	0.01			<0.005	<0.005
3/27/2019			<0.005	<0.005		
9/10/2019	0.022	0.012				0.0061
9/11/2019			0.012	0.0066	0.0089	0.0062
3/31/2020	<0.005	0.013				<0.005
4/1/2020			<0.005	<0.005	0.0066	<0.005
9/15/2020	0.0049 (J)		<0.005		0.0049 (J)	0.0033 (J)
9/16/2020		0.011		0.0033 (J)		
3/16/2021			0.0035 (J)	<0.005	0.0045 (J)	<0.005
3/17/2021	0.0041 (J)	0.0039 (J)			0.0063	0.005
8/17/2021			<0.005		0.004 (J)	<0.005
8/18/2021				0.0081		<0.005
8/19/2021	<0.005	0.004 (J)			<0.005	

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-19	GWC-18 (bg)
8/25/2004			
9/11/2004			
9/26/2004			
10/13/2004			
7/11/2005			
12/7/2005			
6/22/2006			
11/28/2006			
7/6/2007			
12/13/2007			
6/20/2008			
12/7/2008			
7/9/2009			
7/10/2009			
12/28/2009			
12/29/2009			
12/30/2009			
6/22/2010			
1/4/2011			
1/5/2011			
7/9/2011			
7/10/2011			
1/20/2012			
1/21/2012			
7/11/2012			
1/19/2013			
1/20/2013			
7/18/2013			
7/19/2013			
1/15/2014			
1/16/2014			
7/10/2014			
7/11/2014			
1/15/2015			
1/16/2015			
6/19/2015			
6/20/2015			
12/7/2015			
12/8/2015	0.0058	0.0035	0.0017 (J)
12/14/2015	0.006		0.0028
12/15/2015		0.0028	
12/28/2015	0.0058	0.0023 (J)	0.0024 (J)
12/29/2015			
1/13/2016	0.0056		
1/14/2016		0.012	0.0036
1/16/2016			
1/25/2016			
1/26/2016	0.0046	0.0034	0.0036
6/14/2016			
6/15/2016	0.0053 (J)		
6/16/2016		0.0026 (J)	0.0052 (J)
1/10/2017			

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-19	GWC-18 (bg)
1/11/2017	0.018 (J)		0.025
1/12/2017			
1/16/2017		<0.005	
7/17/2017			
7/18/2017			
7/19/2017	<0.005		
7/20/2017			
7/25/2017		<0.005	<0.005
1/10/2018			
1/11/2018	<0.005		
1/12/2018		<0.005	<0.005
7/11/2018	<0.005	<0.005	<0.005
7/12/2018			
1/29/2019	0.0059 (J)	0.0051 (J)	
1/30/2019			0.5
3/26/2019			
3/27/2019	<0.005	<0.005	<0.005
9/10/2019			
9/11/2019	0.013	0.0046 (J)	0.0058
3/31/2020			
4/1/2020	0.005	<0.005	<0.005
9/15/2020	0.0052		0.0032 (J)
9/16/2020		0.004 (J)	
3/16/2021	0.006	<0.005	
3/17/2021			0.0032 (J)
8/17/2021			
8/18/2021			
8/19/2021	0.013	0.017	0.015

FIGURE F.

# Appendix I Intrawell Trend Test Summary - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:49 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>
Zinc (mg/L)	GWA-14 (bg)	0.0005629	72	63	Yes	17	35.29	n/a	n/a	0.01	NP

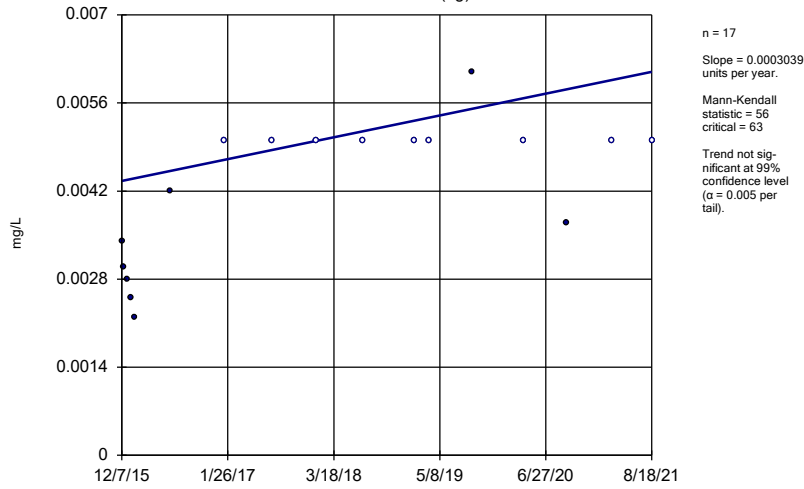
# Appendix I Intrawell Trend Test Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/26/2021, 9:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Zinc (mg/L)	GWA-13 (bg)	0.0003039	56	63	No	17	52.94	n/a	n/a	0.01	NP
<b>Zinc (mg/L)</b>	<b>GWA-14 (bg)</b>	<b>0.0005629</b>	<b>72</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>35.29</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Zinc (mg/L)	GWA-16[*GWB-16] (bg)	0.0000293	31	63	No	17	41.18	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-2 (bg)	0	7	206	No	38	28.95	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0	-65	-199	No	37	48.65	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-12	0	29	206	No	38	36.84	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-15[*GWB-15] (bg)	0.0001197	23	63	No	17	35.29	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-17 (bg)	0.00003514	13	63	No	17	23.53	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-18 (bg)	0.0005854	44	63	No	17	29.41	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-19	0.0003202	43	63	No	17	41.18	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-4A[*GWB-4A] (bg)	-0.0001643	-104	-199	No	37	24.32	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-5[*GWB-5] (bg)	0	-29	-206	No	38	34.21	n/a	n/a	0.01	NP

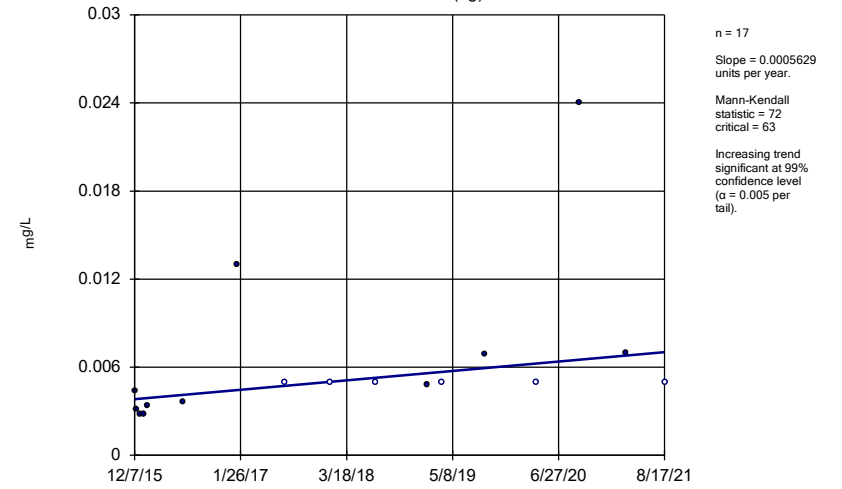


### Sen's Slope Estimator GWA-13 (bg)



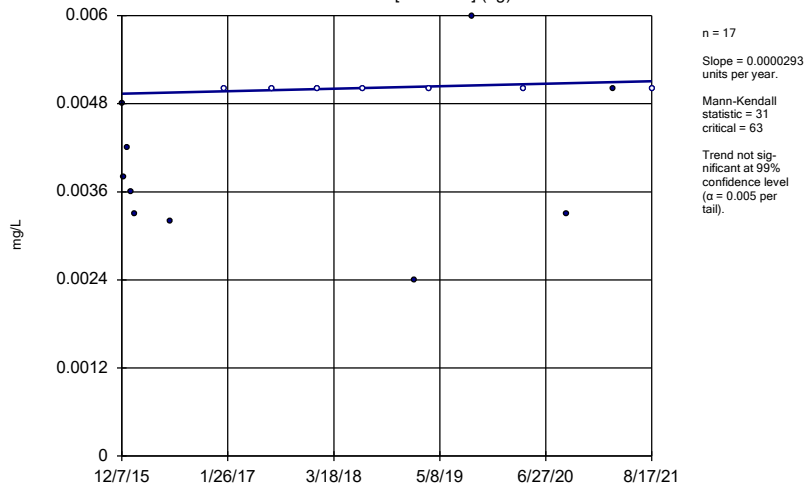
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWA-14 (bg)



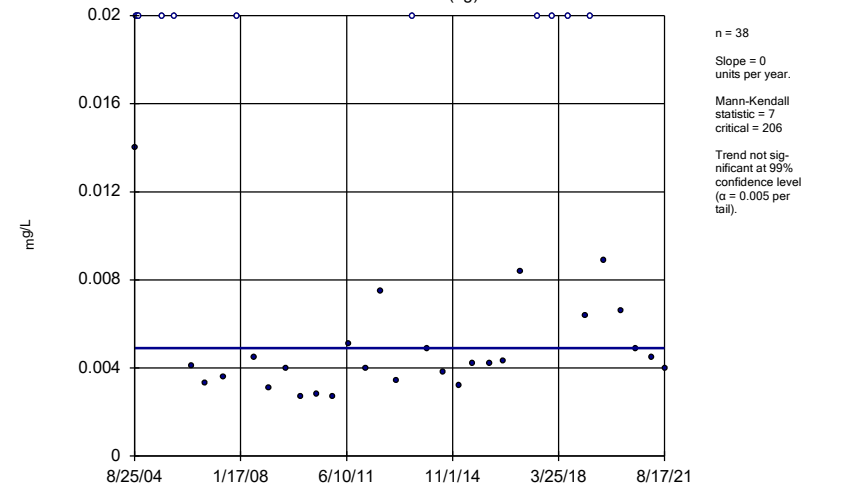
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWA-16[\*GWB-16] (bg)



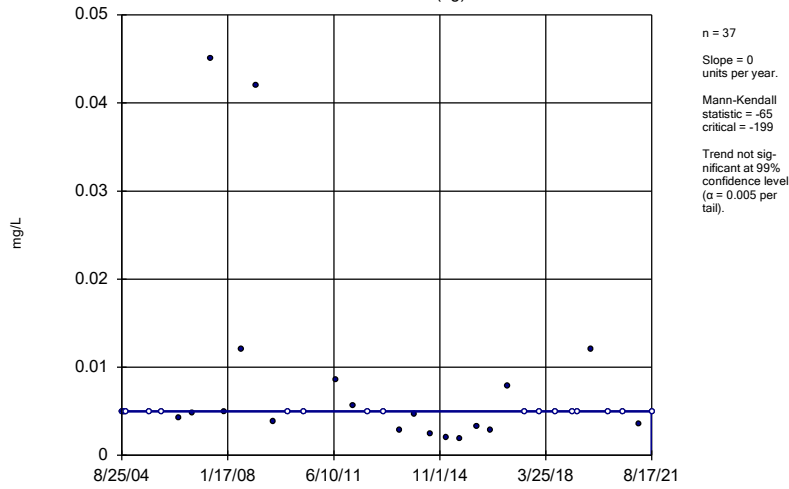
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWA-2 (bg)



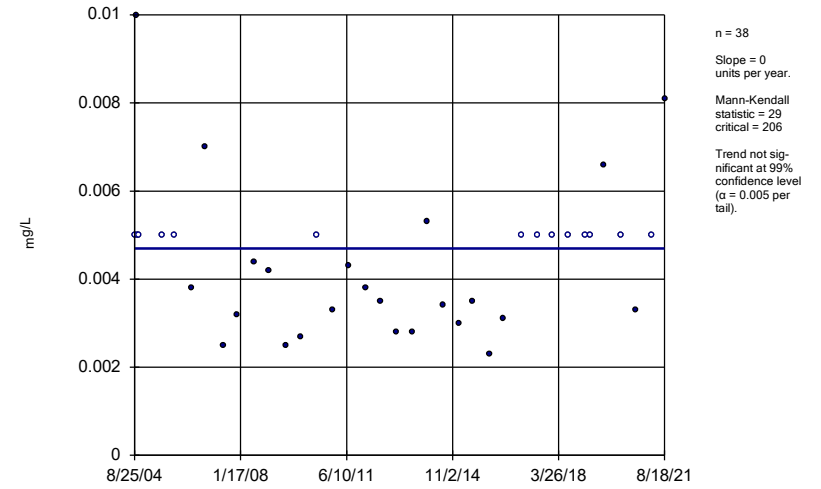
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWA-3 (bg)



