Georgia Power

Georgia Power Company
Plant McIntosh Landfill No. 4

Permit No. 051-010D(LI)
Effingham County

2022 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Atlantic Coast Consulting, Inc.

PROFESSIONAL CERTIFICATION

This *2022 Semiannual 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). I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management, and 40 CFR Part 258.50(g).

ATLANTIC COAST CONSULTING, INC.

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SUMMARY

This summary of the *2022 Semiannual Groundwater Monitoring and Corrective Action Report* provides the January through July 2022 groundwater monitoring and corrective action program status for Georgia Power Company (Georgia Power) Plant McIntosh Existing 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[1] 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.

PLANT MCINTOSH AND SITE

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[2] to meet the requirements of 40 CFR § 257.90 through § 257.95. Background groundwater conditions for Appendix III and IV parameters[3] were established between April 2016 and July 2017. During the January through July 2022 semiannual reporting period, the Site remained in detection monitoring.

During the January through July 2022 semiannual reporting period, ACC conducted one semiannual groundwater sampling event in February. Groundwater samples were submitted to Eurofins Environment Testing America (Eurofins) for analysis. Per the CCR Rule, groundwater results for February 2022 data were evaluated in accordance with the certified

[1] 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
[2] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
[3] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226+228

statistical methods. That evaluation indicated no statistically significant values of required parameters in any well, except for chloride in GWC-9 which is attributed to an alternate source.

Based on review of the Appendix III statistical results completed for the groundwater monitoring and corrective action program from January through July 2022, 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 *2022 Semiannual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at the Georgia Power Company (Georgia Power) Plant McIntosh Existing 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 event conducted in February 2022 and includes: (1) results for the list of constituents 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 *2022 Semiannual 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 (Figure 3, Potentiometric Contour Map, February 2022).

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 within the uppermost aquifer passing the waste boundary of the CCR Unit. 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 July 2022 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 February 2022. 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)). Monitoring wells were inspected as documented in Appendix A. This documentation was performed under the direction of a professional geologist 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 February 2022.

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 event are summarized in Table 3, Summary of Groundwater Elevations – February 2022. Groundwater elevation data were used to develop Figure 3. 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 February 2022 monitoring event are consistent with historical patterns.

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

Equation

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

where:
v = groundwater velocity
K = hydraulic conductivity
dh/dl = hydraulic gradient
P_e = effective porosity

The groundwater flow velocity was calculated for the Site based on average hydraulic gradients, hydraulic conductivity based on the geometric mean aquifer rising head test data, and an estimated effective porosity of 0.20. The groundwater flow velocity has been calculated and is tabulated on Table 4, Horizontal Groundwater Flow Velocity Calculations – February 2022. The calculated flow velocity was approximately 0.052 feet per day during the February 2022 event.

The calculated groundwater velocity across the Site is generally consistent with historical calculations and with the expected velocity 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).

A SmarTroll or AquaTroll (In-Situ field instruments) 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:

- ± 0.1 standard units for pH,
- ± 5% for specific conductance,
- ± 10% or 0.2 milligrams per liter (mg/L), 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 Environment Testing America (Eurofins) of Pittsburgh, Pennsylvania laboratory following chain-of-custody protocol. Stabilization logs and field calibration 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 February 2022. Analytical data collected in the monitoring event are summarized in Table 5, Summary of Groundwater Analytical Data – February 2022.

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. Note that the well identifications in the laboratory reports reflect the well names before the 2022 permit application.

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. 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 Table 5 indicate that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limits. 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 February 2022 monitoring event 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.

4.2 Summary of Statistical Analyses Results for Appendix I Permit Parameters

Zinc in GWC-23 exceeded the intrawell limit but did not exceed the interwell limit using the two-step approach. Therefore, no exceedances of Appendix I parameters were identified during the February 2022 semiannual event.

4.3 Summary of Statistical Analyses Results for Appendix III Parameters

The chloride concentration in the sample from GWC-9 exceeded the interwell prediction limit during the February 2022 semiannual event. As described in the alternate source demonstration (ASD) submitted in August 2020 the occurrence of chloride is a natural variation of groundwater quality (chloride was detected at levels higher than 9.9 mg/L prior to receiving waste, which began in September 2017). The exceedance is consistent with the conditions outlined in the

August 2020 ASD; therefore, the previous ASD remains relevant. No other exceedances were identified during the February 2022 semiannual event.

5.0 ALTERNATE SOURCE DEMONSTRATIONS

ASDs were previously submitted to Georgia EPD under separate report covers to address SSIs of Appendix I and Appendix III constituents. Based on Georgia EPD guidance, ASDs no longer require concurrence if an SSI has not been detected for two consecutive events, which indicates natural variability. The only exceedance confirmed during this reporting period is addressed by a previous ASD as presented below.

Reference	SSI(s)	Well(s)	Status
Atlantic Coast Consulting, Inc. (ACC), Alternate Source Demonstration – Plant McIntosh Existing Landfill No. 4, August 2020.	Chloride	GWC-9	ASD submitted

6.0 MONITORING PROGRAM STATUS

The only verified SSI for an Appendix III parameter was addressed by a previous ASD and there were no SSIs for Appendix I parameters. Therefore, the Site remains in detection monitoring.

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2022 Semiannual 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.

Statistical evaluations of the groundwater monitoring data for the Site identified an SSI for an Appendix III parameter. The verified SSI has been addressed by a previous ASD, and the Site remains in detection monitoring. There were no other SSIs of Appendix I or Appendix III parameters identified during the February 2022 semiannual event. The Site will remain in detection monitoring.

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

8.0 REFERENCES

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US EPA, 2020. Field Equipment Cleaning and Decontamination – Operating Procedure: LSASDPROC-205-R4, Athens, Georgia, 16 p.

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TABLES

Atlantic Coast Consulting, Inc.

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	08/17/2004	855444.67	958416.09	46.85	28.29	18.56	17.79	29.06	Downgradient
GWA-2	08/17/2004	855307.00	958105.74	53.43	28.47	24.96	17.97	35.46	Upgradient
GWA-3	08/17/2004	855168.65	957788.07	57.75	38.31	19.44	27.81	29.94	Upgradient
GWA-4A*	08/04/2016	855352.40	957496.55	65.00	39.00	26.00	25.00	40.00	Upgradient
GWA-5*	08/18/2004	855677.36	957324.69	62.09	41.71	20.38	31.21	30.88	Upgradient
GWC-9	08/16/2004	856726.86	957902.73	53.38	38.05	15.33	27.55	25.83	Downgradient
GWC-10	08/19/2004	856427.33	958081.67	49.39	33.16	16.23	22.66	26.73	Downgradient
GWC-11	08/18/2004	856116.10	958251.47	57.74	43.22	14.52	32.72	25.02	Downgradient
GWC-12	08/18/2004	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
GWA-15*	10/27/2015	855322.04	956314.43	56.86	40.30	16.56	30.00	26.86	Upgradient
GWA-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	11/04/2015	856734.02	957390.27	45.22	27.16	18.06	16.86	28.36	Downgradient
GWC-23	05/26/2016	856905.61	957714.35	52.43	33.70	18.73	22.73	29.70	Downgradient
PZ-22*	11/04/2015	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. NAVD88 indicates feet relative to North American Vertical Datum of 1988.
3. ft BTOC indicates feet below top of casing.
4. * Well identification as described in 2022 permit submittal.
5. ** Wells GWC-17 and GWC-18 were approved by GA EPD for use in the background monitoring pool until Cell 2B is constructed and waste is placed.
6. Wells resurveyed June 2020.

Atlantic Coast Consulting, Inc.

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

Well	Hydraulic Location	Feb. 22-23, 2022
Purpose of Sampling Event		Semiannual Detection
GWC-1	Downgradient	X
GWA-2	Upgradient	X
GWA-3	Upgradient	X
GWA-4A*	Upgradient	X
GWA-5*	Upgradient	X
GWC-9	Downgradient	X
GWC-10	Downgradient	X
GWC-11	Downgradient	X
GWC-12	Downgradient	X
GWA-13	Upgradient	X
GWA-14	Upgradient	X
GWA-15*	Upgradient	X
GWA-16	Upgradient	X
GWC-17**	Upgradient	X
GWC-18**	Upgradient	X
GWC-19	Downgradient	X
GWC-20	Downgradient	X
GWC-21	Downgradient	X
GWC-23	Downgradient	X

Notes:
1. X indicates sample was collected.
2. Semiannual Detection Event includes state-modified Appendix I and Appendix III.
3. * Well identification as described in 2022 permit submittal.
4. ** Wells GWC-17 and GWC-18 were approved by GA EPD for use in the background monitoring pool until Cell 2B is constructed and waste is placed.

Atlantic Coast Consulting, Inc.

Table 3
Summary of Groundwater Elevations
February 2022
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	15.55	31.30
GWA-2	53.43	17.44	35.99
GWA-3	57.75	22.52	35.23
GWA-4A*	65.00	26.41	38.59
GWA-5*	62.09	25.17	36.92
GWC-9	53.38	29.56	23.82
GWC-10	49.39	24.97	24.42
GWC-11	57.74	33.42	24.32
GWC-12	57.05	27.63	29.42
GWA-13	60.93	25.53	35.40
GWA-14	61.59	26.48	35.11
GWA-15*	56.86	23.00	33.86
GWA-16	54.67	24.92	29.75
GWC-17	54.29	27.73	26.56
GWC-18	59.74	35.96	23.78
GWC-19	53.59	29.95	23.64
GWC-20	47.36	23.35	24.01
GWC-21	45.22	21.42	23.80
PZ-22*	51.17	28.16	23.01
GWC-23	52.43	29.91	22.52

Notes:
1. NAVD88 indicates feet North American Vertical Datum of 1988.
2. ft BTOC = feet below top of casing.
3. Depths to water measured February 21, 2022.
4. * Well identification as described in 2022 permit submittal.

Table 4
HORIZONTAL GROUNDWATER FLOW VELOCITY CALCULATIONS
February 2022
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_e = effective porosity

Values Used in Calculation

Value			Source
K =	3.0E-04	cm/sec	See note 1.
	0.86	ft/day	
			Hydraulic gradient from
dh/dl_1 =	12.26/1053	ft/ft	GWA-3 to GWC-11
=	0.010	unitless	
dh/dl_2 =	15.52/1292	ft/ft	GWA-5 to GWC-23
	0.011	unitless	
dh/dl_3 =	11.62/763	ft/ft	GWA-14 to GWC-18
	0.015	unitless	
dh/dl_{avg} =	0.012	unitless	Average of $dh/dl_{1,2,3}$
P_e =	0.20	unitless	See note 2.

Calculated Flow Velocity

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

v = 0.052 ft/day, or 19 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 5
Summary of Groundwater Analytical Data - February 2022
Plant McIntosh Landfill No. 4
Effingham County, Georgia

Parameter		Sample ID							
		GWC-1	GWA-2	GWA-3	GWA-4A	GWA-5	GWC-9	GWC-10	GWC-11
		2/23/2022	2/22/2022	2/22/2022	2/23/2022	2/22/2022	2/23/2022	2/23/2022	2/23/2022
APPENDIX III	Boron	<0.060	0.11	0.065 J	0.096	<0.060	<0.060	0.069 J	<0.060
	Calcium	1.4	0.42 J	0.72	0.35 J	2.3	1.0	22	8.1
	Chloride	5.6	4.6	3.4	3.7	3.8	9.9	6.8	4.8
	Fluoride	<0.026	<0.026	<0.026	<0.026	<0.026	0.049 J	0.13	0.36
	pH	4.92	4.69	4.90	4.80	5.34	5.07	6.46	6.28
	Sulfate	1.6	<0.76	<0.76	2.7	<0.76	<0.76	3.4	2.9
	TDS	31	27	16	21	21	30	130	70
Required by Permit	Antimony	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051
	Arsenic	<0.00028	<0.00028	<0.00028	0.00035 J	<0.00028	<0.00028	0.00048 J	0.0013
	Barium	0.039	0.038	0.015	0.015	0.041	0.026	0.018	0.010
	Beryllium	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027
	Cadmium	<0.00022	<0.00022	<0.00022	0.00024 J	<0.00022	<0.00022	<0.00022	<0.00022
	Chromium	<0.0015	0.0018 J	<0.0015	<0.0015	<0.0015	<0.0015	0.0031	0.0050
	Cobalt	0.0017 J	0.0015 J	0.00037 J	0.0013 J	0.00076 J	0.00064 J	<0.00026	<0.00026
	Copper	<0.0011	<0.0011	<0.0011	0.0012 J	<0.0011	<0.0011	<0.0011	<0.0011
	Lead	<0.00017	0.0054	<0.00017	0.00019 J	<0.00017	<0.00017	<0.00017	0.00017 J
	Nickel	0.0012	0.00092 J	<0.00052	<0.00052	<0.00052	0.00076 J	<0.00052	<0.00052
	Selenium	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074
	Silver	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	Thallium	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047
	Vanadium	<0.00078	0.0010	<0.00078	<0.00078	<0.00078	<0.00078	0.0011	0.0013
	Zinc	<0.0029	0.0055	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029	<0.0029

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 2022 permit submittal for GWC-4A, GWC-5, and GWC-15 are GWA-4A, GWA-5, and GWA-15, respectively.