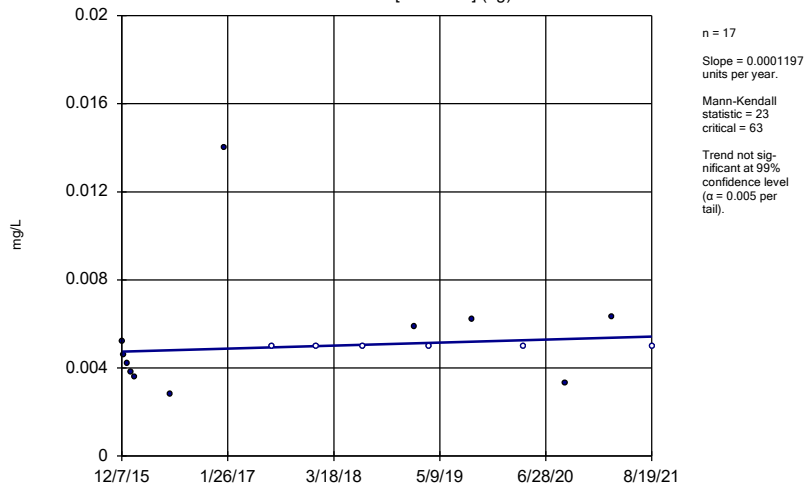
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-12



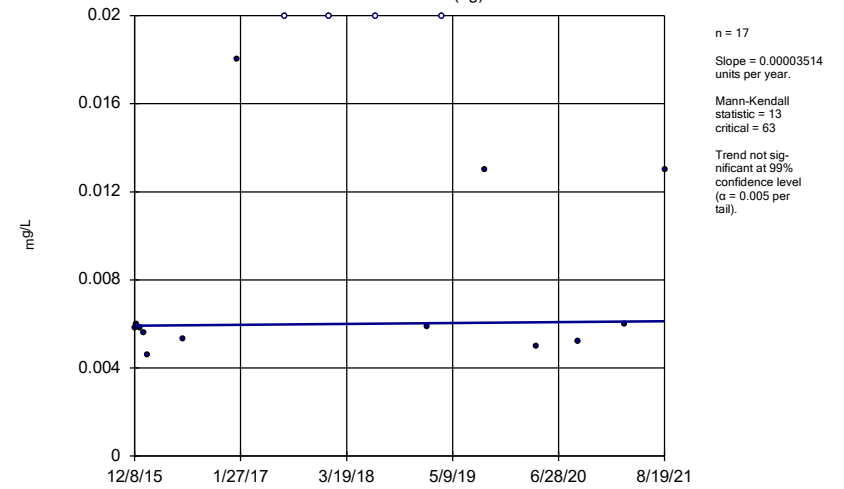
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-15\*[GWB-15] (bg)



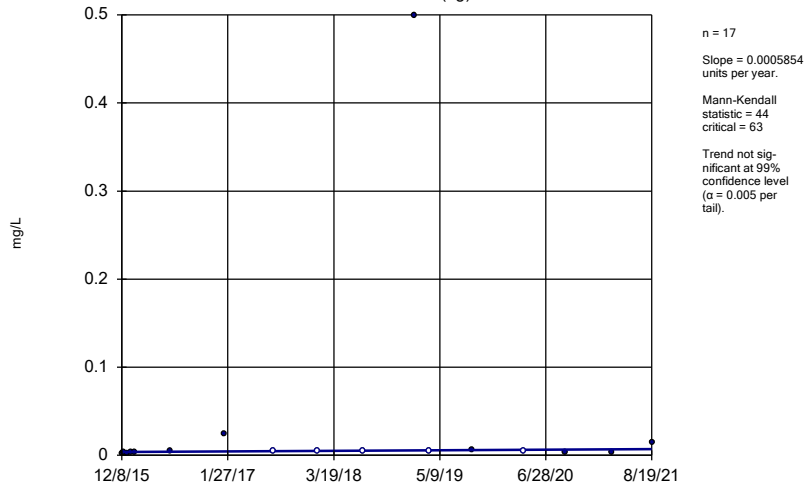
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-17 (bg)



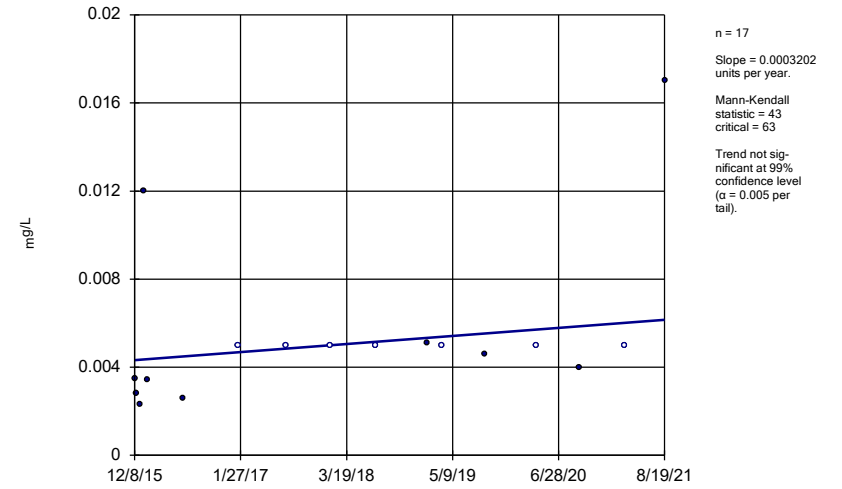
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-18 (bg)



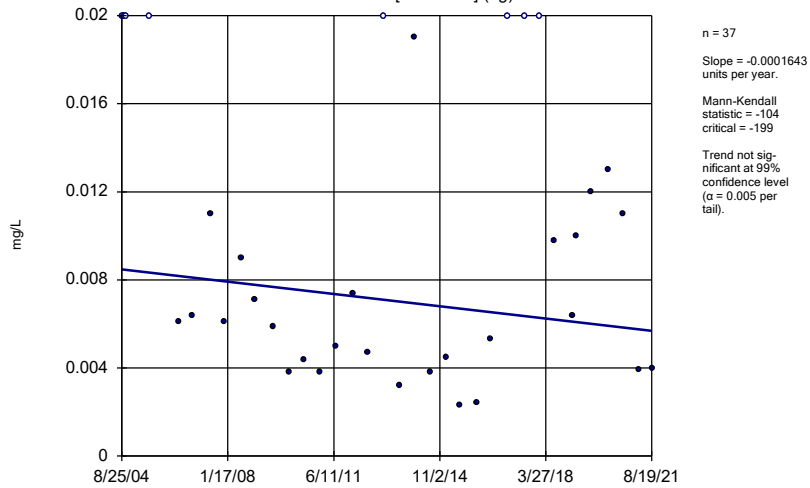
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-19



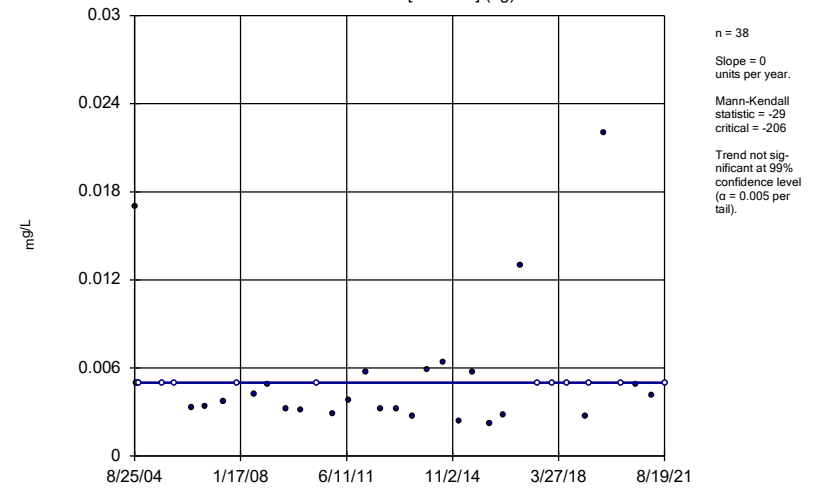
Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-4A[\*GWB-4A] (bg)



Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

### Sen's Slope Estimator GWC-5[\*GWB-5] (bg)



Constituent: Zinc Analysis Run 9/26/2021 9:48 PM View: Appendix I - Exceedances  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

FIGURE G.

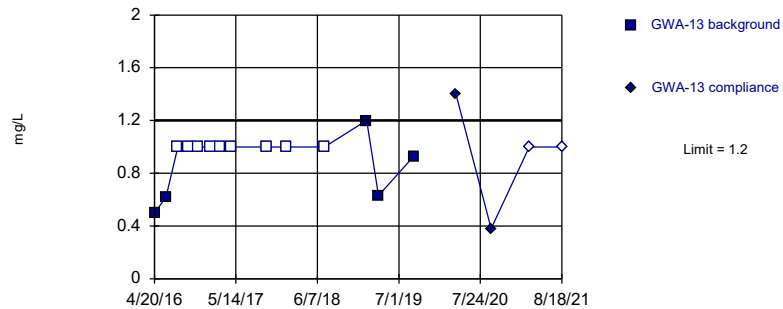
# Appendix III Intrawell Prediction Limit - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/24/2021, 2:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-13	1.2	n/a	8/18/2021	1ND	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	6.271	n/a	8/17/2021	1ND	No	14	1.129	0.2915	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16[*GWB-16]	1	n/a	8/17/2021	1ND	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.685	n/a	8/17/2021	1ND	No	14	-0.1075	0.2566	50	Kaplan-Meier	ln(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	1.256	n/a	8/17/2021	1ND	No	14	0.9022	0.1443	42.86	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.516	n/a	8/18/2021	1.2	No	14	1.462	0.4296	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	6.13	n/a	8/18/2021	3	No	14	3.559	1.048	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.226	n/a	8/18/2021	4.1	No	14	4.562	0.6784	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	8/18/2021	1ND	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-15[*GWB-15]	1.2	n/a	8/19/2021	0.8J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	2.718	n/a	8/19/2021	1ND	No	14	1.068	0.2368	35.71	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	5.927	n/a	8/19/2021	3.5	No	14	4.774	0.4701	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	3.003	n/a	8/19/2021	2.5	No	14	1.936	0.4348	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	5.519	n/a	8/19/2021	1.3	No	14	1.362	0.4024	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.925	n/a	8/19/2021	0.79J	No	14	1.103	0.3353	14.29	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	3.792	n/a	8/19/2021	1.9	No	13	2.577	0.485	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-4A[*GWB-4A]	14.53	n/a	8/19/2021	5.4	No	14	7.479	2.873	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5[*GWB-5]	1	n/a	8/19/2021	1ND	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.571	n/a	8/19/2021	1ND	No	14	1.088	0.2332	28.57	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

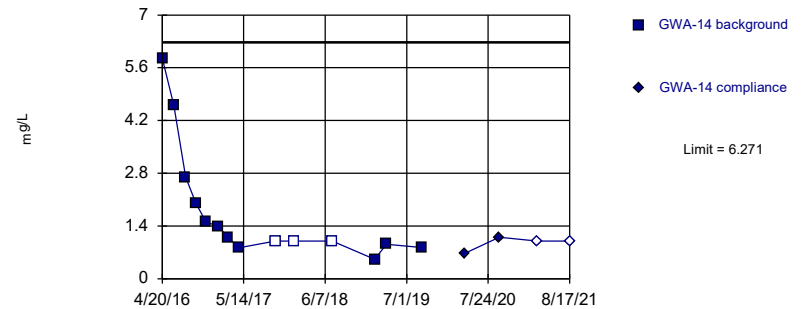


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Parametric

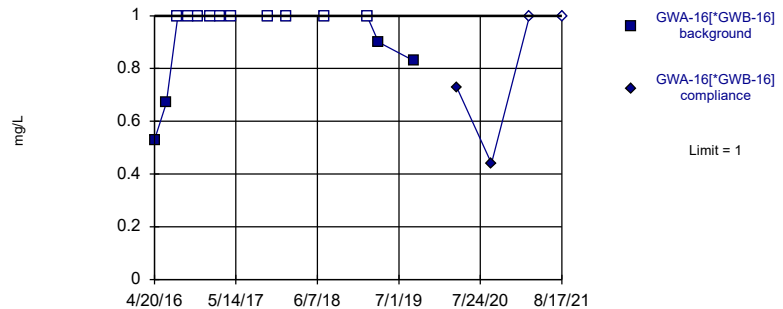


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.129, Std. Dev.=0.2915, n=14, 21.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8437, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

Prediction Limit  
Intrawell Non-parametric

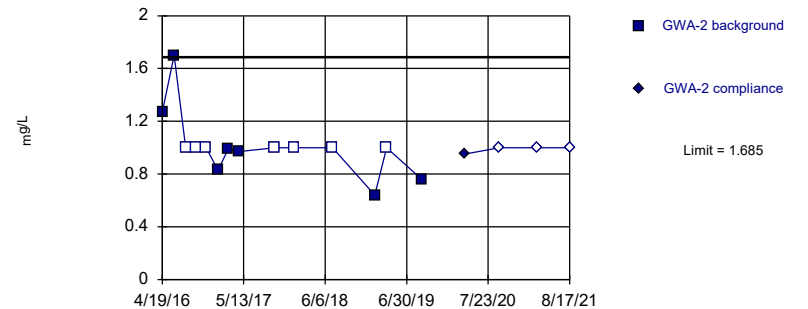


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit

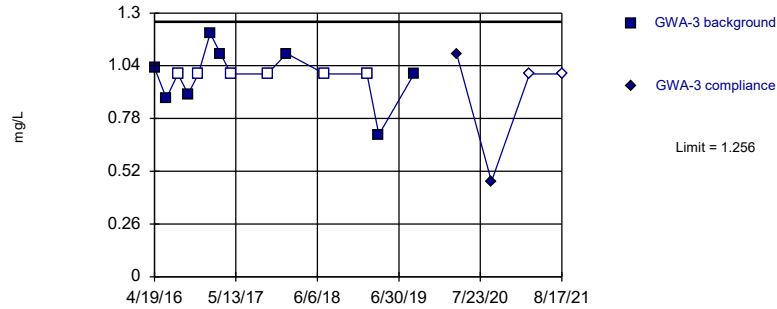
Prediction Limit  
Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-0.1075, Std. Dev.=0.2566, n=14, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8375, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

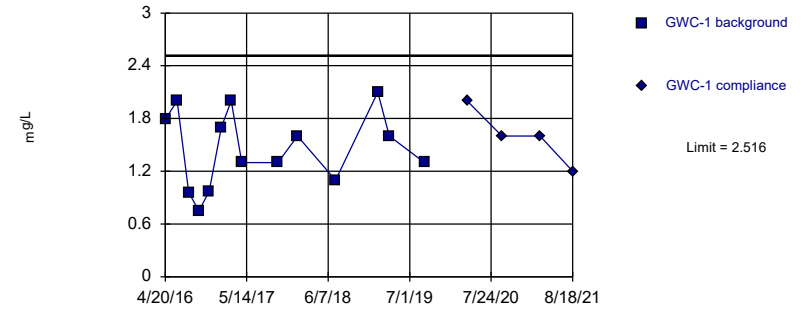
Prediction Limit  
 Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.9022, Std. Dev.=0.1443, n=14, 42.86% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8712, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

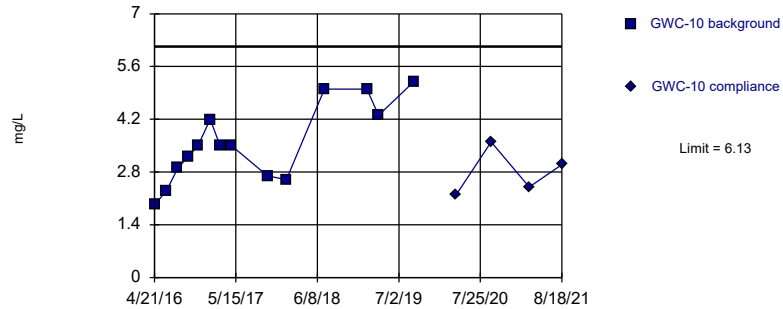
Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=1.462, Std. Dev.=0.4296, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9508, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

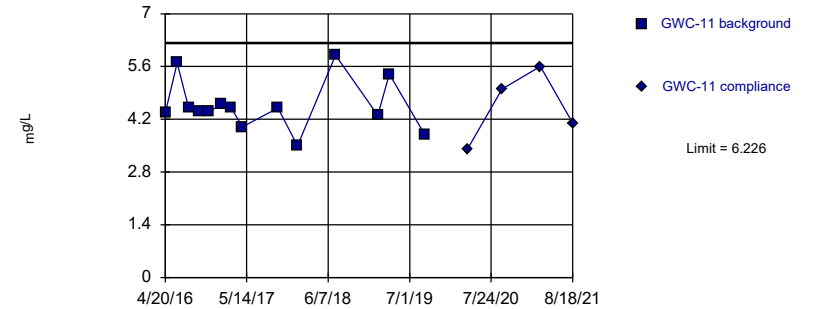
Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=3.559, Std. Dev.=1.048, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9459, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

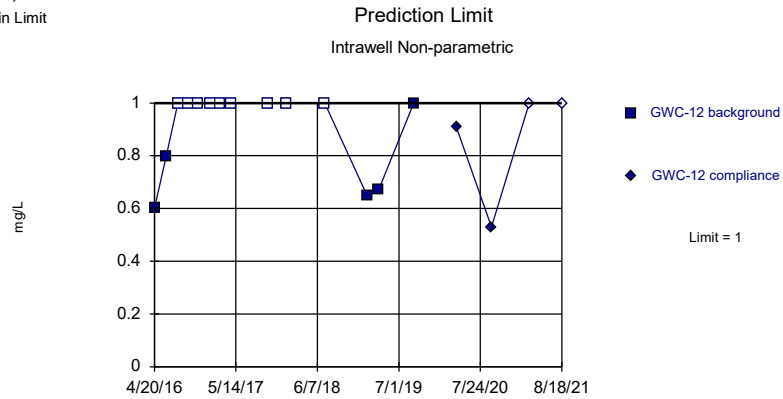
Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=4.562, Std. Dev.=0.6784, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8957, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

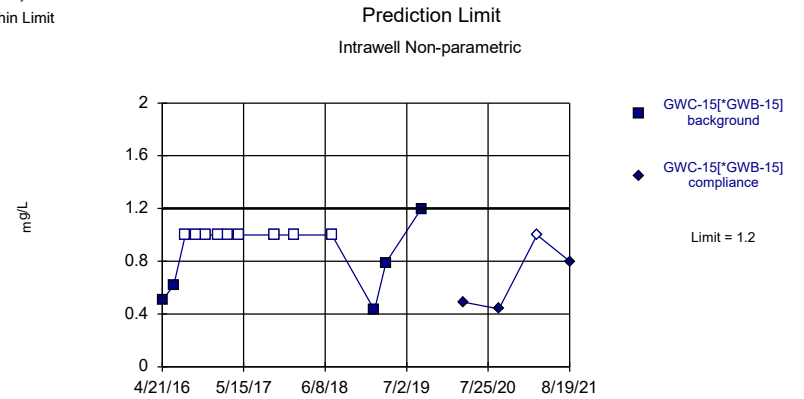
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

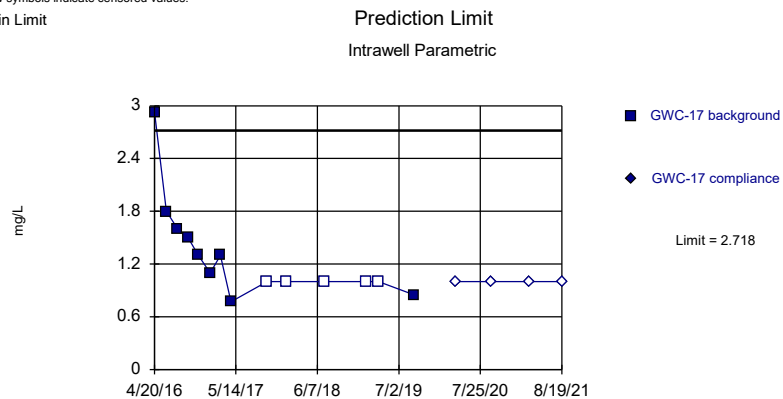
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

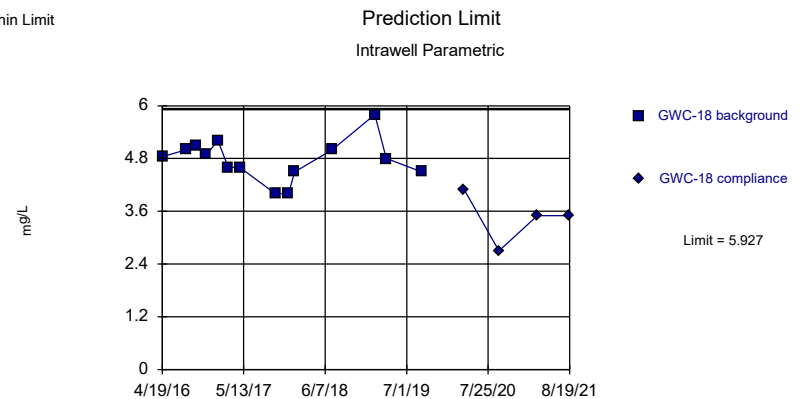
Sanitas™ v.9.6.31 . UG  
Hollow symbols indicate censored values.  
Within Limit



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=1.068, Std. Dev.=0.2368, n=14, 35.71% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8343, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.31 . UG  
Within Limit



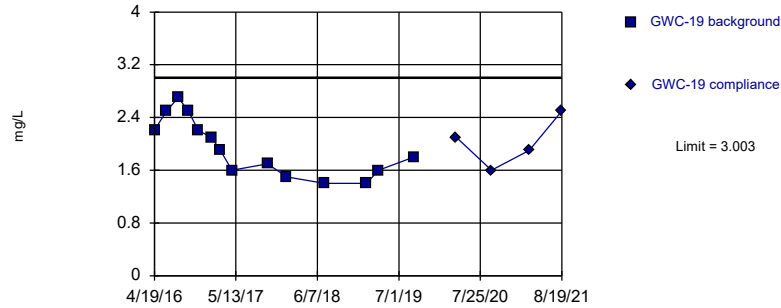
Background Data Summary: Mean=4.774, Std. Dev.=0.4701, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9518, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Within Limit

### Prediction Limit Intrawell Parametric

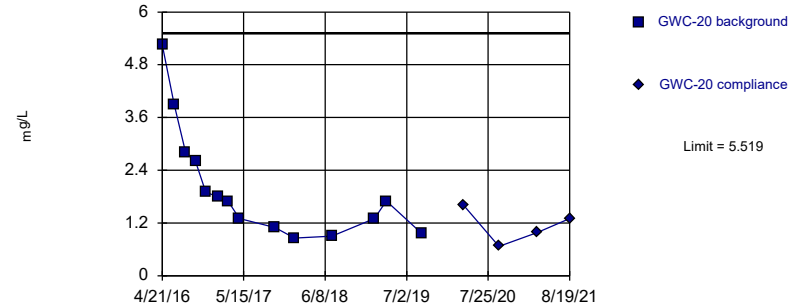


Background Data Summary: Mean=1.936, Std. Dev.=0.4348, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9271, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric



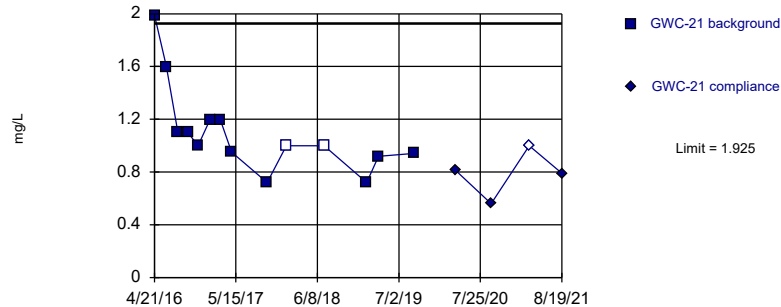
Background Data Summary (based on square root transformation): Mean=1.362, Std. Dev.=0.4024, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8941, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Parametric

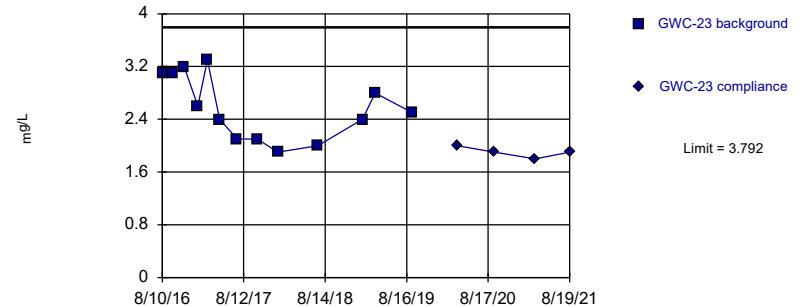


Background Data Summary: Mean=1.103, Std. Dev.=0.3353, n=14, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8287, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Intrawell Parametric

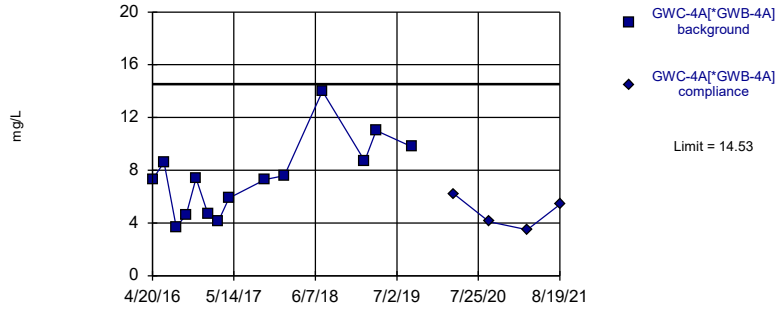


Background Data Summary: Mean=2.577, Std. Dev.=0.485, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit  
Intrawell Parametric



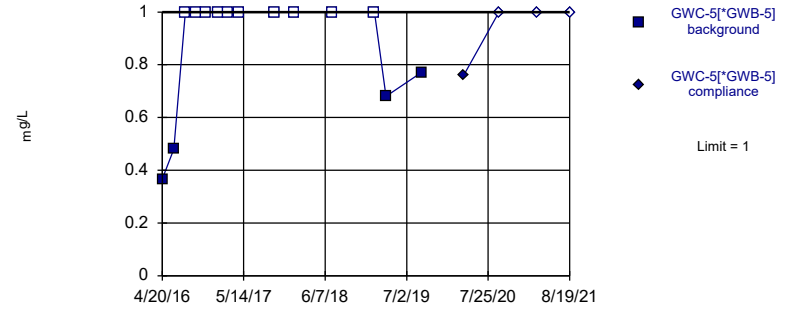
Background Data Summary: Mean=7.479, Std. Dev.=2.873, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



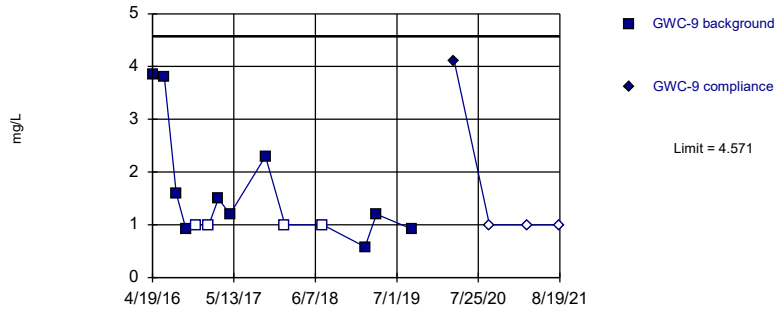
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.088, Std. Dev.=0.2332, n=14, 28.57% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.829, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 9/24/2021 2:46 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:48 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-13	GWA-13
4/20/2016	0.496 (J)	
6/14/2016	0.62 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/12/2017	<1	
2/28/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/10/2018	<1	
7/11/2018	<1	
1/29/2019	1.2	
3/26/2019	0.63	
9/10/2019	0.93 (J)	
3/31/2020		1.4
9/15/2020		0.38 (J)
3/16/2021		<1
8/18/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-14	GWA-14
4/20/2016	5.85	
6/14/2016	4.6	
8/9/2016	2.7	
9/27/2016	2	
11/15/2016	1.5	
1/11/2017	1.4	
2/28/2017	1.1	
4/20/2017	0.82 (J)	
10/11/2017	<1	
1/11/2018	<1	
7/11/2018	<1	
1/29/2019	0.52 (J)	
3/26/2019	0.92	
9/10/2019	0.83 (J)	
4/1/2020		0.67 (J)
9/15/2020		1.1
3/16/2021		<1
8/17/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-16[*GWB-16]	GWA-16[*GWB-16]
4/20/2016	0.53 (J)	
6/15/2016	0.67 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/11/2017	<1	
3/1/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/11/2018	<1	
7/11/2018	<1	
1/29/2019	<1	
3/26/2019	0.9	
9/10/2019	0.83 (J)	
4/1/2020		0.73 (J)
9/15/2020		0.44 (J)
3/16/2021		<1
8/17/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-2	GWA-2
4/19/2016	1.27	
6/14/2016	1.7	
8/9/2016	<1	
9/26/2016	<1	
11/15/2016	<1	
1/10/2017	0.83 (J)	
2/28/2017	0.99 (J)	
4/19/2017	0.97 (J)	
10/10/2017	<1	
1/10/2018	<1	
7/11/2018	<1	
1/29/2019	0.64 (J)	
3/27/2019	<1	
9/11/2019	0.76 (J)	
4/1/2020		0.95 (J)
9/15/2020		<1
3/16/2021		<1
8/17/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWA-3	GWA-3
4/19/2016	1.03	
6/14/2016	0.88 (J)	
8/9/2016	<1	
9/27/2016	0.9 (J)	
11/14/2016	<1	
1/10/2017	1.2	
2/28/2017	1.1	
4/19/2017	<1	
10/11/2017	<1	
1/10/2018	1.1	
7/11/2018	<1	
1/29/2019	<1	
3/27/2019	0.7	
9/11/2019	1	
4/1/2020		1.1
9/15/2020		0.47 (J)
3/16/2021		<1
8/17/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-1	GWC-1
4/20/2016	1.79	
6/15/2016	2	
8/10/2016	0.96 (J)	
9/27/2016	0.75 (J)	
11/15/2016	0.97 (J)	
1/12/2017	1.7	
3/1/2017	2	
4/20/2017	1.3	
10/11/2017	1.3	
1/11/2018	1.6	
7/12/2018	1.1	
1/30/2019	2.1	
3/27/2019	1.6	
9/11/2019	1.3	
4/1/2020		2
9/15/2020		1.6
3/16/2021		1.6
8/18/2021		1.2



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-10	GWC-10
4/21/2016	1.93	
6/16/2016	2.3	
8/10/2016	2.9	
9/27/2016	3.2	
11/15/2016	3.5	
1/12/2017	4.2	
3/1/2017	3.5	
4/24/2017	3.5	
10/12/2017	2.7	
1/11/2018	2.6	
7/12/2018	5	
1/30/2019	5	
3/27/2019	4.3	
9/11/2019	5.2	
4/1/2020		2.2
9/15/2020		3.6
3/16/2021		2.4
8/18/2021		3

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-11	GWC-11
4/20/2016	4.37	
6/15/2016	5.7	
8/10/2016	4.5	
9/27/2016	4.4	
11/15/2016	4.4	
1/12/2017	4.6	
3/1/2017	4.5	
4/24/2017	4	
10/11/2017	4.5	
1/11/2018	3.5	
7/12/2018	5.9	
1/30/2019	4.3	
3/27/2019	5.4	
9/11/2019	3.8	
4/2/2020		3.4
9/15/2020		5
3/17/2021		5.6
8/18/2021		4.1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-12	GWC-12
4/20/2016	0.601 (J)	
6/15/2016	0.8 (J)	
8/10/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/12/2017	<1	
3/1/2017	<1	
4/20/2017	<1	
10/12/2017	<1	
1/11/2018	<1	
7/12/2018	<1	
1/30/2019	0.65 (J)	
3/27/2019	0.67	
9/11/2019	1	
4/1/2020		0.91 (J)
9/16/2020		0.53 (J)
3/16/2021		<1
8/18/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-15[*GWB-15]	GWC-15[*GWB-15]
4/21/2016	0.503 (J)	
6/15/2016	0.62 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/11/2017	<1	
2/28/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/11/2018	<1	
7/11/2018	<1	
1/29/2019	0.43 (J)	
3/26/2019	0.79	
9/11/2019	1.2	
4/1/2020		0.49 (J)
9/15/2020		0.44 (J)
3/17/2021		<1
8/19/2021		0.8 (J)

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17	GWC-17
4/20/2016	2.93	
6/15/2016	1.8	
8/9/2016	1.6	
9/27/2016	1.5	
11/15/2016	1.3	
1/11/2017	1.1	
3/1/2017	1.3	
4/20/2017	0.77 (J)	
10/11/2017	<1	
1/11/2018	<1	
7/11/2018	<1	
1/29/2019	<1	
3/27/2019	<1	
9/11/2019	0.85 (J)	
4/1/2020		<1
9/15/2020		<1
3/16/2021		<1
8/19/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18	GWC-18
4/19/2016	4.84	
6/16/2016	9 (O)	
8/11/2016	5	
9/28/2016	5.1	
11/16/2016	4.9	
1/11/2017	5.2	
3/1/2017	4.6	
4/25/2017	4.6	
10/12/2017	4	
12/13/2017	4	
1/12/2018	4.5	
7/11/2018	5	
1/30/2019	5.8	
3/27/2019	4.8	
9/11/2019	4.5	
4/1/2020		4.1
9/15/2020		2.7
3/17/2021		3.5
8/19/2021		3.5

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-19	GWC-19
4/19/2016	2.21	
6/16/2016	2.5	
8/10/2016	2.7	
9/28/2016	2.5	
11/15/2016	2.2	
1/16/2017	2.1	
3/1/2017	1.9	
4/25/2017	1.6	
10/12/2017	1.7	
1/12/2018	1.5	
7/11/2018	1.4	
1/29/2019	1.4	
3/27/2019	1.6	
9/11/2019	1.8	
4/1/2020		2.1
9/16/2020		1.6
3/16/2021		1.9
8/19/2021		2.5

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-20	GWC-20
4/21/2016	5.25	
6/16/2016	3.9	
8/10/2016	2.8	
9/27/2016	2.6	
11/15/2016	1.9	
1/13/2017	1.8	
3/1/2017	1.7	
4/25/2017	1.3	
10/12/2017	1.1	
1/12/2018	0.86 (J)	
7/11/2018	0.9 (J)	
1/29/2019	1.3	
3/27/2019	1.7	
9/11/2019	0.97 (J)	
4/1/2020		1.6
9/15/2020		0.67 (J)
3/16/2021		0.98 (J)
8/19/2021		1.3