Table 5
Summary of Groundwater Analytical Data - February 2022
Plant McIntosh Landfill No. 4
Effingham County, Georgia

Parameter		Sample ID							
		GWC-12	GWA-13	GWA-14	GWA-15	GWA-16	GWC-17	GWC-18	GWC-19
		2/23/2022	2/22/2022	2/22/2022	2/22/2022	2/22/2022	2/22/2022	2/23/2022	2/23/2022
APPENDIX III	Boron	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060
	Calcium	0.64	0.35 J	0.52	0.92	0.43 J	2.0	9.1	6.3
	Chloride	4.1	3.8	4.0	3.7	3.7	4.5	5.0	5.8
	Fluoride	0.043 J	<0.026	<0.026	<0.026	<0.026	0.062 J	0.66	0.11
	pH	5.10	4.91	5.20	5.15	4.98	5.29	6.20	5.63
	Sulfate	1.1	<0.76	<0.76	<0.76	<0.76	<0.76	4.5	3.1
	TDS	16	17	16	22	17	27	54	41
Required by Permit	Antimony	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051
	Arsenic	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	0.00098 J	0.00028 J
	Barium	0.010	0.019	0.014	0.026	0.026	0.019	0.012	0.010
	Beryllium	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027	0.00078 J	<0.00027	0.00031 J
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	0.00064 J	<0.00022	<0.00022
	Chromium	0.0016 J	<0.0015	<0.0015	<0.0015	0.0015 J	0.0030	0.0025	0.0016 J
	Cobalt	0.00049 J	0.00052 J	0.00042 J	0.00051 J	0.00048 J	<0.00026	<0.00026	<0.00026
	Copper	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	Lead	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	0.00026 J	<0.00017
	Nickel	0.0011	<0.00052	<0.00052	0.00061 J	<0.00052	0.0017	0.0010	0.0011
	Selenium	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074
	Silver	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	Thallium	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047
	Vanadium	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	0.0025	0.00088 J
	Zinc	<0.0029	<0.0029	0.0054	0.0057	0.0076	0.0046 J	<0.0029	<0.0029

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 2022 permit submittal for GWC-4A, GWC-5, and GWC-15 are GWA-4A, GWA-5, and GWA-15, respectively.

Table 5
Summary of Groundwater Analytical Data - February 2022
Plant McIntosh Landfill No. 4
Effingham County, Georgia

Parameter		Sample ID		
		GWC-20	GWC-21	GWC-23
		2/22/2022	2/23/2022	2/23/2022
APPENDIX III	Boron	<0.060	<0.060	<0.060
	Calcium	1.3	1.1	0.92
	Chloride	7.7	7.3	5.2
	Fluoride	0.033 J	0.037 J	0.030 J
	pH	5.02	4.87	5.11
	Sulfate	1.4	1.0	2.4
	TDS	33	26	23
Required by Permit	Antimony	<0.00051	<0.00051	<0.00051
	Arsenic	<0.00028	<0.00028	<0.00028
	Barium	0.018	0.020	0.024
	Beryllium	<0.00027	<0.00027	<0.00027
	Cadmium	<0.00022	<0.00022	<0.00022
	Chromium	<0.0015	<0.0015	0.0028
	Cobalt	0.00090 J	0.00079 J	0.0026
	Copper	<0.0011	<0.0011	<0.0011
	Lead	<0.00017	<0.00017	<0.00017
	Nickel	0.00092 J	0.00071 J	0.0013
	Selenium	<0.00074	<0.00074	<0.00074
	Silver	<0.00022	<0.00022	<0.00022
	Thallium	<0.00047	<0.00047	<0.00047
	Vanadium	<0.00078	<0.00078	<0.00078
	Zinc	0.0034 J	0.0040 J	0.017

Notes:

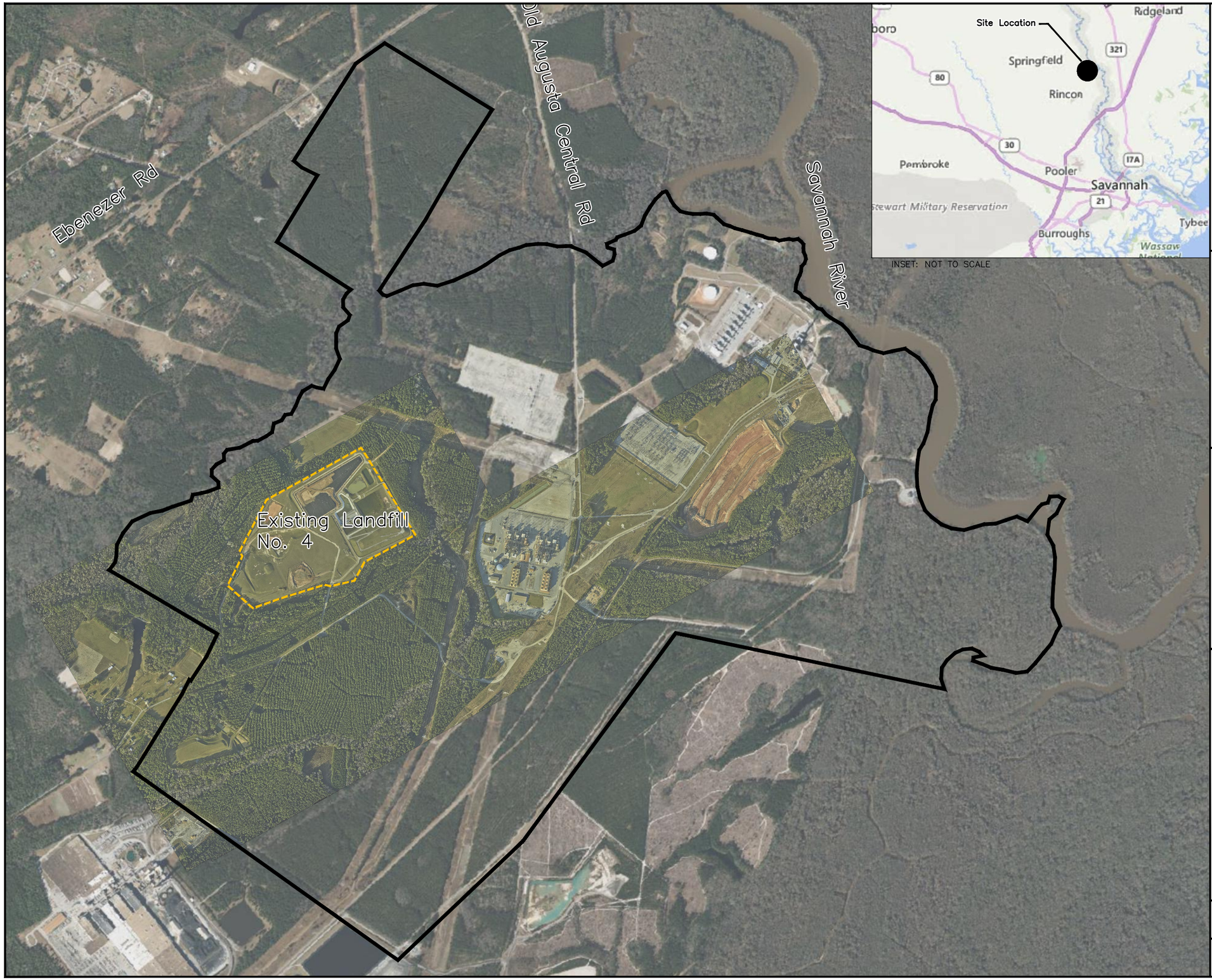
1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of 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 2022 permit submittal for GWC-4A, GWC-5, and GWC-15 are GWA-4A, GWA-5, and GWA-15, 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, GWA-4A, GWA-5, GWA-13, GWA-14, GWA-15, GWA-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
Georgia 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 per the two-step statistical method.

Notes:
1. Well identification as described in 2022 permit submittal.
2. Wells GWC-17 and GWC-18 were approved by GA EPD for use in the background monitoring pool until Cell 2B is constructed and waste is placed.

FIGURES



INSET: NOT TO SCALE

ATLANTIC COAST CONSULTING, INC.

1,500 0 750 1,500

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
———	APPROXIMATE PROPERTY BOUNDARY
- - - - - -	LANDFILL No. 4

NOTES:

1. AERIAL DATED 2/15/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2021 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT McINTOSH LANDFILL No. 4

2022 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

SITE LOCATION MAP

PROJECT NO. I054-110 July 2022

DRAWN BY:	MM	FIGURE:
CHECKED BY:	RW	1

CHARLES BRISENDINE ADAMS
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1632

ATLANTIC COAST CONSULTING, INC.

250 0 125 250

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE LANDFILL BOUNDARY
	APPROXIMATE CELL BOUNDARY
GWC–1	MONITORING WELL
PZ–22	PIEZOMETER

NOTES:
1. WELL ID'S ARE CHANGED AS LISTED IN THE 2022 PERMIT APPLICATION.
2. MONITORING WELLS GWC–17 AND GWC–18 WERE APPROVED BY GEORGIA EPD FOR USE IN THE BACKGROUND MONITORING POOL UNTIL SUCH TIME THAT CELL 2B IS CONSTRUCTED AND WASTE IS PLACED.
3. AERIAL DATED 2/15/2022 FROM SAM, LLC.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT MCINTOSH LANDFILL NO. 4