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-21	GWC-21
4/21/2016	1.99	
6/16/2016	1.6	
8/10/2016	1.1	
9/27/2016	1.1	
11/15/2016	1	
1/12/2017	1.2	
3/1/2017	1.2	
4/24/2017	0.95 (J)	
10/12/2017	0.72 (J)	
1/11/2018	<1	
7/11/2018	<1	
1/30/2019	0.72 (J)	
3/27/2019	0.92	
9/11/2019	0.94 (J)	
4/1/2020		0.81 (J)
9/15/2020		0.56 (J)
3/17/2021		<1
8/19/2021		0.79 (J)

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23	GWC-23
6/16/2016	9.2 (o)	
8/10/2016	3.1	
9/28/2016	3.1	
11/16/2016	3.2	
1/17/2017	2.6	
3/2/2017	3.3	
4/25/2017	2.4	
7/13/2017	2.1	
10/12/2017	2.1	
1/12/2018	1.9	
7/12/2018	2	
1/30/2019	2.4	
3/27/2019	2.8	
9/11/2019	2.5	
4/1/2020		2
9/15/2020		1.9
3/17/2021		1.8
8/19/2021		1.9

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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GWC-4A[\*GWB-4A]GWC-4A[\*GWB-4A]

4/20/2016	7.31	
6/14/2016	8.6	
8/11/2016	3.7	
9/27/2016	4.6	
11/14/2016	7.4	
1/10/2017	4.7	
2/28/2017	4.1	
4/20/2017	5.9	
10/10/2017	7.3	
1/10/2018	7.6	
7/11/2018	14	
1/29/2019	8.7	
3/26/2019	11	
9/10/2019	9.8	
3/31/2020		6.2
9/16/2020		4.1
3/17/2021		3.5
8/19/2021		5.4

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-5[*GWB-5]	GWC-5[*GWB-5]
4/20/2016	0.367 (J)	
6/14/2016	0.48 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/11/2017	<1	
2/28/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/10/2018	<1	
7/11/2018	<1	
1/29/2019	<1	
3/26/2019	0.68	
9/10/2019	0.77 (J)	
3/31/2020		0.76 (J)
9/15/2020		<1
3/17/2021		<1
8/19/2021		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/24/2021 2:49 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-9	GWC-9
4/19/2016	3.84	
6/15/2016	3.8	
8/10/2016	1.6	
9/27/2016	0.91 (J)	
11/15/2016	<1	
1/13/2017	<1	
3/1/2017	1.5	
4/24/2017	1.2	
10/12/2017	2.3	
1/12/2018	<1	
7/12/2018	<1	
1/30/2019	0.58 (J)	
3/27/2019	1.2	
9/11/2019	0.92 (J)	
4/1/2020		4.1
9/16/2020		<1
3/17/2021		<1
8/19/2021		<1

FIGURE H.

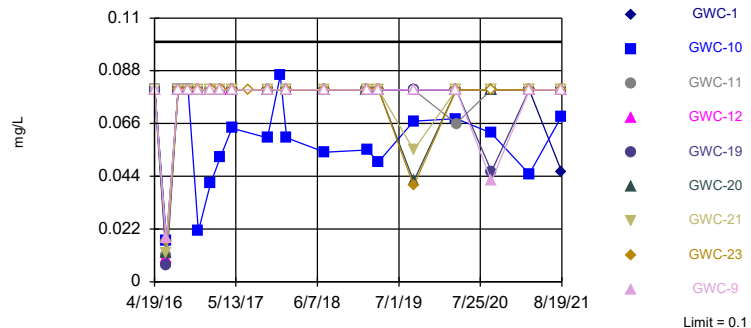
# Appendix III Interwell Prediction Limit - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 9/28/2021, 1:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.1	n/a	8/18/2021	0.046J	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.1	n/a	8/18/2021	0.069J	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.1	n/a	8/18/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.1	n/a	8/18/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.1	n/a	8/19/2021	0.08ND	No	180	n/a	n/a	88.33	n/a	n/a	0.00006055	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	8/18/2021	1.1	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	8/18/2021	23	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	8/18/2021	10	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	8/18/2021	0.75	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	8/19/2021	6.9	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	8/19/2021	1.3	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	8/19/2021	1.2	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	8/19/2021	1.1	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	8/19/2021	0.67	No	181	n/a	n/a	0	n/a	n/a	0.00005998	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	18	n/a	8/18/2021	5.3	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	18	n/a	8/18/2021	6.8	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	18	n/a	8/18/2021	5.2	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	18	n/a	8/18/2021	3.9	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	18	n/a	8/19/2021	6.7	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	18	n/a	8/19/2021	8.8	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	18	n/a	8/19/2021	6.7	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	18	n/a	8/19/2021	6	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	18	n/a	8/19/2021	7.9	No	180	n/a	n/a	0	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.74	n/a	8/18/2021	0.1ND	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	8/18/2021	0.081J	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	8/18/2021	0.35	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	8/18/2021	0.1ND	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	8/19/2021	0.11	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	8/19/2021	0.044J	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	8/19/2021	0.1ND	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	8/19/2021	0.1ND	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	8/19/2021	0.064J	No	181	n/a	n/a	62.43	n/a	n/a	0.00005998	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	8/18/2021	4.89	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-10	7.1	4.21	8/18/2021	6.32	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-11	7.1	4.21	8/18/2021	6.54	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-12	7.1	4.21	8/18/2021	5.01	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-19	7.1	4.21	8/19/2021	5.69	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-20	7.1	4.21	8/19/2021	4.91	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-21	7.1	4.21	8/19/2021	4.81	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-23	7.1	4.21	8/19/2021	5.16	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
pH (S.U.)	GWC-9	7.1	4.21	8/19/2021	4.89	No	200	n/a	n/a	0	n/a	n/a	0.00009831	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-1	150	n/a	8/18/2021	33	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	8/18/2021	140	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	8/18/2021	97	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	8/18/2021	20	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	8/19/2021	57	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	8/19/2021	40	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	8/19/2021	32	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	8/19/2021	32	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	8/19/2021	37	No	180	n/a	n/a	11.11	n/a	n/a	0.00006055	NP Inter (normality) 1 of 2

Within Limit

### Prediction Limit Interwell Non-parametric

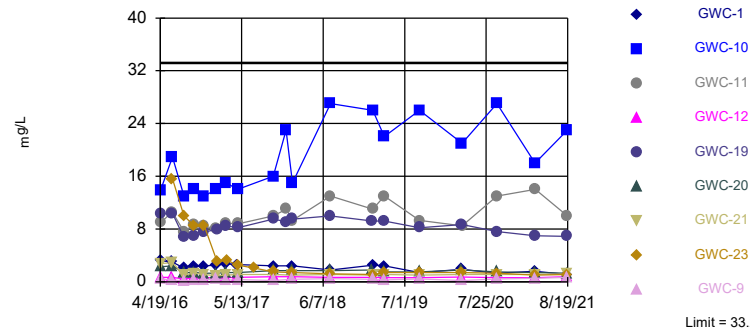


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 180 background values. 88.33% NDs. Annual per-constituent alpha = 0.001089. Individual comparison alpha = 0.00006055 (1 of 2). Comparing 9 points to limit.

Constituent: Boron Analysis Run 9/28/2021 1:18 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Interwell Non-parametric

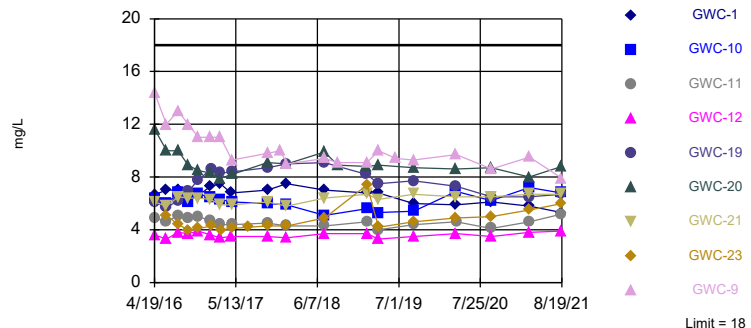


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 181 background values. Annual per-constituent alpha = 0.001079. Individual comparison alpha = 0.00005998 (1 of 2). Comparing 9 points to limit.

Constituent: Calcium Analysis Run 9/28/2021 1:18 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Interwell Non-parametric

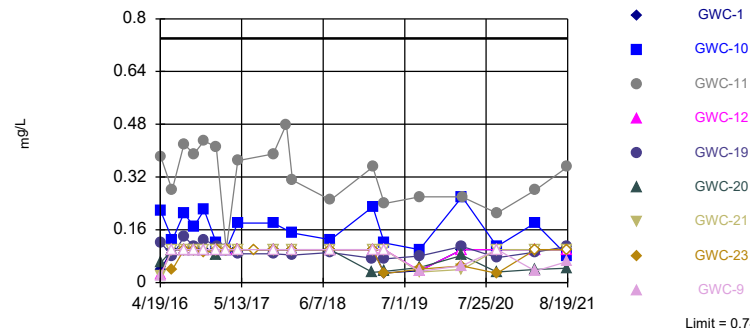


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 180 background values. Annual per-constituent alpha = 0.001089. Individual comparison alpha = 0.00006055 (1 of 2). Comparing 9 points to limit.

Constituent: Chloride Analysis Run 9/28/2021 1:18 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

### Prediction Limit Interwell Non-parametric



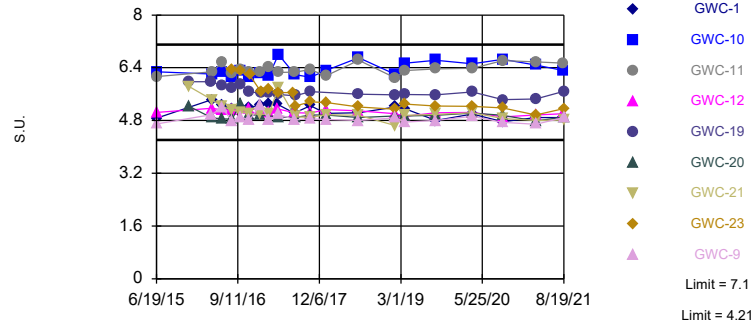
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 181 background values. 62.43% NDs. Annual per-constituent alpha = 0.001079. Individual comparison alpha = 0.00005998 (1 of 2). Comparing 9 points to limit.

Constituent: Fluoride Analysis Run 9/28/2021 1:18 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR



Within Limits

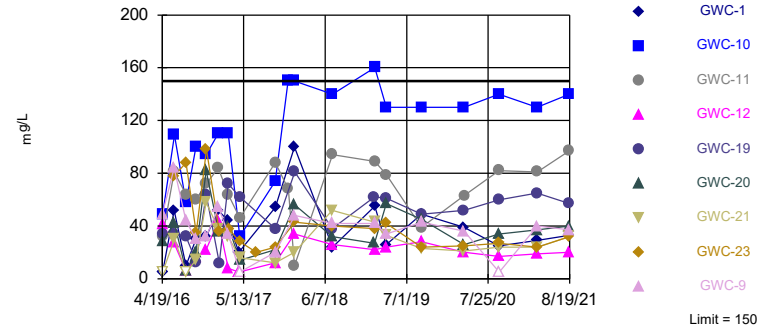
Prediction Limit  
Interwell Non-parametric



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 200 background values. Annual per-constituent alpha = 0.001769. Individual comparison alpha = 0.00009831 (1 of 2). Comparing 9 points to limit.

Constituent: pH Analysis Run 9/28/2021 1:18 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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 180 background values. 11.11% NDs. Annual per-constituent alpha = 0.001089. Individual comparison alpha = 0.00006055 (1 of 2). Comparing 9 points to limit.