2022 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WELL LOCATION MAP

PROJECT NO. 1054-110 February 2022

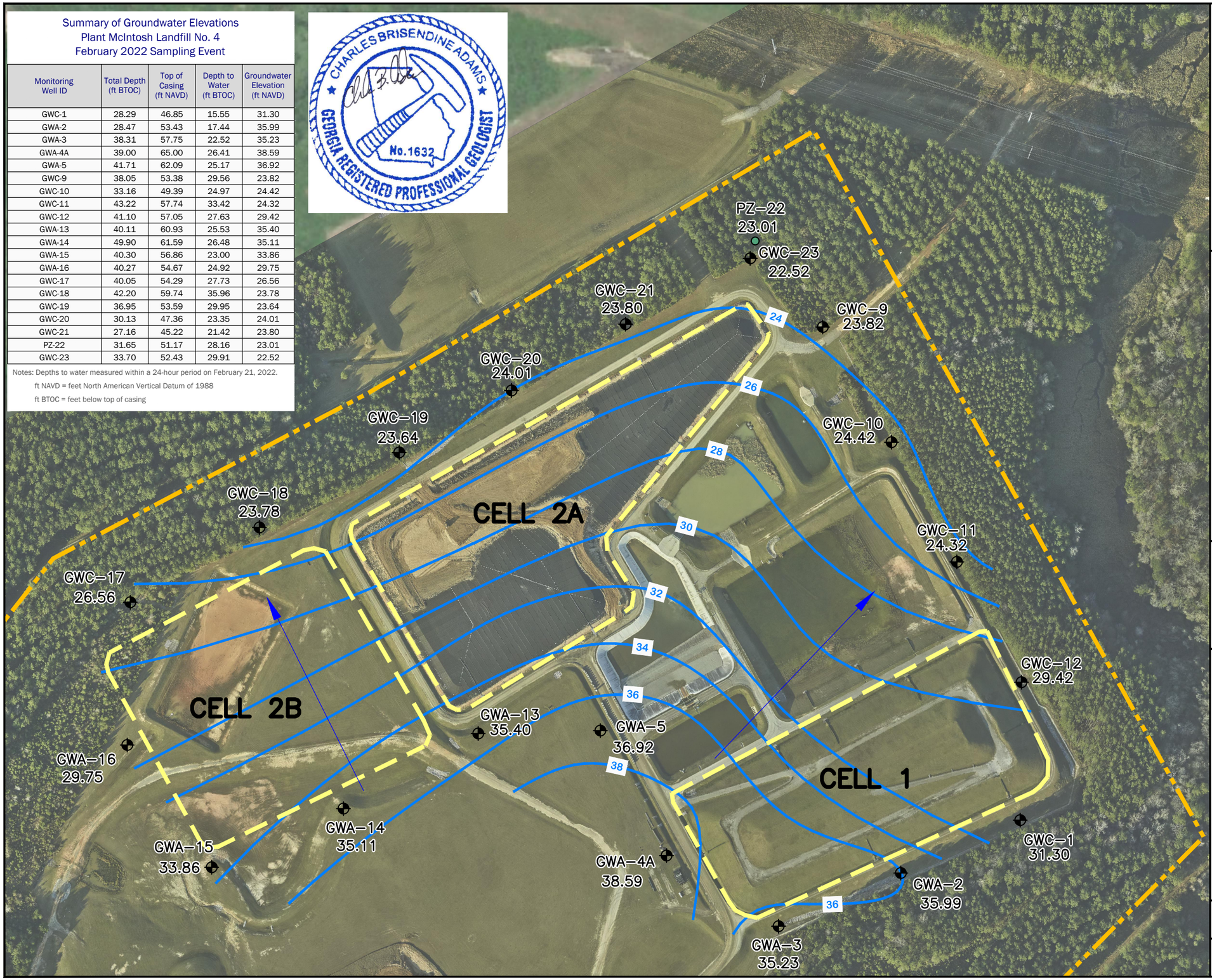
DRAWN BY:	MM	FIGURE:	2
CHECKED BY:	RW		

Summary of Groundwater Elevations
Plant McIntosh Landfill No. 4
February 2022 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	15.55	31.30
GWA-2	28.47	53.43	17.44	35.99
GWA-3	38.31	57.75	22.52	35.23
GWA-4A	39.00	65.00	26.41	38.59
GWA-5	41.71	62.09	25.17	36.92
GWC-9	38.05	53.38	29.56	23.82
GWC-10	33.16	49.39	24.97	24.42
GWC-11	43.22	57.74	33.42	24.32
GWC-12	41.10	57.05	27.63	29.42
GWA-13	40.11	60.93	25.53	35.40
GWA-14	49.90	61.59	26.48	35.11
GWA-15	40.30	56.86	23.00	33.86
GWA-16	40.27	54.67	24.92	29.75
GWC-17	40.05	54.29	27.73	26.56
GWC-18	42.20	59.74	35.96	23.78
GWC-19	36.95	53.59	29.95	23.64
GWC-20	30.13	47.36	23.35	24.01
GWC-21	27.16	45.22	21.42	23.80
PZ-22	31.65	51.17	28.16	23.01
GWC-23	33.70	52.43	29.91	22.52

Notes: Depths to water measured within a 24-hour period on February 21, 2022.
ft NAVD = feet North American Vertical Datum of 1988
ft BTOC = feet below top of casing

CHARLES BRISENDINE ADAMS
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1632



ATLANTIC COAST CONSULTING, INC.

250 0 125 250
SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE LANDFILL BOUNDARY
	APPROXIMATE CELL BOUNDARY
GWC–1 32.70	MONITORING WELL GROUNDWATER ELEVATION
PZ–22 23.41	PIEZOMETER GROUNDWATER ELEVATION
26	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

NOTES:
1. WELL ID'S ARE CHANGED AS LISTED IN THE 2022 PERMIT APPLICATION.
2. MONITORING WELLS GWC–17 AND GWC–18 WERE APPROVED BY GEORGIA EPD FOR USE IN THE BACKGROUND MONITORING POOL UNTIL SUCH TIME THAT CELL 2B IS CONSTRUCTED AND WASTE IS PLACED.
3. AERIAL DATED 2/15/2022 FROM SAM, LLC.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT MCINTOSH LANDFILL NO. 4

2022 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

POTENTIOMETRIC CONTOUR MAP FEBRUARY 2022

PROJECT NO. I054-110 March 2022

DRAWN BY:	RW	FIGURE:
CHECKED BY:	MM	3

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL AND FIELD SAMPLING REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-134224-1
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:
3/9/2022 8:16:57 PM

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

PA Lab ID: 02-00416

Table of Contents

Case Narrative

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

Job ID: 180-134224-1

Job ID: 180-134224-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134224-1

Receipt
The samples were received on 2/24/2022 12:30 PM and 2/26/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.4°C, 4.0°C and 4.5°C

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-390373 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Metals
Method 6020B: The continuing calibration blank (CCB) associated with batch 180-390197 recovered above the upper control limit for zinc. The samples associated with this CCB were less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWC-1 (180-134312-1), GWC-4A (180-134312-2), GWC-9 (180-134312-3), GWC-10 (180-134312-4), GWC-11 (180-134312-5), GWC-12 (180-134312-6), GWC-18 (180-134312-7), GWC-19 (180-134312-8), GWC-21 (180-134312-9), DUP-2 (180-134312-11), FB-2 (180-134312-12), EB-2 (180-134312-13), (CCB 180-390197/11), (CCB 180-390197/31), (CCB 180-390197/42), (LCS 180-389898/2-A), (MB 180-389898/1-A), (180-134312-B-1-B MS), (180-134312-B-1-C MSD), (180-134312-B-1-A PDS) and (180-134312-B-1-A SD ^5).

Method 6020B: The continuing calibration blank (CCB) associated with batch 180-390197 recovered above the upper control limit for zinc. The samples associated with this CCB were less than the RL for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GWA-3 (180-134224-2), GWA-13 (180-134224-3), GWC-17 (180-134224-7), GWC-20 (180-134224-8), FB-1 (180-134224-10), EB-1 (180-134224-11), GWC-5 (180-134224-12), (CCB 180-390197/46), (CCB 180-390197/57), (CCB 180-390197/68), (LCS 180-389897/2-A) and (MB 180-389897/1-A).

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

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

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

Definitions/Glossary

Client: Southern Company
Job ID: 180-134224-1
Project/Site: Plant McIntosh Landfill #4

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
^2	Calibration Blank (ICB and/or CCB) is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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
Job ID: 180-134224-1
Project/Site: Plant McIntosh Landfill #4

Laboratory: Eurofins 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	06-27-22
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	03-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-02-22
North Carolina (WW/SW)	State	434	12-31-22
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	06-30-22
Texas	NELAP	T104704528	03-31-22
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-15-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

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

Sample Summary

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

Job ID: 180-134224-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134224-1	GWA-2	Water	02/22/22 13:57	02/24/22 12:30
180-134224-2	GWA-3	Water	02/22/22 10:14	02/24/22 12:30
180-134224-3	GWA-13	Water	02/22/22 14:39	02/24/22 12:30
180-134224-4	GWA-14	Water	02/22/22 11:40	02/24/22 12:30
180-134224-5	GWA-16	Water	02/22/22 10:17	02/24/22 12:30
180-134224-6	GWC-15	Water	02/22/22 13:09	02/24/22 12:30
180-134224-7	GWC-17	Water	02/22/22 15:17	02/24/22 12:30
180-134224-8	GWC-20	Water	02/22/22 17:00	02/24/22 12:30
180-134224-9	DUP-1	Water	02/22/22 00:01	02/24/22 12:30
180-134224-10	FB-1	Water	02/22/22 12:00	02/24/22 12:30
180-134224-11	EB-1	Water	02/22/22 16:20	02/24/22 12:30
180-134224-12	GWC-5	Water	02/22/22 16:19	02/24/22 12:30
180-134312-1	GWC-1	Water	02/23/22 10:52	02/26/22 10:00
180-134312-2	GWC-4A	Water	02/23/22 09:49	02/26/22 10:00
180-134312-3	GWC-9	Water	02/23/22 16:27	02/26/22 10:00
180-134312-4	GWC-10	Water	02/23/22 14:52	02/26/22 10:00
180-134312-5	GWC-11	Water	02/23/22 12:34	02/26/22 10:00
180-134312-6	GWC-12	Water	02/23/22 13:15	02/26/22 10:00
180-134312-7	GWC-18	Water	02/23/22 10:10	02/26/22 10:00
180-134312-8	GWC-19	Water	02/23/22 16:25	02/26/22 10:00
180-134312-9	GWC-21	Water	02/23/22 16:04	02/26/22 10:00
180-134312-10	GWC-23	Water	02/23/22 14:17	02/26/22 10:00
180-134312-11	DUP-2	Water	02/23/22 00:01	02/26/22 10:00
180-134312-12	FB-2	Water	02/23/22 10:53	02/26/22 10:00
180-134312-13	EB-2	Water	02/23/22 13:45	02/26/22 10:00

Method Summary

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

Job ID: 180-134224-1

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 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: 180-134224-1

Client Sample ID: GWA-2
Date Collected: 02/22/22 13:57
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-1
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			389895	03/01/22 13:10	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:16	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390347	03/03/22 13:02	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 13:57	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-3
Date Collected: 02/22/22 10:14
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-2
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			389895	03/01/22 14:25	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:27	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 10:14	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-13
Date Collected: 02/22/22 14:39
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-3
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			389895	03/01/22 14:50	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:31	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 14:39	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-134224-1

Client Sample ID: GWA-14

Lab Sample ID: 180-134224-4

Date Collected: 02/22/22 11:40

Matrix: Water

Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			389895	03/01/22 15:15	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:34	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390347	03/03/22 13:05	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 11:40	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-16

Lab Sample ID: 180-134224-5

Date Collected: 02/22/22 10:17

Matrix: Water

Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			389895	03/01/22 15:40	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:38	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390347	03/03/22 13:09	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 10:17	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-15

Lab Sample ID: 180-134224-6

Date Collected: 02/22/22 13:09

Matrix: Water

Date Received: 02/24/22 12:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			389895	03/01/22 16:05	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:42	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390347	03/03/22 13:19	RSK	TAL PIT
	Instrument ID: DORY									

Lab Chronicle

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

Job ID: 180-134224-1

Client Sample ID: GWC-15
Date Collected: 02/22/22 13:09
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 13:09	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-17
Date Collected: 02/22/22 15:17
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			389895	03/01/22 17:20	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:45	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 15:17	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-20
Date Collected: 02/22/22 17:00
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-8
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			389895	03/01/22 17:45	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:49	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 17:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-1
Date Collected: 02/22/22 00:01
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-9
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			389895	03/01/22 19:00	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:53	RSK	TAL PIT
	Instrument ID: A									

Lab Chronicle

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

Job ID: 180-134224-1

Client Sample ID: DUP-1
Date Collected: 02/22/22 00:01
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390347	03/03/22 13:23	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-1
Date Collected: 02/22/22 12:00
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-10
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			389895	03/01/22 18:10	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 16:56	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389840	02/28/22 17:18	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-1
Date Collected: 02/22/22 16:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-11
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			389895	03/01/22 18:35	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 17:07	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389842	02/28/22 17:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-5
Date Collected: 02/22/22 16:19
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			389895	03/01/22 20:15	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	389897	03/01/22 09:47	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 17:11	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389842	02/28/22 17:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390456	02/22/22 16:19	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-134224-1

Client Sample ID: GWC-1

Date Collected: 02/23/22 10:52
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-1

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			390373	03/04/22 21:37	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 12:53	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389842	02/28/22 17:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 10:52	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-4A

Date Collected: 02/23/22 09:49
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-2

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			390373	03/04/22 21:23	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:18	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389842	02/28/22 17:28	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 09:49	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-9

Date Collected: 02/23/22 16:27
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-3

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			390373	03/04/22 22:45	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:22	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 16:27	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-134224-1

Client Sample ID: GWC-10

Date Collected: 02/23/22 14:52
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-4

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			390373	03/04/22 22:59	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:26	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 14:52	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-11

Date Collected: 02/23/22 12:34
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390373	03/04/22 23:12	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:29	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 12:34	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-12

Date Collected: 02/23/22 13:15
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390373	03/04/22 23:26	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:33	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 13:15	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-134224-1

Client Sample ID: GWC-18

Date Collected: 02/23/22 10:10
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390373	03/04/22 23:39	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:36	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 10:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-19

Date Collected: 02/23/22 16:25
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-8

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			390373	03/04/22 23:53	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:47	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 16:25	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-21

Date Collected: 02/23/22 16:04
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-9

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			390373	03/05/22 00:07	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:51	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 16:04	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-134224-1

Client Sample ID: GWC-23
Date Collected: 02/23/22 14:17
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-10
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			390373	03/05/22 00:20	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:55	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390347	03/03/22 12:16	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			390471	02/23/22 14:17	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-2
Date Collected: 02/23/22 00:01
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-11
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			390373	03/05/22 03:18	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 13:58	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-2
Date Collected: 02/23/22 10:53
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390373	03/05/22 00:34	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 14:02	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-2
Date Collected: 02/23/22 13:45
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390373	03/05/22 04:26	JRB	TAL PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

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

Job ID: 180-134224-1

Client Sample ID: EB-2
Date Collected: 02/23/22 13:45
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	389898	03/01/22 09:50	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390197	03/02/22 14:06	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	389843	02/28/22 17:34	JCR	TAL PIT
	Instrument ID: NOEQUIP									

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

Analyst References:
Lab: TAL PIT
Batch Type: Prep
RGM = Rebecca Manns
Batch Type: Analysis
FDS = Sampler Field
JCR = Jessica Rodgers
JRB = James Burzio
RSK = Robert Kurtz

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWA-2

Date Collected: 02/22/22 13:57
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		1.0	0.71	mg/L			03/01/22 13:10	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 13:10	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 13:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:16	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:16	1
Barium	**0.038**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:16	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:16	1
Boron	**0.11**		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:16	1
Calcium	**0.42**	**J**	0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:16	1
Chromium	**0.0018**	**J**	0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:16	1
Cobalt	**0.0015**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:16	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:16	1
Lead	**0.0054**		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:16	1
Nickel	**0.00092**	**J**	0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:16	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:16	1
Vanadium	**0.0010**		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:16	1
Zinc	**0.0055**		0.0050	0.0029	mg/L		03/01/22 09:47	03/03/22 13:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**27**		10	10	mg/L			02/28/22 17:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.69**				SU			02/22/22 13:57	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWA-3
Date Collected: 02/22/22 10:14
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.4**		1.0	0.71	mg/L			03/01/22 14:25	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 14:25	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:27	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:27	1
Barium	**0.015**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:27	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:27	1
Boron	**0.065**	**J**	0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:27	1
Calcium	**0.72**		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:27	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:27	1
Cobalt	**0.00037**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:27	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:27	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:27	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:27	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:27	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:27	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:27	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:27	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:47	03/02/22 16:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**16**		10	10	mg/L			02/28/22 17:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.90**				SU			02/22/22 10:14	1

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

Job ID: 180-134224-1

Client Sample ID: GWA-13

Date Collected: 02/22/22 14:39
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.8**		1.0	0.71	mg/L			03/01/22 14:50	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 14:50	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 14:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:31	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:31	1
Barium	**0.019**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:31	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:31	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:31	1
Calcium	**0.35**	**J**	0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:31	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:31	1
Cobalt	**0.00052**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:31	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:31	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:31	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:31	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:31	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:31	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:31	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:31	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:47	03/02/22 16:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**17**		10	10	mg/L			02/28/22 17:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.91**				SU			02/22/22 14:39	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWA-14

Date Collected: 02/22/22 11:40
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.0**		1.0	0.71	mg/L			03/01/22 15:15	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 15:15	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 15:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:34	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:34	1
Barium	**0.014**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:34	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:34	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:34	1
Calcium	**0.52**		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:34	1
Cobalt	**0.00042**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:34	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:34	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:34	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:34	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:34	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:34	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:34	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:34	1
Zinc	**0.0054**		0.0050	0.0029	mg/L		03/01/22 09:47	03/03/22 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**16**		10	10	mg/L			02/28/22 17:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.20**				SU			02/22/22 11:40	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWA-16

Date Collected: 02/22/22 10:17
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.71	mg/L			03/01/22 15:40	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 15:40	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 15:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:38	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:38	1
Barium	**0.026**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:38	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:38	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:38	1
Calcium	**0.43**	**J**	0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:38	1
Chromium	**0.0015**	**J**	0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:38	1
Cobalt	**0.00048**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:38	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:38	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:38	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:38	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:38	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:38	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:38	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:38	1
Zinc	**0.0076**		0.0050	0.0029	mg/L		03/01/22 09:47	03/03/22 13:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**17**		10	10	mg/L			02/28/22 17:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.98**				SU			02/22/22 10:17	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-15

Date Collected: 02/22/22 13:09
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.71	mg/L			03/01/22 16:05	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 16:05	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 16:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:42	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:42	1
Barium	**0.026**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:42	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:42	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:42	1
Calcium	**0.92**		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:42	1
Cobalt	**0.00051**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:42	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:42	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:42	1
Nickel	**0.00061**	**J**	0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:42	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:42	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:42	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:42	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:42	1
Zinc	**0.0057**		0.0050	0.0029	mg/L		03/01/22 09:47	03/03/22 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**22**		10	10	mg/L			02/28/22 17:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.15**				SU			02/22/22 13:09	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-17

Date Collected: 02/22/22 15:17
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.5**		1.0	0.71	mg/L			03/01/22 17:20	1
Fluoride	**0.062**	**J**	0.10	0.026	mg/L			03/01/22 17:20	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 17:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:45	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:45	1
Barium	**0.019**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:45	1
Beryllium	**0.00078**	**J**	0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:45	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:45	1
Cadmium	**0.00064**	**J**	0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:45	1
Calcium	**2.0**		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:45	1
Chromium	**0.0030**		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:45	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:45	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:45	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:45	1
Nickel	**0.0017**		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:45	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:45	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:45	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:45	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:45	1
Zinc	**0.0046**	**J ^2**	0.0050	0.0029	mg/L		03/01/22 09:47	03/02/22 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**27**		10	10	mg/L			02/28/22 17:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.29**				SU			02/22/22 15:17	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-20

Date Collected: 02/22/22 17:00
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.7**		1.0	0.71	mg/L			03/01/22 17:45	1
Fluoride	**0.033**	**J**	0.10	0.026	mg/L			03/01/22 17:45	1
Sulfate	**1.4**		1.0	0.76	mg/L			03/01/22 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:49	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:49	1
Barium	**0.018**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:49	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:49	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:49	1
Calcium	**1.3**		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:49	1
Cobalt	**0.00090**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:49	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:49	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:49	1
Nickel	**0.00092**	**J**	0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:49	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:49	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:49	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:49	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:49	1
Zinc	**0.0034**	**J ^2**	0.0050	0.0029	mg/L		03/01/22 09:47	03/02/22 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**33**		10	10	mg/L			02/28/22 17:18	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.02**				SU			02/22/22 17:00	1

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

Job ID: 180-134224-1

Client Sample ID: DUP-1
Date Collected: 02/22/22 00:01
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.71	mg/L			03/01/22 19:00	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 19:00	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 19:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:53	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:53	1
Barium	**0.019**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:53	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:53	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:53	1
Calcium	**0.35**	**J**	0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:53	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:53	1
Cobalt	**0.00047**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:53	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:53	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:53	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:53	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:53	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:53	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:53	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:53	1
Zinc	**0.0074**		0.0050	0.0029	mg/L		03/01/22 09:47	03/03/22 13:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**18**		10	10	mg/L			02/28/22 17:18	1

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

Job ID: 180-134224-1

Client Sample ID: FB-1

Date Collected: 02/22/22 12:00
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/01/22 18:10	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 18:10	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 16:56	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 16:56	1
Barium	<0.0031		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 16:56	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 16:56	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 16:56	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 16:56	1
Calcium	<0.13		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 16:56	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 16:56	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 16:56	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 16:56	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 16:56	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 16:56	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 16:56	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 16:56	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 16:56	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 16:56	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:47	03/02/22 16:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/28/22 17:18	1

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

Job ID: 180-134224-1

Client Sample ID: EB-1

Date Collected: 02/22/22 16:20
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-11

Matrix: Water

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			03/01/22 18:35	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 18:35	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 18:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 17:07	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 17:07	1
Barium	<0.0031		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 17:07	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 17:07	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 17:07	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 17:07	1
Calcium	<0.13		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 17:07	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 17:07	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 17:07	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 17:07	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 17:07	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 17:07	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 17:07	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 17:07	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 17:07	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 17:07	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:47	03/02/22 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/28/22 17:28	1

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

Job ID: 180-134224-1

Client Sample ID: GWC-5

Date Collected: 02/22/22 16:19
Date Received: 02/24/22 12:30

Lab Sample ID: 180-134224-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.8**		1.0	0.71	mg/L			03/01/22 20:15	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 20:15	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 20:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 17:11	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 17:11	1
Barium	**0.041**		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 17:11	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 17:11	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 17:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 17:11	1
Calcium	**2.3**		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 17:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 17:11	1
Cobalt	**0.00076**	**J**	0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 17:11	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 17:11	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 17:11	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 17:11	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 17:11	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 17:11	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 17:11	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 17:11	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:47	03/02/22 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**21**		10	10	mg/L			02/28/22 17:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.34**				SU			02/22/22 16:19	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-1

Date Collected: 02/23/22 10:52
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.6**		1.0	0.71	mg/L			03/04/22 21:37	1
Fluoride	<0.026		0.10	0.026	mg/L			03/04/22 21:37	1
Sulfate	**1.6**		1.0	0.76	mg/L			03/04/22 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 12:53	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 12:53	1
Barium	**0.039**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 12:53	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 12:53	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 12:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 12:53	1
Calcium	**1.4**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 12:53	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 12:53	1
Cobalt	**0.0017**	**J**	0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 12:53	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 12:53	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 12:53	1
Nickel	**0.0012**		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 12:53	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 12:53	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 12:53	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 12:53	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 12:53	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 12:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**31**		10	10	mg/L			02/28/22 17:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.92**				SU			02/23/22 10:52	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-4A

Date Collected: 02/23/22 09:49
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.71	mg/L			03/04/22 21:23	1
Fluoride	<0.026		0.10	0.026	mg/L			03/04/22 21:23	1
Sulfate	**2.7**		1.0	0.76	mg/L			03/04/22 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:18	1
Arsenic	**0.00035**	**J**	0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:18	1
Barium	**0.015**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:18	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:18	1
Boron	**0.096**		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:18	1
Cadmium	**0.00024**	**J**	0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:18	1
Calcium	**0.35**	**J**	0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:18	1
Cobalt	**0.0013**	**J**	0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:18	1
Copper	**0.0012**	**J**	0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:18	1
Lead	**0.00019**	**J**	0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:18	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:18	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:18	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:18	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:18	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:18	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**21**		10	10	mg/L			02/28/22 17:28	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.80**				SU			02/23/22 09:49	1

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

Job ID: 180-134224-1

Client Sample ID: GWC-9

Date Collected: 02/23/22 16:27
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.9**		1.0	0.71	mg/L			03/04/22 22:45	1
Fluoride	**0.049**	**J**	0.10	0.026	mg/L			03/04/22 22:45	1
Sulfate	<0.76		1.0	0.76	mg/L			03/04/22 22:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:22	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:22	1
Barium	**0.026**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:22	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:22	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:22	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:22	1
Calcium	**1.0**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:22	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:22	1
Cobalt	**0.00064**	**J**	0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:22	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:22	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:22	1
Nickel	**0.00076**	**J**	0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:22	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:22	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:22	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:22	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:22	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**30**		10	10	mg/L			02/28/22 17:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.07**				SU			02/23/22 16:27	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-10

Date Collected: 02/23/22 14:52
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-4

Matrix: Water

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			03/04/22 22:59	1
Fluoride	**0.13**		0.10	0.026	mg/L			03/04/22 22:59	1
Sulfate	**3.4**		1.0	0.76	mg/L			03/04/22 22:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:26	1
Arsenic	**0.00048**	**J**	0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:26	1
Barium	**0.018**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:26	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:26	1
Boron	**0.069**	**J**	0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:26	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:26	1
Calcium	**22**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:26	1
Chromium	**0.0031**		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:26	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:26	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:26	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:26	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:26	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:26	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:26	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:26	1
Vanadium	**0.0011**		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:26	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**130**		10	10	mg/L			02/28/22 17:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.46**				SU			02/23/22 14:52	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-11