Constituent: Total Dissolved Solids Analysis Run 9/28/2021 1:18 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWC-9	GWA-13 (bg)	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWC-4A[*GWB-4...
4/19/2016	<0.08	<0.08	<0.08	<0.08	<0.08				
4/20/2016						<0.08	<0.08	<0.08	<0.08
4/21/2016									
6/14/2016		0.012 (J)		0.0077 (J)		0.0086 (J)	0.011 (J)		0.01 (J)
6/15/2016					0.018 (J)			0.0085 (J)	
6/16/2016	0.011 (J)		0.0069 (J)						
8/9/2016		<0.08		<0.08		<0.08	<0.08	<0.08	
8/10/2016			<0.08		<0.08				
8/11/2016	<0.08								<0.08
9/26/2016		<0.08							
9/27/2016				<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/28/2016	<0.08		<0.08						
11/14/2016				<0.08					<0.08
11/15/2016		<0.08	<0.08		<0.08	<0.08	<0.08	<0.08	
11/16/2016	<0.08								
1/10/2017		<0.08		<0.08					<0.08
1/11/2017	<0.08						<0.08	<0.08	
1/12/2017						<0.08			
1/13/2017					<0.08				
1/16/2017			<0.08						
1/17/2017									
2/28/2017		0.022 (J)		<0.08		<0.08	<0.08		<0.08
3/1/2017	<0.08		<0.08		<0.08			<0.08	
3/2/2017									
4/19/2017		<0.08		<0.08					
4/20/2017						<0.08	<0.08	<0.08	<0.08
4/24/2017					<0.08				
4/25/2017	<0.08		<0.08						
7/13/2017									
10/10/2017		<0.08							<0.08
10/11/2017				<0.08		<0.08	<0.08	<0.08	
10/12/2017	<0.08		<0.08		<0.08				
12/12/2017									
1/10/2018		<0.08		<0.08		<0.08	<0.08		<0.08
1/11/2018								<0.08	
1/12/2018	<0.08		<0.08		<0.08				
7/11/2018	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08
7/12/2018					<0.08				
1/29/2019		<0.08	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08
1/30/2019	<0.08				<0.08				
3/26/2019						<0.08	<0.08	<0.08	<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08				
9/10/2019						0.061 (J)	<0.08	<0.08	0.052 (J)
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08				
3/31/2020						<0.08	<0.08		<0.08
4/1/2020	<0.08	0.042 (J)	<0.08	<0.08	<0.08			<0.08	
4/2/2020									
9/15/2020	<0.08	<0.08		0.061 (J)		<0.08	0.047 (J)	<0.08	
9/16/2020			0.046 (J)		0.042 (J)				0.056 (J)
3/16/2021		<0.08	<0.08	<0.08		<0.08		<0.08	
3/17/2021	<0.08				<0.08		<0.08		<0.08
8/17/2021		0.069 (J)		<0.08				0.061 (J)	

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWC-9	GWA-13 (bg)	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWC-4A[*GWB-4...
8/18/2021						0.044 (J)			
8/19/2021	<0.08		<0.08		<0.08		<0.08		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-11	GWC-17 (bg)	GWC-12	GWA-14 (bg)	GWC-20	GWC-10	GWC-21	GWC-15[*GWB-1...
4/19/2016									
4/20/2016	<0.08	<0.08	<0.08	<0.08	<0.08				
4/21/2016						<0.08	<0.08	<0.08	<0.08
6/14/2016					0.0098 (J)				
6/15/2016	0.017 (J)	0.011 (J)	0.0095 (J)	0.01 (J)					0.0095 (J)
6/16/2016						0.012 (J)	0.017 (J)	0.012 (J)	
8/9/2016			<0.08		<0.08				<0.08
8/10/2016	<0.08	<0.08		<0.08		<0.08	<0.08	<0.08	
8/11/2016									
9/26/2016									
9/27/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/28/2016									
11/14/2016									
11/15/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.021 (J)	<0.08	<0.08
11/16/2016									
1/10/2017									
1/11/2017			<0.08		<0.08				<0.08
1/12/2017	<0.08	<0.08		<0.08			0.041 (J)	<0.08	
1/13/2017						<0.08			
1/16/2017									
1/17/2017									
2/28/2017					<0.08				<0.08
3/1/2017	<0.08	<0.08	<0.08	<0.08		<0.08	0.052	<0.08	
3/2/2017									
4/19/2017									
4/20/2017	<0.08		<0.08	<0.08	<0.08				<0.08
4/24/2017		<0.08					0.064	<0.08	
4/25/2017						<0.08			
7/13/2017									
10/10/2017									
10/11/2017	<0.08	<0.08	<0.08		<0.08				<0.08
10/12/2017				<0.08		<0.08	0.06	<0.08	
12/12/2017							0.086		
1/10/2018									
1/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08		0.06	<0.08	<0.08
1/12/2018						<0.08			
7/11/2018			<0.08		<0.08	<0.08		<0.08	<0.08
7/12/2018	<0.08	<0.08		<0.08			0.054		
1/29/2019			<0.08		<0.08	<0.08			<0.08
1/30/2019	<0.08	<0.08		<0.08			0.055	<0.08	
3/26/2019					<0.08				<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08		<0.08	0.05	<0.08	
9/10/2019					<0.08				
9/11/2019	<0.08	<0.08	<0.08	<0.08		0.042 (J)	0.067 (J)	0.055 (J)	<0.08
3/31/2020									
4/1/2020	<0.08		<0.08	<0.08	<0.08	<0.08	0.068 (J)	<0.08	<0.08
4/2/2020		0.066 (J)							
9/15/2020	<0.08	<0.08	<0.08		<0.08	<0.08	0.062 (J)	<0.08	<0.08
9/16/2020				<0.08					
3/16/2021	<0.08		<0.08	<0.08	<0.08	<0.08	0.045 (J)		
3/17/2021		<0.08						<0.08	<0.08
8/17/2021					0.1				

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-1	GWC-11	GWC-17 (bg)	GWC-12	GWA-14 (bg)	GWC-20	GWC-10	GWC-21	GWC-15[*GWB-1...
8/18/2021	0.046 (J)	<0.08		<0.08			0.069 (J)		
8/19/2021			<0.08			<0.08		<0.08	<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	0.017 (J)
8/9/2016	
8/10/2016	<0.08
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	<0.08
11/14/2016	
11/15/2016	
11/16/2016	<0.08
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	<0.08
2/28/2017	
3/1/2017	
3/2/2017	<0.08
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	<0.08
7/13/2017	<0.08
10/10/2017	
10/11/2017	
10/12/2017	<0.08
12/12/2017	
1/10/2018	
1/11/2018	
1/12/2018	<0.08
7/11/2018	
7/12/2018	<0.08
1/29/2019	
1/30/2019	<0.08
3/26/2019	
3/27/2019	<0.08
9/10/2019	
9/11/2019	0.04 (J)
3/31/2020	
4/1/2020	<0.08
4/2/2020	
9/15/2020	<0.08
9/16/2020	
3/16/2021	
3/17/2021	<0.08
8/17/2021	

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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GWC-23

8/18/2021

8/19/2021 <0.08

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWC-9	GWA-13 (bg)	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWC-4A[*GWB-4...
4/19/2016	26	0.485 (J)	10.3	1.13	0.431 (J)				
4/20/2016						0.389 (J)	4.39	0.472 (J)	1.12
4/21/2016									
6/14/2016		0.72		1		0.37 (J)	2.4		1.1
6/15/2016					0.27 (J)			0.42 (J)	
6/16/2016	33.2		10.4						
8/9/2016		0.24 (J)		0.71		0.14 (J)	2	0.19	
8/10/2016			6.7		0.13 (J)				
8/11/2016	18								1.9
9/26/2016		0.48							
9/27/2016				0.77	0.21 (J)	0.33	2.9	0.39	3.4
9/28/2016	17		6.9						
11/14/2016				0.75					3.1
11/15/2016		0.54	7.5		0.27	0.28	2.5	0.39	
11/16/2016	17								
1/10/2017		0.62		0.73					1.5
1/11/2017	15						2.5	0.36	
1/12/2017						0.37			
1/13/2017					0.41				
1/16/2017			8						
1/17/2017									
2/28/2017		0.91		0.76		0.26	2.7		1.1
3/1/2017	16		8.5		0.25			0.38	
3/2/2017									
4/19/2017		0.75		0.69					
4/20/2017						0.27	2.8	0.41	0.98
4/24/2017					0.34				
4/25/2017	17		8.2						
7/13/2017									
10/10/2017		0.54							0.8
10/11/2017				0.73		0.3	3.3	0.4	
10/12/2017	14		9.5		0.21 (J)				
12/12/2017			9.1						
12/13/2017	12								
1/10/2018		0.52		0.88		0.27	3.3		0.82
1/11/2018								0.43	
1/12/2018	15		9.5		0.4				
7/11/2018	12	0.5	10	0.81		0.32	3	0.45	1
7/12/2018					0.49				
1/29/2019		0.53	9.2	0.85		0.33	3.3	0.41	0.83
1/30/2019	14				0.38 (J)				
3/26/2019						0.3	2.8	0.37	0.53
3/27/2019	11	0.37	9.2	0.73	0.28				
9/10/2019						0.37 (J)	2.3	0.41 (J)	0.64
9/11/2019	13	0.43 (J)	8.2	0.76	0.44 (J)				
3/31/2020						0.42 (J)	2.9		0.8
4/1/2020	11	0.47 (J)	8.7	0.72	0.2 (J)			0.43 (J)	
4/2/2020									
9/15/2020	10	0.42 (J)		0.84		0.32 (J)	2.2	0.42 (J)	
9/16/2020			7.6		0.45 (J)				0.43 (J)
3/16/2021		0.4 (J)	7	0.75		0.4 (J)		0.48 (J)	
3/17/2021	9.1				0.51		2.4		0.33 (J)



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWC-9	GWA-13 (bg)	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWC-4A[*GWB-4...
8/17/2021		0.4 (J)		0.81				0.46 (J)	
8/18/2021						0.51			
8/19/2021	9.3		6.9		0.67		2.4		0.3 (J)



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-1	GWC-11	GWC-17 (bg)	GWC-12	GWA-14 (bg) 0.47 (J)	GWC-20	GWC-10	GWC-21	GWC-15[*]GWB-1...
8/17/2021									
8/18/2021	1.1	10		0.75			23		
8/19/2021			2.2			1.3		1.2	0.49 (J)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	15.6
8/9/2016	
8/10/2016	10
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	8.5
11/14/2016	
11/15/2016	
11/16/2016	8.4
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	3
2/28/2017	
3/1/2017	
3/2/2017	3.3
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	2.5
7/13/2017	2.1
10/10/2017	
10/11/2017	
10/12/2017	1.5
12/12/2017	
12/13/2017	
1/10/2018	
1/11/2018	
1/12/2018	1.4
7/11/2018	
7/12/2018	1.2
1/29/2019	
1/30/2019	1.1 (J)
3/26/2019	
3/27/2019	1.4
9/10/2019	
9/11/2019	1.4
3/31/2020	
4/1/2020	1.4
4/2/2020	
9/15/2020	1.3
9/16/2020	
3/16/2021	
3/17/2021	0.99

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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GWC-23