Date Collected: 02/23/22 12:34
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.8**		1.0	0.71	mg/L			03/04/22 23:12	1
Fluoride	**0.36**		0.10	0.026	mg/L			03/04/22 23:12	1
Sulfate	**2.9**		1.0	0.76	mg/L			03/04/22 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:29	1
Arsenic	**0.0013**		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:29	1
Barium	**0.010**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:29	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:29	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:29	1
Calcium	**8.1**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:29	1
Chromium	**0.0050**		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:29	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:29	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:29	1
Lead	**0.00017**	**J**	0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:29	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:29	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:29	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:29	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:29	1
Vanadium	**0.0013**		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:29	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**70**		10	10	mg/L			02/28/22 17:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.28**				SU			02/23/22 12:34	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-12

Date Collected: 02/23/22 13:15
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.1**		1.0	0.71	mg/L			03/04/22 23:26	1
Fluoride	**0.043**	**J**	0.10	0.026	mg/L			03/04/22 23:26	1
Sulfate	**1.1**		1.0	0.76	mg/L			03/04/22 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:33	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:33	1
Barium	**0.010**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:33	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:33	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:33	1
Calcium	**0.64**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:33	1
Chromium	**0.0016**	**J**	0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:33	1
Cobalt	**0.00049**	**J**	0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:33	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:33	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:33	1
Nickel	**0.0011**		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:33	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:33	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:33	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:33	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:33	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**16**		10	10	mg/L			02/28/22 17:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.10**				SU			02/23/22 13:15	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-18

Date Collected: 02/23/22 10:10
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		1.0	0.71	mg/L			03/04/22 23:39	1
Fluoride	**0.66**		0.10	0.026	mg/L			03/04/22 23:39	1
Sulfate	**4.5**		1.0	0.76	mg/L			03/04/22 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:36	1
Arsenic	**0.00098**	**J**	0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:36	1
Barium	**0.012**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:36	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:36	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:36	1
Calcium	**9.1**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:36	1
Chromium	**0.0025**		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:36	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:36	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:36	1
Lead	**0.00026**	**J**	0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:36	1
Nickel	**0.0010**		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:36	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:36	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:36	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:36	1
Vanadium	**0.0025**		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:36	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**54**		10	10	mg/L			02/28/22 17:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.20**				SU			02/23/22 10:10	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-19

Date Collected: 02/23/22 16:25
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.8**		1.0	0.71	mg/L			03/04/22 23:53	1
Fluoride	**0.11**		0.10	0.026	mg/L			03/04/22 23:53	1
Sulfate	**3.1**		1.0	0.76	mg/L			03/04/22 23:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:47	1
Arsenic	**0.00028**	**J**	0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:47	1
Barium	**0.010**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:47	1
Beryllium	**0.00031**	**J**	0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:47	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:47	1
Calcium	**6.3**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:47	1
Chromium	**0.0016**	**J**	0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:47	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:47	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:47	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:47	1
Nickel	**0.0011**		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:47	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:47	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:47	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:47	1
Vanadium	**0.00088**	**J**	0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:47	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**41**		10	10	mg/L			02/28/22 17:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.63**				SU			02/23/22 16:25	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-21

Date Collected: 02/23/22 16:04
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.3**		1.0	0.71	mg/L			03/05/22 00:07	1
Fluoride	**0.037**	**J**	0.10	0.026	mg/L			03/05/22 00:07	1
Sulfate	**1.0**		1.0	0.76	mg/L			03/05/22 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:51	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:51	1
Barium	**0.020**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:51	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:51	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:51	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:51	1
Calcium	**1.1**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:51	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:51	1
Cobalt	**0.00079**	**J**	0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:51	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:51	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:51	1
Nickel	**0.00071**	**J**	0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:51	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:51	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:51	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:51	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:51	1
Zinc	**0.0040**	**J ^2**	0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**26**		10	10	mg/L			02/28/22 17:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.87**				SU			02/23/22 16:04	1

Client Sample Results

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

Job ID: 180-134224-1

Client Sample ID: GWC-23

Date Collected: 02/23/22 14:17
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-10

Matrix: Water

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			03/05/22 00:20	1
Fluoride	**0.030**	**J**	0.10	0.026	mg/L			03/05/22 00:20	1
Sulfate	**2.4**		1.0	0.76	mg/L			03/05/22 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:55	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:55	1
Barium	**0.024**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:55	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:55	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:55	1
Calcium	**0.92**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:55	1
Chromium	**0.0028**		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:55	1
Cobalt	**0.0026**		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:55	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:55	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:55	1
Nickel	**0.0013**		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:55	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:55	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:55	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:55	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:55	1
Zinc	**0.017**		0.0050	0.0029	mg/L		03/01/22 09:50	03/03/22 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**23**		10	10	mg/L			02/28/22 17:34	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.11**				SU			02/23/22 14:17	1

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

Job ID: 180-134224-1

Client Sample ID: DUP-2
Date Collected: 02/23/22 00:01
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.4**	**F1**	1.0	0.71	mg/L			03/05/22 03:18	1
Fluoride	**0.13**	**F1**	0.10	0.026	mg/L			03/05/22 03:18	1
Sulfate	**3.4**	**F1**	1.0	0.76	mg/L			03/05/22 03:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 13:58	1
Arsenic	**0.00046**	**J**	0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 13:58	1
Barium	**0.018**		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 13:58	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 13:58	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 13:58	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 13:58	1
Calcium	**21**		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 13:58	1
Chromium	**0.0029**		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 13:58	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 13:58	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 13:58	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 13:58	1
Nickel	**0.00059**	**J**	0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 13:58	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 13:58	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 13:58	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 13:58	1
Vanadium	**0.0012**		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 13:58	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 13:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**130**		10	10	mg/L			02/28/22 17:34	1

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

Job ID: 180-134224-1

Client Sample ID: FB-2

Date Collected: 02/23/22 10:53
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-12

Matrix: Water

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			03/05/22 00:34	1
Fluoride	**0.031**	**J**	0.10	0.026	mg/L			03/05/22 00:34	1
Sulfate	<0.76		1.0	0.76	mg/L			03/05/22 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 14:02	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 14:02	1
Barium	<0.0031		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 14:02	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 14:02	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 14:02	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 14:02	1
Calcium	<0.13		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 14:02	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 14:02	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 14:02	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 14:02	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 14:02	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 14:02	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 14:02	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 14:02	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 14:02	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 14:02	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 14:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/28/22 17:34	1

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

Job ID: 180-134224-1

Client Sample ID: EB-2

Date Collected: 02/23/22 13:45
Date Received: 02/26/22 10:00

Lab Sample ID: 180-134312-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/05/22 04:26	1
Fluoride	**0.053**	**J**	0.10	0.026	mg/L			03/05/22 04:26	1
Sulfate	<0.76		1.0	0.76	mg/L			03/05/22 04:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 14:06	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 14:06	1
Barium	<0.0031		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 14:06	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 14:06	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 14:06	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 14:06	1
Calcium	<0.13		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 14:06	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 14:06	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 14:06	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 14:06	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 14:06	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 14:06	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 14:06	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 14:06	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 14:06	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 14:06	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 14:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/28/22 17:34	1

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

Lab Sample ID: MB 180-389895/7
Matrix: Water
Analysis Batch: 389895

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			03/01/22 12:32	1
Fluoride	<0.026		0.10	0.026	mg/L			03/01/22 12:32	1
Sulfate	<0.76		1.0	0.76	mg/L			03/01/22 12:32	1

Lab Sample ID: LCS 180-389895/6
Matrix: Water
Analysis Batch: 389895

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	49.8		mg/L		100	90 - 110
Fluoride	2.50	2.52		mg/L		101	90 - 110
Sulfate	50.0	50.6		mg/L		101	90 - 110

Lab Sample ID: 180-134224-1 MS
Matrix: Water
Analysis Batch: 389895

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.6		50.0	52.9		mg/L		97	90 - 110
Fluoride	<0.026		2.50	2.44		mg/L		98	90 - 110
Sulfate	<0.76		50.0	49.4		mg/L		99	90 - 110

Lab Sample ID: 180-134224-1 MSD
Matrix: Water
Analysis Batch: 389895

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.6		50.0	53.2		mg/L		97	90 - 110	1	20
Fluoride	<0.026		2.50	2.46		mg/L		99	90 - 110	1	20
Sulfate	<0.76		50.0	49.9		mg/L		100	90 - 110	1	20

Lab Sample ID: 180-134224-9 MS
Matrix: Water
Analysis Batch: 389895

Client Sample ID: DUP-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.7		50.0	52.4		mg/L		97	90 - 110
Fluoride	<0.026		2.50	2.45		mg/L		98	90 - 110
Sulfate	<0.76		50.0	49.9		mg/L		100	90 - 110

Lab Sample ID: 180-134224-9 MSD
Matrix: Water
Analysis Batch: 389895

Client Sample ID: DUP-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3.7		50.0	52.5		mg/L		98	90 - 110	0	20
Fluoride	<0.026		2.50	2.46		mg/L		98	90 - 110	0	20
Sulfate	<0.76		50.0	50.2		mg/L		100	90 - 110	0	20

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

Lab Sample ID: MB 180-390373/50
Matrix: Water
Analysis Batch: 390373

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			03/05/22 03:04	1
Fluoride	<0.026		0.10	0.026	mg/L			03/05/22 03:04	1
Sulfate	<0.76		1.0	0.76	mg/L			03/05/22 03:04	1

Lab Sample ID: MB 180-390373/7
Matrix: Water
Analysis Batch: 390373

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			03/04/22 17:09	1
Fluoride	<0.026		0.10	0.026	mg/L			03/04/22 17:09	1
Sulfate	<0.76		1.0	0.76	mg/L			03/04/22 17:09	1

Lab Sample ID: LCS 180-390373/49
Matrix: Water
Analysis Batch: 390373

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.2		mg/L		100	90 - 110
Fluoride	2.50	2.64		mg/L		105	90 - 110
Sulfate	50.0	50.7		mg/L		101	90 - 110

Lab Sample ID: LCS 180-390373/6
Matrix: Water
Analysis Batch: 390373

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.2		mg/L		98	90 - 110
Fluoride	2.50	2.59		mg/L		103	90 - 110
Sulfate	50.0	49.7		mg/L		99	90 - 110

Lab Sample ID: 180-134312-1 MS
Matrix: Water
Analysis Batch: 390373

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.6		50.0	51.4		mg/L		92	90 - 110
Fluoride	<0.026		2.50	2.37		mg/L		95	90 - 110
Sulfate	1.6		50.0	48.8		mg/L		94	90 - 110

Lab Sample ID: 180-134312-1 MSD
Matrix: Water
Analysis Batch: 390373

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.6		50.0	57.0		mg/L		103	90 - 110	10	20
Fluoride	<0.026		2.50	2.61		mg/L		104	90 - 110	10	20
Sulfate	1.6		50.0	53.4		mg/L		104	90 - 110	9	20

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

Lab Sample ID: 180-134312-11 MS
Matrix: Water
Analysis Batch: 390373

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.4	F1	50.0	63.1	F1	mg/L		113	90 - 110
Fluoride	0.13	F1	2.50	3.00	F1	mg/L		115	90 - 110
Sulfate	3.4	F1	50.0	60.3	F1	mg/L		114	90 - 110

Lab Sample ID: 180-134312-11 MSD
Matrix: Water
Analysis Batch: 390373

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.4	F1	50.0	60.8		mg/L		109	90 - 110	4	20
Fluoride	0.13	F1	2.50	2.91	F1	mg/L		111	90 - 110	3	20
Sulfate	3.4	F1	50.0	58.0		mg/L		109	90 - 110	4	20