8/17/2021

8/18/2021

8/19/2021 1.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWC-17 (bg)	GWC-12	GWC-11	GWC-1
4/19/2016	5.03	6.1	9.4	5.01	14.4				
4/20/2016						4.25	3.61	4.9	6.68
4/21/2016									
6/14/2016			8.3	5					
6/15/2016					12	4.1	3.3	4.6	7
6/16/2016	4.7	5.7							
8/9/2016			8.6	5.1		4.5			
8/10/2016		6.2			13		3.8	5.1	7
8/11/2016	5.3								
9/26/2016				5.1					
9/27/2016			6.3		12	4.4	3.7	4.9	6.4
9/28/2016	5.1	6.9							
11/14/2016			6.1						
11/15/2016		7.8		5.2	11	4.5	3.9	5	6.6
11/16/2016	5.2								
1/10/2017			6.1	4.9					
1/11/2017	5					4.2			
1/12/2017							3.6	4.7	7.3
1/13/2017					11				
1/16/2017		8.6							
1/17/2017									
2/28/2017			6.2	4.7					
3/1/2017	4.6	8.3			11	3.9	3.4	4.4	7.5
3/2/2017									
4/19/2017			5	4.4					
4/20/2017						4	3.5		6.8
4/24/2017					9.3			4.4	
4/25/2017	4.6	8.4							
7/13/2017									
10/10/2017				4.7					
10/11/2017			4.1			4.1		4.5	7
10/12/2017	4.6	8.7			9.8		3.5		
12/12/2017					10				
1/10/2018			4.2	4.6					
1/11/2018						4.1	3.4	4.3	7.5
1/12/2018	4.5	9			9				
7/11/2018	4.9	9.1	4.3	5		4.4			
7/12/2018					9.4		3.7	4.3	7
9/13/2018					9.1				
1/29/2019		8.2	4	5		4.5			
1/30/2019	4.8				9.1		3.7	4.6	6.8
3/26/2019									
3/27/2019	4.3	7.5	3.5	4.5	10	4.1	3.3	4	6.8
6/17/2019					9.4				
9/10/2019									
9/11/2019	4.5	7.7	3.5	4.8	9.3	4.3	3.5	4.4	6
3/31/2020									
4/1/2020	4.7	7.3	3.7	4.9	9.7	4.6	3.7		5.9
4/2/2020								4.6	
9/15/2020	4.4		3.4	4.9		4.3		4.1	6.1
9/16/2020		6.5			8.6		3.5		
3/16/2021		6.5	3.6	4.9		4.9	3.8		5.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWC-17 (bg)	GWC-12	GWC-11	GWC-1
3/17/2021	4.7				9.5			4.6	
8/17/2021			3.5	5.4					
8/18/2021							3.9	5.2	5.3
8/19/2021	5.1	6.7			7.9	4.8			

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)	GWC-21	GWC-20	GWC-15[*GWB-1...	GWC-10
4/19/2016									
4/20/2016	2.93	3.69	3.92	4.55	3.49				
4/21/2016						6.08	11.6	3.99	6.41
6/14/2016	2.9	3.5		4.3	3.4				
6/15/2016			3.8					3.5	
6/16/2016						5.8	10		6
8/9/2016		3.7	4	4.5	3.7			4	
8/10/2016						6.5	10		6.8
8/11/2016	3.6								
9/26/2016									
9/27/2016	3.4	3.6	3.9	4.4	3.8	6.4	8.9	3.9	6.1
9/28/2016									
11/14/2016	4.2								
11/15/2016		3.7	4	4.5	3.8	6.4	8.5	4	6.7
11/16/2016									
1/10/2017	3.6								
1/11/2017		3.5	3.7	4.3				3.8	
1/12/2017					3.5	6.3			6.5
1/13/2017							8.3		
1/16/2017									
1/17/2017									
2/28/2017	3.3	3.3		4	3.6			3.5	
3/1/2017			3.5			5.9	7.9		6.3
3/2/2017									
4/19/2017									
4/20/2017	3.5	3.3	3.6	4	3.4			3.3	
4/24/2017						5.9			6.1
4/25/2017							8.2		
7/13/2017									
10/10/2017	3.9								
10/11/2017		3.2	3.5	4	3.4			3.5	
10/12/2017						6.1	9.1		6
12/12/2017									
1/10/2018	3.3	3.2			3.4				
1/11/2018			3.4	3.9		5.8		3.4	5.9
1/12/2018							9		
7/11/2018	3.2	3.5	3.7	4.2	3.4	6.4	9.9	3.8	
7/12/2018									5.1
9/13/2018							8.9		
1/29/2019	3.4	3.6	3.8	4	3.6		8.8	3.7	
1/30/2019						6.7			5.6
3/26/2019	3.7	3.6	3.6	4.1	3.5			3.8	
3/27/2019						6.3	8.9		5.3
6/17/2019									
9/10/2019	3.6	3.5	3.7	4	3.3				
9/11/2019						6.7	8.7	3.7	5.4
3/31/2020	4.9	4.1			3.7				
4/1/2020			3.8	4.2		6.5	8.6	3.8	6.9
4/2/2020									
9/15/2020		18	3.7	4.3	3.5	6.5	8.7	3.6	6.2
9/16/2020	3.5								
3/16/2021			4.1	4.1	4		8		7.2



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)	GWC-21	GWC-20	GWC-15[*GWB-1...	GWC-10
3/17/2021	4.5	4.2				6.7		4	
8/17/2021			4	4.3					
8/18/2021					4.1				6.8
8/19/2021	3.5	4.3				6.7	8.8	4.3	

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	5.1
8/9/2016	
8/10/2016	4.4
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	4
11/14/2016	
11/15/2016	
11/16/2016	4.1
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	4.3
2/28/2017	
3/1/2017	
3/2/2017	4
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	4.1
7/13/2017	4.2
10/10/2017	
10/11/2017	
10/12/2017	4.3
12/12/2017	
1/10/2018	
1/11/2018	
1/12/2018	4.3
7/11/2018	
7/12/2018	4.9
9/13/2018	
1/29/2019	
1/30/2019	7.4
3/26/2019	
3/27/2019	4.2
6/17/2019	
9/10/2019	
9/11/2019	4.6
3/31/2020	
4/1/2020	4.9
4/2/2020	
9/15/2020	5
9/16/2020	
3/16/2021	

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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GWC-23

3/17/2021	5.5
8/17/2021	
8/18/2021	
8/19/2021	6

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWC-9	GWA-13 (bg)	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWC-4A[*GWB-4...
4/19/2016	0.706	0.03 (J)	0.122 (J)	0.022 (J)	0.02 (J)				
4/20/2016						0.018 (J)	0.032 (J)	0.022 (J)	0.028 (J)
4/21/2016									
6/14/2016		0.02 (J)		<0.1		<0.1	<0.1		<0.1
6/15/2016					<0.1			<0.1	
6/16/2016	0.56		0.08 (J)						
8/9/2016		<0.1		<0.1		<0.1	<0.1	<0.1	
8/10/2016			0.14 (J)		<0.1				
8/11/2016	0.74								<0.1
9/26/2016		<0.1							
9/27/2016				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
9/28/2016	0.7		0.11 (J)						
11/14/2016				<0.1					<0.1
11/15/2016		<0.1	0.13 (J)		<0.1	<0.1	<0.1	<0.1	
11/16/2016	0.71								
1/10/2017		<0.1		<0.1					<0.1
1/11/2017	0.51						<0.1	<0.1	
1/12/2017						<0.1			
1/13/2017					<0.1				
1/16/2017			0.11 (J)						
1/17/2017									
2/28/2017		<0.1		<0.1		<0.1	<0.1		<0.1
3/1/2017	0.61		<0.1		<0.1			<0.1	
3/2/2017									
4/19/2017		<0.1		<0.1					
4/20/2017						<0.1	<0.1	<0.1	<0.1
4/24/2017					<0.1				
4/25/2017	0.65		0.087 (J)						
7/13/2017									
10/10/2017		<0.1							<0.1
10/11/2017				<0.1		<0.1	<0.1	<0.1	
10/12/2017	0.6		0.087 (J)		<0.1				
12/13/2017	0.61								
1/10/2018		<0.1		<0.1		<0.1	<0.1		<0.1
1/11/2018								<0.1	
1/12/2018	0.55		0.083 (J)		<0.1				
7/11/2018	0.59	<0.1	0.091 (J)	<0.1		<0.1	<0.1	<0.1	<0.1
7/12/2018					<0.1				
1/29/2019		<0.1	0.074 (J)	<0.1		<0.1	<0.1	<0.1	<0.1
1/30/2019	0.65				<0.1				
3/26/2019						<0.1	0.028	<0.1	<0.1
3/27/2019	0.49	<0.1	0.072	<0.1	<0.1				
9/10/2019						0.034 (J)	0.037 (J)	0.035 (J)	0.044 (J)
9/11/2019	0.47	0.037 (J)	0.08 (J)	0.033 (J)	0.034 (J)				
3/31/2020						0.046 (J)	0.061 (J)		0.043 (J)
4/1/2020	0.59	<0.1	0.11	<0.1	0.051 (J)			<0.1	
4/2/2020									
9/15/2020	0.49	0.029 (J)		<0.1		<0.1	<0.1	<0.1	
9/16/2020			0.076 (J)		<0.1				<0.1
3/16/2021		0.033 (J)	0.092 (J)	<0.1		<0.1		<0.1	
3/17/2021	0.54				0.035 (J)		0.026 (J)		<0.1
8/17/2021		0.073 (J)		0.043 (J)				0.072 (J)	

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWC-9	GWA-13 (bg)	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWC-4A[*GWB-4...
8/18/2021						<0.1			
8/19/2021	0.62		0.11		0.064 (J)		0.035 (J)		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-11	GWC-17 (bg)	GWC-12	GWA-14 (bg)	GWC-20	GWC-10	GWC-21	GWC-15[*GWB-1...
4/19/2016									
4/20/2016	0.04 (J)	0.383	0.147 (J)	0.026 (J)	0.021 (J)				
4/21/2016						0.06 (J)	0.217 (J)	0.022 (J)	0.019 (J)
6/14/2016					<0.1				
6/15/2016	<0.1	0.28 (J)	0.1 (J)	<0.1					<0.1
6/16/2016						<0.1	0.13 (J)	<0.1	
8/9/2016			0.16 (J)		<0.1				<0.1
8/10/2016	<0.1	0.42		<0.1		<0.1	0.21	<0.1	
8/11/2016									
9/26/2016									
9/27/2016	<0.1	0.39	0.14 (J)	<0.1	<0.1	<0.1	0.17 (J)	<0.1	<0.1
9/28/2016									
11/14/2016									
11/15/2016	<0.1	0.43	0.16 (J)	<0.1	<0.1	<0.1	0.22	<0.1	<0.1
11/16/2016									
1/10/2017									
1/11/2017			0.16 (J)		<0.1				<0.1
1/12/2017	<0.1	0.41		<0.1			0.12 (J)	<0.1	
1/13/2017						0.083 (J)			
1/16/2017									
1/17/2017									
2/28/2017					<0.1				<0.1
3/1/2017	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	
3/2/2017									
4/19/2017									
4/20/2017	<0.1		0.12 (J)	<0.1	<0.1				<0.1
4/24/2017		0.37					0.18 (J)	<0.1	
4/25/2017						<0.1			
7/13/2017									
10/10/2017									
10/11/2017	<0.1	0.39	0.11 (J)		<0.1				<0.1
10/12/2017				<0.1		<0.1	0.18 (J)	<0.1	
12/13/2017		0.48							
1/10/2018									
1/11/2018	<0.1	0.31	0.12 (J)	<0.1	<0.1		0.15 (J)	<0.1	<0.1
1/12/2018						<0.1			
7/11/2018			0.13 (J)		<0.1	<0.1		<0.1	<0.1
7/12/2018	<0.1	0.25		<0.1			0.13 (J)		
1/29/2019			0.13 (J)		<0.1	0.031 (J)			<0.1
1/30/2019	<0.1	0.35		<0.1			0.23 (J)	<0.1	
3/26/2019					<0.1				<0.1
3/27/2019	0.029	0.24	0.1	<0.1		0.034	0.12	<0.1	
9/10/2019					0.032 (J)				
9/11/2019	0.036 (J)	0.26	0.099 (J)	0.036 (J)		0.045 (J)	0.1	0.032 (J)	0.032 (J)
3/31/2020									
4/1/2020	<0.1		0.15	<0.1	0.048 (J)	0.082 (J)	0.26	0.04 (J)	0.05 (J)
4/2/2020		0.26							
9/15/2020	<0.1	0.21	0.099 (J)		<0.1	0.032 (J)	0.11	<0.1	<0.1
9/16/2020				<0.1					
3/16/2021	<0.1		0.13	<0.1	<0.1	0.04 (J)	0.18		
3/17/2021		0.28						<0.1	<0.1
8/17/2021					0.045 (J)				