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

Lab Sample ID: MB 180-389897/1-A
Matrix: Water
Analysis Batch: 390197

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 389897

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/01/22 09:47	03/02/22 14:42	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:47	03/02/22 14:42	1
Barium	<0.0031		0.010	0.0031	mg/L		03/01/22 09:47	03/02/22 14:42	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:47	03/02/22 14:42	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:47	03/02/22 14:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:47	03/02/22 14:42	1
Calcium	<0.13		0.50	0.13	mg/L		03/01/22 09:47	03/02/22 14:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:47	03/02/22 14:42	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:47	03/02/22 14:42	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:47	03/02/22 14:42	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:47	03/02/22 14:42	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:47	03/02/22 14:42	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:47	03/02/22 14:42	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:47	03/02/22 14:42	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:47	03/02/22 14:42	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:47	03/02/22 14:42	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:47	03/02/22 14:42	1

Lab Sample ID: LCS 180-389897/2-A
Matrix: Water
Analysis Batch: 390197

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 389897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.245		mg/L		98	80 - 120
Arsenic	1.00	0.938		mg/L		94	80 - 120
Barium	1.00	0.963		mg/L		96	80 - 120
Beryllium	0.500	0.505		mg/L		101	80 - 120
Boron	1.25	1.18		mg/L		95	80 - 120
Cadmium	0.500	0.492		mg/L		98	80 - 120

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

Lab Sample ID: LCS 180-389897/2-A
Matrix: Water
Analysis Batch: 390197

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 389897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	25.0	25.3		mg/L		101	80 - 120
Chromium	0.500	0.492		mg/L		98	80 - 120
Cobalt	0.500	0.482		mg/L		96	80 - 120
Copper	0.500	0.472		mg/L		94	80 - 120
Lead	0.500	0.494		mg/L		99	80 - 120
Nickel	0.500	0.489		mg/L		98	80 - 120
Selenium	1.00	0.970		mg/L		97	80 - 120
Silver	0.250	0.241		mg/L		96	80 - 120
Thallium	1.00	1.03		mg/L		103	80 - 120
Vanadium	0.500	0.490		mg/L		98	80 - 120
Zinc	0.250	0.242		mg/L		97	80 - 120

Lab Sample ID: MB 180-389898/1-A
Matrix: Water
Analysis Batch: 390197

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 389898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.000563	J	0.0020	0.00051	mg/L		03/01/22 09:50	03/02/22 12:35	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/01/22 09:50	03/02/22 12:35	1
Barium	<0.0031		0.010	0.0031	mg/L		03/01/22 09:50	03/02/22 12:35	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/01/22 09:50	03/02/22 12:35	1
Boron	<0.060		0.080	0.060	mg/L		03/01/22 09:50	03/02/22 12:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/01/22 09:50	03/02/22 12:35	1
Calcium	<0.13		0.50	0.13	mg/L		03/01/22 09:50	03/02/22 12:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/01/22 09:50	03/02/22 12:35	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/01/22 09:50	03/02/22 12:35	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/01/22 09:50	03/02/22 12:35	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/01/22 09:50	03/02/22 12:35	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/01/22 09:50	03/02/22 12:35	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/01/22 09:50	03/02/22 12:35	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/01/22 09:50	03/02/22 12:35	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/01/22 09:50	03/02/22 12:35	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/01/22 09:50	03/02/22 12:35	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/01/22 09:50	03/02/22 12:35	1

Lab Sample ID: LCS 180-389898/2-A
Matrix: Water
Analysis Batch: 390197

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 389898

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	0.964		mg/L		96	80 - 120
Barium	1.00	0.981		mg/L		98	80 - 120
Beryllium	0.500	0.513		mg/L		103	80 - 120
Boron	1.25	1.16		mg/L		93	80 - 120
Cadmium	0.500	0.495		mg/L		99	80 - 120
Calcium	25.0	25.5		mg/L		102	80 - 120
Chromium	0.500	0.489		mg/L		98	80 - 120
Cobalt	0.500	0.490		mg/L		98	80 - 120

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

Lab Sample ID: LCS 180-389898/2-A
Matrix: Water
Analysis Batch: 390197

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 389898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	0.500	0.474		mg/L		95	80 - 120
Lead	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.495		mg/L		99	80 - 120
Selenium	1.00	0.974		mg/L		97	80 - 120
Silver	0.250	0.240		mg/L		96	80 - 120
Thallium	1.00	1.03		mg/L		103	80 - 120
Vanadium	0.500	0.489		mg/L		98	80 - 120
Zinc	0.250	0.244		mg/L		97	80 - 120

Lab Sample ID: 180-134312-1 MS
Matrix: Water
Analysis Batch: 390197

Client Sample ID: GWC-1
Prep Type: Total Recoverable
Prep Batch: 389898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00051		0.250	0.250		mg/L		100	75 - 125
Arsenic	<0.00028		1.00	0.947		mg/L		95	75 - 125
Barium	0.039		1.00	1.01		mg/L		97	75 - 125
Beryllium	<0.00027		0.500	0.515		mg/L		103	75 - 125
Boron	<0.060		1.25	1.21		mg/L		97	75 - 125
Cadmium	<0.00022		0.500	0.496		mg/L		99	75 - 125
Calcium	1.4		25.0	26.7		mg/L		101	75 - 125
Chromium	<0.0015		0.500	0.497		mg/L		99	75 - 125
Cobalt	0.0017	J	0.500	0.486		mg/L		97	75 - 125
Copper	<0.0011		0.500	0.474		mg/L		95	75 - 125
Lead	<0.00017		0.500	0.497		mg/L		99	75 - 125
Nickel	0.0012		0.500	0.492		mg/L		98	75 - 125
Selenium	<0.00074		1.00	0.970		mg/L		97	75 - 125
Silver	<0.00022		0.250	0.242		mg/L		97	75 - 125
Thallium	<0.00047		1.00	1.04		mg/L		104	75 - 125
Vanadium	<0.00078		0.500	0.495		mg/L		99	75 - 125
Zinc	<0.0029		0.250	0.244		mg/L		98	75 - 125

Lab Sample ID: 180-134312-1 MSD
Matrix: Water
Analysis Batch: 390197

Client Sample ID: GWC-1
Prep Type: Total Recoverable
Prep Batch: 389898

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00051		0.250	0.245		mg/L		98	75 - 125	2	20
Arsenic	<0.00028		1.00	0.940		mg/L		94	75 - 125	1	20
Barium	0.039		1.00	0.997		mg/L		96	75 - 125	1	20
Beryllium	<0.00027		0.500	0.507		mg/L		101	75 - 125	2	20
Boron	<0.060		1.25	1.23		mg/L		99	75 - 125	2	20
Cadmium	<0.00022		0.500	0.490		mg/L		98	75 - 125	1	20
Calcium	1.4		25.0	26.6		mg/L		101	75 - 125	0	20
Chromium	<0.0015		0.500	0.482		mg/L		96	75 - 125	3	20
Cobalt	0.0017	J	0.500	0.480		mg/L		96	75 - 125	1	20
Copper	<0.0011		0.500	0.468		mg/L		94	75 - 125	1	20
Lead	<0.00017		0.500	0.488		mg/L		98	75 - 125	2	20
Nickel	0.0012		0.500	0.485		mg/L		97	75 - 125	1	20

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

Lab Sample ID: 180-134312-1 MSD
Matrix: Water
Analysis Batch: 390197

Client Sample ID: GWC-1
Prep Type: Total Recoverable
Prep Batch: 389898

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Selenium	<0.00074		1.00	0.959		mg/L		96	75 - 125	1	20
Silver	<0.00022		0.250	0.242		mg/L		97	75 - 125	0	20
Thallium	<0.00047		1.00	1.02		mg/L		102	75 - 125	2	20
Vanadium	<0.00078		0.500	0.480		mg/L		96	75 - 125	3	20
Zinc	<0.0029		0.250	0.243		mg/L		97	75 - 125	0	20

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

Lab Sample ID: MB 180-389840/2
Matrix: Water
Analysis Batch: 389840

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			02/28/22 17:18	1

Lab Sample ID: LCS 180-389840/1
Matrix: Water
Analysis Batch: 389840

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	469	468		mg/L		100	85 - 115

Lab Sample ID: 180-134224-1 DU
Matrix: Water
Analysis Batch: 389840

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	27		25.0		mg/L		8	10

Lab Sample ID: MB 180-389842/2
Matrix: Water
Analysis Batch: 389842

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			02/28/22 17:28	1

Lab Sample ID: LCS 180-389842/1
Matrix: Water
Analysis Batch: 389842

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	469	456		mg/L		97	85 - 115

Lab Sample ID: 180-134224-11 DU
Matrix: Water
Analysis Batch: 389842

Client Sample ID: EB-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10		<10		mg/L		NC	10

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

Lab Sample ID: MB 180-389843/2
Matrix: Water
Analysis Batch: 389843

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			02/28/22 17:34	1

Lab Sample ID: LCS 180-389843/1
Matrix: Water
Analysis Batch: 389843

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			469	454		mg/L		97	85 - 115		

Lab Sample ID: 180-134312-9 DU
Matrix: Water
Analysis Batch: 389843

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	26			25.0		mg/L				4	10

HPLC/IC

Analysis Batch: 389895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134224-1	GWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-134224-2	GWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-134224-3	GWA-13	Total/NA	Water	EPA 300.0 R2.1	
180-134224-4	GWA-14	Total/NA	Water	EPA 300.0 R2.1	
180-134224-5	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-134224-6	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-134224-7	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-134224-8	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-134224-9	DUP-1	Total/NA	Water	EPA 300.0 R2.1	
180-134224-10	FB-1	Total/NA	Water	EPA 300.0 R2.1	
180-134224-11	EB-1	Total/NA	Water	EPA 300.0 R2.1	
180-134224-12	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
MB 180-389895/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-389895/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-134224-1 MS	GWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-134224-1 MSD	GWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-134224-9 MS	DUP-1	Total/NA	Water	EPA 300.0 R2.1	
180-134224-9 MSD	DUP-1	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 390373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134312-1	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-134312-2	GWC-4A	Total/NA	Water	EPA 300.0 R2.1	
180-134312-3	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-134312-4	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-134312-5	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-134312-6	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-134312-7	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-134312-8	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-134312-9	GWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-134312-10	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-134312-11	DUP-2	Total/NA	Water	EPA 300.0 R2.1	
180-134312-12	FB-2	Total/NA	Water	EPA 300.0 R2.1	
180-134312-13	EB-2	Total/NA	Water	EPA 300.0 R2.1	
MB 180-390373/50	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-390373/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-390373/49	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-390373/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-134312-1 MS	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-134312-1 MSD	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-134312-11 MS	DUP-2	Total/NA	Water	EPA 300.0 R2.1	
180-134312-11 MSD	DUP-2	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 389897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134224-1	GWA-2	Total Recoverable	Water	3005A	
180-134224-2	GWA-3	Total Recoverable	Water	3005A	
180-134224-3	GWA-13	Total Recoverable	Water	3005A	
180-134224-4	GWA-14	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 389897 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134224-5	GWA-16	Total Recoverable	Water	3005A	
180-134224-6	GWC-15	Total Recoverable	Water	3005A	
180-134224-7	GWC-17	Total Recoverable	Water	3005A	
180-134224-8	GWC-20	Total Recoverable	Water	3005A	
180-134224-9	DUP-1	Total Recoverable	Water	3005A	
180-134224-10	FB-1	Total Recoverable	Water	3005A	
180-134224-11	EB-1	Total Recoverable	Water	3005A	
180-134224-12	GWC-5	Total Recoverable	Water	3005A	
MB 180-389897/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-389897/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 389898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134312-1	GWC-1	Total Recoverable	Water	3005A	
180-134312-2	GWC-4A	Total Recoverable	Water	3005A	
180-134312-3	GWC-9	Total Recoverable	Water	3005A	
180-134312-4	GWC-10	Total Recoverable	Water	3005A	
180-134312-5	GWC-11	Total Recoverable	Water	3005A	
180-134312-6	GWC-12	Total Recoverable	Water	3005A	
180-134312-7	GWC-18	Total Recoverable	Water	3005A	
180-134312-8	GWC-19	Total Recoverable	Water	3005A	
180-134312-9	GWC-21	Total Recoverable	Water	3005A	
180-134312-10	GWC-23	Total Recoverable	Water	3005A	
180-134312-11	DUP-2	Total Recoverable	Water	3005A	
180-134312-12	FB-2	Total Recoverable	Water	3005A	
180-134312-13	EB-2	Total Recoverable	Water	3005A	
MB 180-389898/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-389898/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-134312-1 MS	GWC-1	Total Recoverable	Water	3005A	
180-134312-1 MSD	GWC-1	Total Recoverable	Water	3005A	

Analysis Batch: 390197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134224-1	GWA-2	Total Recoverable	Water	EPA 6020B	389897
180-134224-2	GWA-3	Total Recoverable	Water	EPA 6020B	389897
180-134224-3	GWA-13	Total Recoverable	Water	EPA 6020B	389897
180-134224-4	GWA-14	Total Recoverable	Water	EPA 6020B	389897
180-134224-5	GWA-16	Total Recoverable	Water	EPA 6020B	389897
180-134224-6	GWC-15	Total Recoverable	Water	EPA 6020B	389897
180-134224-7	GWC-17	Total Recoverable	Water	EPA 6020B	389897
180-134224-8	GWC-20	Total Recoverable	Water	EPA 6020B	389897
180-134224-9	DUP-1	Total Recoverable	Water	EPA 6020B	389897
180-134224-10	FB-1	Total Recoverable	Water	EPA 6020B	389897
180-134224-11	EB-1	Total Recoverable	Water	EPA 6020B	389897
180-134224-12	GWC-5	Total Recoverable	Water	EPA 6020B	389897
180-134312-1	GWC-1	Total Recoverable	Water	EPA 6020B	389898
180-134312-2	GWC-4A	Total Recoverable	Water	EPA 6020B	389898
180-134312-3	GWC-9	Total Recoverable	Water	EPA 6020B	389898
180-134312-4	GWC-10	Total Recoverable	Water	EPA 6020B	389898
180-134312-5	GWC-11	Total Recoverable	Water	EPA 6020B	389898
180-134312-6	GWC-12	Total Recoverable	Water	EPA 6020B	389898

Metals (Continued)

Analysis Batch: 390197 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134312-7	GWC-18	Total Recoverable	Water	EPA 6020B	389898
180-134312-8	GWC-19	Total Recoverable	Water	EPA 6020B	389898
180-134312-9	GWC-21	Total Recoverable	Water	EPA 6020B	389898
180-134312-10	GWC-23	Total Recoverable	Water	EPA 6020B	389898
180-134312-11	DUP-2	Total Recoverable	Water	EPA 6020B	389898
180-134312-12	FB-2	Total Recoverable	Water	EPA 6020B	389898
180-134312-13	EB-2	Total Recoverable	Water	EPA 6020B	389898
MB 180-389897/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	389897
MB 180-389898/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	389898
LCS 180-389897/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	389897
LCS 180-389898/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	389898
180-134312-1 MS	GWC-1	Total Recoverable	Water	EPA 6020B	389898
180-134312-1 MSD	GWC-1	Total Recoverable	Water	EPA 6020B	389898

Analysis Batch: 390347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134224-1	GWA-2	Total Recoverable	Water	EPA 6020B	389897
180-134224-4	GWA-14	Total Recoverable	Water	EPA 6020B	389897
180-134224-5	GWA-16	Total Recoverable	Water	EPA 6020B	389897
180-134224-6	GWC-15	Total Recoverable	Water	EPA 6020B	389897
180-134224-9	DUP-1	Total Recoverable	Water	EPA 6020B	389897
180-134312-10	GWC-23	Total Recoverable	Water	EPA 6020B	389898

General Chemistry

Analysis Batch: 389840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134224-1	GWA-2	Total/NA	Water	SM 2540C	
180-134224-2	GWA-3	Total/NA	Water	SM 2540C	
180-134224-3	GWA-13	Total/NA	Water	SM 2540C	
180-134224-4	GWA-14	Total/NA	Water	SM 2540C	
180-134224-5	GWA-16	Total/NA	Water	SM 2540C	
180-134224-6	GWC-15	Total/NA	Water	SM 2540C	
180-134224-7	GWC-17	Total/NA	Water	SM 2540C	
180-134224-8	GWC-20	Total/NA	Water	SM 2540C	
180-134224-9	DUP-1	Total/NA	Water	SM 2540C	
180-134224-10	FB-1	Total/NA	Water	SM 2540C	
MB 180-389840/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-389840/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-134224-1 DU	GWA-2	Total/NA	Water	SM 2540C	

Analysis Batch: 389842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134224-11	EB-1	Total/NA	Water	SM 2540C	
180-134224-12	GWC-5	Total/NA	Water	SM 2540C	
180-134312-1	GWC-1	Total/NA	Water	SM 2540C	
180-134312-2	GWC-4A	Total/NA	Water	SM 2540C	
MB 180-389842/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-389842/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-134224-11 DU	EB-1	Total/NA	Water	SM 2540C	

QC Association Summary

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

Job ID: 180-134224-1

General Chemistry

Analysis Batch: 389843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134312-3	GWC-9	Total/NA	Water	SM 2540C	
180-134312-4	GWC-10	Total/NA	Water	SM 2540C	
180-134312-5	GWC-11	Total/NA	Water	SM 2540C	
180-134312-6	GWC-12	Total/NA	Water	SM 2540C	
180-134312-7	GWC-18	Total/NA	Water	SM 2540C	
180-134312-8	GWC-19	Total/NA	Water	SM 2540C	
180-134312-9	GWC-21	Total/NA	Water	SM 2540C	
180-134312-10	GWC-23	Total/NA	Water	SM 2540C	
180-134312-11	DUP-2	Total/NA	Water	SM 2540C	
180-134312-12	FB-2	Total/NA	Water	SM 2540C	
180-134312-13	EB-2	Total/NA	Water	SM 2540C	
MB 180-389843/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-389843/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-134312-9 DU	GWC-21	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 390456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134224-1	GWA-2	Total/NA	Water	Field Sampling	
180-134224-2	GWA-3	Total/NA	Water	Field Sampling	
180-134224-3	GWA-13	Total/NA	Water	Field Sampling	
180-134224-4	GWA-14	Total/NA	Water	Field Sampling	
180-134224-5	GWA-16	Total/NA	Water	Field Sampling	
180-134224-6	GWC-15	Total/NA	Water	Field Sampling	
180-134224-7	GWC-17	Total/NA	Water	Field Sampling	
180-134224-8	GWC-20	Total/NA	Water	Field Sampling	
180-134224-12	GWC-5	Total/NA	Water	Field Sampling	

Analysis Batch: 390471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134312-1	GWC-1	Total/NA	Water	Field Sampling	
180-134312-2	GWC-4A	Total/NA	Water	Field Sampling	
180-134312-3	GWC-9	Total/NA	Water	Field Sampling	
180-134312-4	GWC-10	Total/NA	Water	Field Sampling	
180-134312-5	GWC-11	Total/NA	Water	Field Sampling	
180-134312-6	GWC-12	Total/NA	Water	Field Sampling	
180-134312-7	GWC-18	Total/NA	Water	Field Sampling	
180-134312-8	GWC-19	Total/NA	Water	Field Sampling	
180-134312-9	GWC-21	Total/NA	Water	Field Sampling	
180-134312-10	GWC-23	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

eurc

Client Information	Sampler: T. Goble / T. Johnson	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5994	E-Mail: shali.brown@eurofinset.com		Page: 1 of
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days): Standard			
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#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
M - Hexan
N - None
O - AsNaO2
...O4S
...SO3
...2O3
...4
...odecahydrate
...ne
...pecify)

180-134224 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III Metals: B, Ca	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Custom State 15 Permit Metals (EPA 6020): Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Ni,Se,Ag,Tl,V,Zn	Total Number of	Special Instructions/Note: APP III plus 15 State Metals
			Preservation Code:				D	I	D		
GWA-2	2-22-22	1357	G	W	N	N	✓	✓	✓	2	pH = 4.69
GWA-3	2-22-22	1014	G	W	N	N	✓	✓	✓	2	pH = 4.90
GWA-13	2-22-22	1439	G	W	N	N	✓	✓	✓	2	pH = 4.91
GWA-14	2-22-22	1140	G	W	N	N	✓	✓	✓	2	pH = 5.20
GWA-16	2-22-22	1017	G	W	N	N	✓	✓	✓	2	pH = 4.98
GWC-15	2-22-22	1309	G	W	N	N	✓	✓	✓	2	pH = 5.15
GWC-17	2-22-22	1517	G	W	N	N	✓	✓	✓	2	pH = 5.29
GWC-20	2-22-22	1700	G	W	N	N	✓	✓	✓	2	pH = 5.02
Dup-1	2-22-22	—	G	W	N	N	✓	✓	✓	2	pH = —
EB-1	2-22-22	1200	G	W	N	N	✓	✓	✓	2	pH = —
EB-1	2-22-22	1620	G	W	N	N	✓	✓	✓	2	—

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ 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:	Company	Received by:	Date/Time:	Company
1		2/23/22 0959	ACC		2/23/22 0959	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 8/8/2019

3/9/2022

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: T. Goble/T. Johnson	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: GA Power				Job #:

Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Atlanta	TAT Requested (days): Standard		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: GA, 30308			
Phone: 404-506-7116(Tel)	PO #:		Other:
Email: SCS Contacts	WO #:		
Project Name: Plant McIntosh Landfill #4	Project #: 18019955		
Site: Georgia	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III Metals: B, Ca	Cl, F, SO4 & TDS (EPA 300.0 & SM 2540C)	Custom State 15 Permit Metals (EPA 6020): Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Ni,Se,Ag,Tl,V,Zn	Total Number of containers	Special Instructions/Note: APP III plus 15 State Metals
			Preservation Code:				D	I	D		
GWC-5	2-22-22	1619	G	W	N	N	✓	✓	✓	2	pH = 5.34
											pH =
											pH =
											pH =
											pH =
											pH =
											pH =
											pH =
											pH =
											pH =

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ 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:	Company	Received by:	Date/Time:	Company
	2/23/22 0959	Acc		2/23/22 0959	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

244- ATLANTA

Eurofins | Environment Testing America

Client Information	Sampler: T. Gable/T. Johnson	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: shali.brown@eurofinset.com		Page: 1 of 2
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
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#:			Other:

180-134312 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III Metals: B, Ca	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Custom State 15 Permit Metals (EPA 6020): Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Ni,Se,Ag,Tl,V,Zn										Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	I	D											APP III plus 15 State Metals
GWC-1	2-23-22	1052	G	W	N	N	✓	✓	✓										2	pH = 4.92
GWC-4A	2-23-22	0949	G	W	N	N	✓	✓	✓										2	pH = 4.80
GWC-9	2-23-22	1627	G	W	N	N	✓	✓	✓										2	pH = 5.07
GWC-10	2-23-22	1452	G	W	N	N	✓	✓	✓										2	pH = 6.46
GWC-11	2-23-22	1234	G	W	N	N	✓	✓	✓										2	pH = 6.24
GWC-12	2-23-22	1315	G	W	N	N	✓	✓	✓										2	pH = 5.10
GWC-18	2-23-22	1010	G	W	N	N	✓	✓	✓										2	pH = 6.20
GWC-19	2-23-22	1625	G	W	N	N	✓	✓	✓										2	pH = 5.63
GWC-21	2-23-22	1604	G	W	N	N	✓	✓	✓										2	pH = 4.87
GWC-23	2-23-22	1417	G	W	N	N	✓	✓	✓										2	pH = 5.11
Dup-2	2-23-22	—	G	W	N	N	✓	✓	✓										2	—

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ 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:	Company	Received by:	Date/Time:	Company
	2/24/22 1320			2/24/22 13:20	ES
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
2/24/22	16:00	ES		2-26-22	EST ATL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				1000	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 8/8/2019

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

244- ATLANTA

eurofins | Environment Testing America

Client Information	Sampler: T. Goble/T.Johnson	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: shali.brown@eurofinset.com		Page: 2 of 2
Company: GA Power		Analysis Requested		Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
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#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III Metals: B, Ca	Cl, F, SO4 & TDS (EPA 300.0 & SM 2540C)	Custom State 15 Permit Metals (EPA 6020): Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Ni,Se,Ag,Tl,V,Zn	Total Number of containers	Special Instructions/Note: APP III plus 15 State Metals
			Preservation Code:				D	I	D		
FB-2	2-23-22	1053	G	W	N	N	✓	✓	✓	2	pH = —
EB-2	2-23-22	1345	G	W	N	N	✓	✓	✓	2	pH = —
											pH =
											pH =
											pH =
											pH =
											pH =
											pH =
											pH =
											pH =

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *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:	Company	Received by:	Date/Time:	Company
[signature]	2/24/22 1320		[signature] 13:20	2/24/22	[illegible]
[signature] 2/24/22	1600	ETA	[signature]	2-26-22	EETALL
		Company	Received by:	Date/Time: 1000	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 8/8/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-134224-1

Login Number: 134224
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-134224-1

Login Number: 134312
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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 Landfill No. 4

Semiannual Event

February 2022

Georgia Power Company – McIntosh Landfill 4

Quality Control Review of Analytical Data – February 2022

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins Environment Testing America, Pittsburgh for groundwater samples collected at McIntosh LF4 between February 22, 2022 and February 23, 2022. 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 Code of Federal Regulations (CFR), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), 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)[1] and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)[2]. 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 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.