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-1	GWC-11	GWC-17 (bg)	GWC-12	GWA-14 (bg)	GWC-20	GWC-10	GWC-21	GWC-15[*GWB-1...
8/18/2021	<0.1	0.35		<0.1			0.081 (J)		
8/19/2021			0.15			0.044 (J)		<0.1	0.035 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	0.04 (J)
8/9/2016	
8/10/2016	<0.1
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	0.097 (J)
11/14/2016	
11/15/2016	
11/16/2016	0.092 (J)
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	<0.1
2/28/2017	
3/1/2017	
3/2/2017	<0.1
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	<0.1
7/13/2017	<0.1
10/10/2017	
10/11/2017	
10/12/2017	<0.1
12/13/2017	
1/10/2018	
1/11/2018	
1/12/2018	<0.1
7/11/2018	
7/12/2018	<0.1
1/29/2019	
1/30/2019	<0.1
3/26/2019	
3/27/2019	0.027
9/10/2019	
9/11/2019	0.041 (J)
3/31/2020	
4/1/2020	0.05 (J)
4/2/2020	
9/15/2020	0.028 (J)
9/16/2020	
3/16/2021	
3/17/2021	<0.1
8/17/2021	



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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GWC-23

8/18/2021

8/19/2021

<0.1

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/28/2021 1:20 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWA-3 (bg)	GWC-5[*GWB-5]...	GWC-11	GWC-10	GWC-4A[*GWB-4...GWC-1	GWA-2 (bg)	GWC-9
6/19/2015	5.05	5.23	5.95					
6/20/2015				6.13	6.28	4.92	4.87	4.69
12/14/2015								4.7
12/15/2015								
4/19/2016		4.92					4.99	4.98
4/20/2016	5.17		5.85	6.28		4.9	5.43	
4/21/2016					6.21			
6/14/2016		4.89	5.53			4.9		4.98
6/15/2016	5.12			6.55			5.28	5.2
6/16/2016					6.27			
8/9/2016		4.92	5.44				4.72	
8/10/2016	5.12			6.22	6.12		5.15	4.78
8/11/2016						5.37		
9/26/2016							4.74	
9/27/2016	5.19	5.25	5.59	6.33	6.29	5.89	5.19	4.91
9/28/2016								
11/14/2016		4.96				5.94		
11/15/2016	5.14		5.58	6.28	6.12		5.2	4.8
11/16/2016								4.81
1/10/2017		4.21				5.44	4.59	
1/11/2017			5.56					
1/12/2017	5.13			6.26	6.23		5.27	
1/13/2017								5.28
1/16/2017								
1/17/2017								
2/28/2017		4.95	5.53			5.49	4.91	
3/1/2017	5.05			6.41	6.15		5.31	4.81
3/2/2017								
4/19/2017		5.12					4.98	
4/20/2017	5.15		5.63			5.51	5.29	
4/24/2017				6.26	6.8			4.99
4/25/2017								
7/13/2017								
7/17/2017							4.61	
7/18/2017		4.89	5.51			5.26		
7/19/2017							5.03	
7/20/2017	5.04							
7/24/2017				6.27	6.19			4.82
7/25/2017								
10/17/2017	5.03	4.96	5.62	6.35	6.11	5.28	5.25	4.93
1/10/2018		4.93	5.59			5.05		4.78
1/11/2018	5.13			6.15	6.32		5.02	
1/12/2018								4.83
7/11/2018		4.87 (D)	5.49			4.53		4.75 (D)
7/12/2018	5.09 (D)			6.63 (D)	6.7 (D)		5.04 (D)	4.8 (D)
1/29/2019		4.98	5.39			4.66	4.91	
1/30/2019	5.01			6.09	6.2		5.21	4.88
3/26/2019			5.45			4.72		
3/27/2019	4.93	4.8		6.32	6.54		5.15	4.69
9/10/2019			5.71			4.72		4.75
9/11/2019	5.04	5.03		6.37	6.63		4.8	4.77
3/31/2020			5.45			5.06		4.8

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-12	GWA-3 (bg)	GWC-5[*GWB-5]...	GWC-11	GWC-10	GWC-4A[*GWB-4...GWC-1	GWA-2 (bg)	GWC-9
4/1/2020	5.05	4.92			6.52	5	4.77	4.93
4/2/2020				6.38				
9/15/2020		4.72	5.27	6.62	6.66	4.76	4.52	
9/16/2020	4.91					4.87		4.74
3/16/2021	4.97	4.91			6.48	4.89	4.76	
3/17/2021			4.8	6.58		4.9		4.69
8/17/2021		4.82					4.62	
8/18/2021	5.01			6.54	6.32	4.89		
8/19/2021			5.23			4.86		4.89



# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-17 (bg)	GWC-18 (bg)	GWC-20	GWC-21	GWA-16[*GWB-1...	GWC-19	GWC-15[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)
4/1/2020	5.3	6.15	5.03	5.04	4.95	5.67	5.35	5.26	
4/2/2020									
9/15/2020	5.29	6.13	4.96	4.86	5.02		4.92	5.83	5.07
9/16/2020						5.43			
3/16/2021	4.83		4.78		4.68	5.45		4.76	4.47
3/17/2021		5.99		4.8			5.41		
8/17/2021					4.95			5.12	
8/18/2021									4.93
8/19/2021	5.29	6.17	4.91	4.81		5.69	4.92		

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

6/19/2015	
6/20/2015	
12/14/2015	
12/15/2015	
4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	
8/9/2016	
8/10/2016	6.34
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	6.29
11/14/2016	
11/15/2016	
11/16/2016	6.18
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	5.68
2/28/2017	
3/1/2017	
3/2/2017	5.75
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	5.65
7/13/2017	5.65
7/17/2017	
7/18/2017	
7/19/2017	
7/20/2017	
7/24/2017	
7/25/2017	5.24
10/17/2017	5.37
1/10/2018	
1/11/2018	
1/12/2018	5.35
7/11/2018	
7/12/2018	5.21 (D)
1/29/2019	
1/30/2019	5.14
3/26/2019	
3/27/2019	5.3
9/10/2019	
9/11/2019	5.24
3/31/2020	

# Prediction Limit

Constituent: pH (S.U.) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-23
4/1/2020	5.23
4/2/2020	
9/15/2020	5.18
9/16/2020	
3/16/2021	
3/17/2021	4.97
8/17/2021	
8/18/2021	
8/19/2021	5.16

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWC-17 (bg)	GWC-1
4/19/2016	106	34	<10	<10	49				
4/20/2016						<10	32	29	<10
4/21/2016									
6/14/2016			46	55		47			
6/15/2016					84		81	85	52
6/16/2016	150	34							
8/9/2016			18	6		10		<10	
8/10/2016		32			44		64		10
8/11/2016	78								
9/26/2016				24					
9/27/2016			30		30	16	60	6	30
9/28/2016	43	13							
11/14/2016			26						
11/15/2016		64		38	32	4 (J)	72	24	32
11/16/2016	140								
1/10/2017			18	18					
1/11/2017	64							20	
1/12/2017						26	84		52
1/13/2017					54				
1/16/2017		12							
1/17/2017									
2/28/2017			22	12		6			
3/1/2017	88	72			34		64	38	44
3/2/2017									
4/19/2017			14	14					
4/20/2017						<10		6	20
4/24/2017					<10		46		
4/25/2017	92	62							
7/13/2017									
10/10/2017				10					
10/11/2017			30			32	88	48	54
10/12/2017	54	38			20				
12/12/2017									
12/13/2017							68		
1/10/2018			28	6		10			
1/11/2018							10	18	100
1/12/2018	110	81			48				
7/11/2018	16 (J)	38 (J)	12 (J)	16 (J)		28 (J)		22 (J)	
7/12/2018					42 (J)		94 (J)		24 (J)
1/29/2019		62	27	36		24		37	
1/30/2019	100 (J)				42 (J)		89 (J)		55 (J)
3/26/2019						<10			
3/27/2019	79	61	35	36	34		79	38	26
9/10/2019						21			
9/11/2019	45	49	15	28	43		39	31	49
3/31/2020						17			
4/1/2020	73	52	20	32	36			27	39
4/2/2020							63		
9/15/2020	64		<10	22		17	82	26	25
9/16/2020		60			<10				
3/16/2021		65	25	24		23		25	29
3/17/2021	59				40		81		



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWC-17 (bg)	GWC-1
8/17/2021			21	48					
8/18/2021						21	97		33
8/19/2021	71	57			37			32	

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
 Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-4A[*GWB-4...	GWA-16[*GWB-1...	GWC-5[*GWB-5]...	GWA-14 (bg)	GWC-12	GWC-21	GWC-20	GWC-15[*GWB-1...	GWC-10
4/19/2016									
4/20/2016	<10	<10	<10	<10	41				
4/21/2016						<10	28	<10	49
6/14/2016	67		62	65					
6/15/2016		67			27			58	
6/16/2016						30	42		109
8/9/2016		4 (J)	6	24				6	
8/10/2016					6	<10	6		58
8/11/2016	<10								
9/26/2016									
9/27/2016	28	18	10	14	16	14	20	16	100
9/28/2016									
11/14/2016	48								
11/15/2016		26	32	18	22	58	82	18	94
11/16/2016									
1/10/2017	22								
1/11/2017		<10	12	6				8	
1/12/2017					44	38			110
1/13/2017							36		
1/16/2017									
1/17/2017									
2/28/2017	32		<10	14				4 (J)	
3/1/2017		6			8	32	40		110
3/2/2017									
4/19/2017									
4/20/2017	20	<10	34	<10	<10			10	
4/24/2017						16			32
4/25/2017							14		
7/13/2017									
10/10/2017	24								
10/11/2017		24	40	22				26	
10/12/2017					12	12	22		74
12/12/2017									150
12/13/2017									
1/10/2018	42		48						
1/11/2018		6		36	34	20		56	150
1/12/2018							56		
7/11/2018	<5 (J)	24 (J)	22 (J)	20 (J)		52 (J)	32 (J)	<5 (J)	
7/12/2018					26 (J)				140 (J)
1/29/2019	26	26	34	22			27	23	
1/30/2019					22 (J)	43 (J)			160 (J)
3/26/2019	39	27	21	17				17	
3/27/2019					24	33	57		130
9/10/2019	36	13	13	16					
9/11/2019					28	23	45	15	130
3/31/2020	27		28						
4/1/2020		15		<10	20	21	26	21	130
4/2/2020									
9/15/2020		14	23	17		24	34	13	140
9/16/2020	21				17				
3/16/2021		20		17	19		37		130
3/17/2021	36		31			24		29	

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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	GWC-4A[*GWB-4...	GWA-16[*GWB-1...	GWC-5[*GWB-5]...	GWA-14 (bg)	GWC-12	GWC-21	GWC-20	GWC-15[*GWB-1...	GWC-10
8/17/2021		19		19					
8/18/2021					20				140
8/19/2021	26		20			32	40	21	

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

GWC-23

4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	78
8/9/2016	
8/10/2016	88
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	35
11/14/2016	
11/15/2016	
11/16/2016	98
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	36
2/28/2017	
3/1/2017	
3/2/2017	38
4/19/2017	
4/20/2017	
4/24/2017	
4/25/2017	28
7/13/2017	20
10/10/2017	
10/11/2017	
10/12/2017	24
12/12/2017	
12/13/2017	
1/10/2018	
1/11/2018	
1/12/2018	43
7/11/2018	
7/12/2018	40
1/29/2019	
1/30/2019	38 (J)
3/26/2019	
3/27/2019	42
9/10/2019	
9/11/2019	24
3/31/2020	
4/1/2020	25
4/2/2020	
9/15/2020	27
9/16/2020	
3/16/2021	
3/17/2021	24

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/28/2021 1:20 AM View: Appendix III  
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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GWC-23

8/17/2021

8/18/2021

8/19/2021

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