Accuracy: Laboratory goals for accuracy were met.

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. No sample qualifications were required.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from McIntosh LF4 sampled between February 22, 2022 and February 23, 2022 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

[1]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

[2]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 – February 2022

						Analyses		
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B)	Anions (300.0)	TDS (SM 2540C)
134224	GWA-2	2/22/2022	180-134224-1	GW		X	X	X
134224	GWA-3	2/22/2022	180-134224-2	GW		X	X	X
134224	GWA-13	2/22/2022	180-134224-3	GW		X	X	X
134224	GWA-14	2/22/2022	180-134224-4	GW		X	X	X
134224	GWA-16	2/22/2022	180-134224-5	GW		X	X	X
134224	GWC-15	2/22/2022	180-134224-6	GW		X	X	X
134224	GWC-17	2/22/2022	180-134224-7	GW		X	X	X
134224	GWC-20	2/22/2022	180-134224-8	GW		X	X	X
134224	DUP-1	2/22/2022	180-134224-9	GW	FD (GWA-13)	X	X	X
134224	FB-1	2/22/2022	180-134224-10	WQ	FB	X	X	X
134224	EB-1	2/22/2022	180-134224-11	WQ	EB	X	X	X
134224	GWC-5	2/22/2022	180-134224-12	GW		X	X	X
134224	GWC-1	2/23/2022	180-134312-1	GW		X	X	X
134224	GWC-4A	2/23/2022	180-134312-2	GW		X	X	X
134224	GWC-9	2/23/2022	180-134312-3	GW		X	X	X
134224	GWC-10	2/23/2022	180-134312-4	GW		X	X	X
134224	GWC-11	2/23/2022	180-134312-5	GW		X	X	X
134224	GWC-12	2/23/2022	180-134312-6	GW		X	X	X
134224	GWC-18	2/23/2022	180-134312-7	GW		X	X	X
134224	GWC-19	2/23/2022	180-134312-8	GW		X	X	X
134224	GWC-21	2/23/2022	180-134312-9	GW		X	X	X
134224	GWC-23	2/23/2022	180-134312-10	GW		X	X	X
134224	DUP-2	2/23/2022	180-134312-11	GW	FD (GWC-10)	X	X	X
134224	FB-2	2/23/2022	180-134312-12	WQ	FB	X	X	X
134224	EB-2	2/23/2022	180-134312-13	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

Low-Flow Test Report:

Test Date / Time: 2/22/2022 10:55:19 AM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.47 ft** **Total Depth: 28.47 ft** **Initial Depth to Water: 17.45 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 18101.666 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sample collected at 1357, sunny 70s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/22/2022 10:55 AM	00:00	4.74 pH	22.31 °C	32.32 µS/cm	4.68 mg/L	30.00 NTU	161.5 mV	17.45 ft	100.00 ml/min
2/22/2022 11:00 AM	05:00	4.70 pH	20.80 °C	33.04 µS/cm	4.01 mg/L	23.80 NTU	120.6 mV	17.50 ft	100.00 ml/min
2/22/2022 11:05 AM	10:00	4.69 pH	20.66 °C	33.15 µS/cm	3.97 mg/L	22.10 NTU	153.4 mV	17.50 ft	100.00 ml/min
2/22/2022 11:10 AM	15:00	4.68 pH	20.35 °C	33.31 µS/cm	3.92 mg/L	18.70 NTU	111.9 mV	17.50 ft	100.00 ml/min
2/22/2022 11:15 AM	20:00	4.70 pH	20.68 °C	33.39 µS/cm	3.89 mg/L	18.50 NTU	111.2 mV	17.50 ft	100.00 ml/min
2/22/2022 11:20 AM	25:00	4.66 pH	20.69 °C	33.47 µS/cm	3.84 mg/L	17.20 NTU	110.6 mV	17.50 ft	100.00 ml/min
2/22/2022 11:25 AM	30:00	4.69 pH	20.59 °C	33.41 µS/cm	3.90 mg/L	17.70 NTU	149.0 mV	17.50 ft	100.00 ml/min
2/22/2022 11:30 AM	35:00	4.67 pH	20.75 °C	33.39 µS/cm	3.79 mg/L	15.30 NTU	152.0 mV	17.50 ft	100.00 ml/min
2/22/2022 11:35 AM	40:00	4.68 pH	20.91 °C	33.67 µS/cm	3.90 mg/L	14.60 NTU	107.9 mV	17.50 ft	100.00 ml/min
2/22/2022 11:40 AM	45:00	4.84 pH	20.75 °C	32.73 µS/cm	5.45 mg/L	14.20 NTU	116.0 mV	17.50 ft	100.00 ml/min
2/22/2022 11:45 AM	50:00	4.71 pH	20.92 °C	33.00 µS/cm	3.84 mg/L	14.30 NTU	151.6 mV	17.50 ft	100.00 ml/min
2/22/2022 11:50 AM	55:00	4.69 pH	20.78 °C	32.91 µS/cm	3.93 mg/L	15.10 NTU	112.5 mV	17.50 ft	100.00 ml/min
2/22/2022 11:55 AM	01:00:00	4.69 pH	21.24 °C	32.98 µS/cm	3.73 mg/L	15.60 NTU	149.4 mV	17.50 ft	100.00 ml/min
2/22/2022 12:00 PM	01:05:00	4.68 pH	21.47 °C	33.03 µS/cm	3.86 mg/L	15.10 NTU	107.6 mV	17.50 ft	100.00 ml/min
2/22/2022 12:05 PM	01:10:00	4.69 pH	21.18 °C	32.26 µS/cm	3.89 mg/L	15.30 NTU	111.5 mV	17.50 ft	100.00 ml/min

2/22/2022 12:10 PM	01:15:00	4.69 pH	21.28 °C	32.25 µS/cm	3.92 mg/L	15.80 NTU	111.3 mV	17.50 ft	100.00 ml/min
2/22/2022 12:15 PM	01:20:00	4.69 pH	21.51 °C	32.86 µS/cm	3.76 mg/L	13.60 NTU	106.6 mV	17.50 ft	100.00 ml/min
2/22/2022 12:20 PM	01:25:00	4.68 pH	21.55 °C	33.09 µS/cm	3.82 mg/L	14.50 NTU	106.0 mV	17.50 ft	100.00 ml/min
2/22/2022 12:25 PM	01:30:00	4.68 pH	21.60 °C	32.90 µS/cm	3.77 mg/L	13.60 NTU	150.5 mV	17.50 ft	100.00 ml/min
2/22/2022 12:30 PM	01:35:00	4.67 pH	21.55 °C	32.94 µS/cm	3.71 mg/L	12.70 NTU	112.7 mV	17.50 ft	100.00 ml/min
2/22/2022 12:35 PM	01:40:00	4.68 pH	21.77 °C	32.96 µS/cm	3.70 mg/L	12.10 NTU	107.6 mV	17.50 ft	100.00 ml/min
2/22/2022 12:40 PM	01:45:00	4.67 pH	21.91 °C	32.72 µS/cm	3.71 mg/L	12.60 NTU	107.5 mV	17.50 ft	100.00 ml/min
2/22/2022 12:45 PM	01:50:00	4.68 pH	22.04 °C	32.78 µS/cm	3.76 mg/L	11.80 NTU	112.4 mV	17.50 ft	100.00 ml/min
2/22/2022 12:50 PM	01:55:00	4.68 pH	22.27 °C	32.70 µS/cm	3.75 mg/L	11.40 NTU	151.6 mV	17.50 ft	100.00 ml/min
2/22/2022 12:55 PM	02:00:00	4.68 pH	22.24 °C	32.19 µS/cm	3.76 mg/L	10.80 NTU	109.6 mV	17.50 ft	100.00 ml/min
2/22/2022 1:00 PM	02:05:00	4.68 pH	22.04 °C	32.53 µS/cm	3.63 mg/L	10.80 NTU	150.7 mV	17.50 ft	100.00 ml/min
2/22/2022 1:05 PM	02:10:00	4.68 pH	21.94 °C	32.44 µS/cm	3.75 mg/L	10.50 NTU	107.8 mV	17.50 ft	100.00 ml/min
2/22/2022 1:10 PM	02:15:00	4.69 pH	21.80 °C	32.47 µS/cm	3.74 mg/L	10.10 NTU	104.5 mV	17.50 ft	100.00 ml/min
2/22/2022 1:15 PM	02:20:00	4.70 pH	21.95 °C	32.60 µS/cm	3.76 mg/L	10.00 NTU	109.7 mV	17.50 ft	100.00 ml/min
2/22/2022 1:20 PM	02:25:00	4.70 pH	22.89 °C	32.46 µS/cm	3.76 mg/L	10.00 NTU	108.1 mV	17.50 ft	100.00 ml/min
2/22/2022 1:25 PM	02:30:00	4.70 pH	23.29 °C	32.42 µS/cm	3.75 mg/L	9.48 NTU	107.8 mV	17.50 ft	100.00 ml/min
2/22/2022 1:30 PM	02:35:00	4.69 pH	23.25 °C	32.39 µS/cm	3.69 mg/L	9.01 NTU	106.3 mV	17.50 ft	100.00 ml/min
2/22/2022 1:35 PM	02:40:00	4.67 pH	23.98 °C	32.40 µS/cm	3.77 mg/L	8.86 NTU	108.3 mV	17.50 ft	100.00 ml/min
2/22/2022 1:40 PM	02:45:00	4.69 pH	24.33 °C	32.26 µS/cm	3.64 mg/L	8.20 NTU	109.5 mV	17.50 ft	100.00 ml/min
2/22/2022 1:45 PM	02:50:00	4.69 pH	24.31 °C	32.23 µS/cm	3.65 mg/L	7.61 NTU	108.2 mV	17.50 ft	100.00 ml/min
2/22/2022 1:50 PM	02:55:00	4.69 pH	23.91 °C	31.78 µS/cm	3.76 mg/L	7.64 NTU	109.7 mV	17.50 ft	100.00 ml/min
2/22/2022 1:55 PM	03:00:00	4.69 pH	23.16 °C	32.17 µS/cm	3.62 mg/L	7.99 NTU	107.1 mV	17.50 ft	100.00 ml/min
2/22/2022 1:56 PM	03:01:01	4.69 pH	22.94 °C	32.35 µS/cm	3.60 mg/L	7.99 NTU	106.3 mV	17.50 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/22/2022 9:42:09 AM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.31 ft** **Total Depth: 38.31 ft** **Initial Depth to Water: 22.54 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 32 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 2.36 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sampled at 1014, sunny 70s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/22/2022 9:42 AM	00:00	5.05 pH	21.64 °C	29.40 µS/cm	5.78 mg/L	0.69 NTU	179.2 mV	22.54 ft	100.00 ml/min
2/22/2022 9:47 AM	05:00	5.01 pH	20.75 °C	23.77 µS/cm	6.24 mg/L	1.53 NTU	142.1 mV	23.70 ft	100.00 ml/min
2/22/2022 9:52 AM	10:00	5.03 pH	20.83 °C	23.84 µS/cm	6.10 mg/L	0.97 NTU	125.3 mV	24.20 ft	100.00 ml/min
2/22/2022 9:57 AM	15:00	5.03 pH	20.79 °C	23.93 µS/cm	6.04 mg/L	0.79 NTU	117.0 mV	24.60 ft	100.00 ml/min
2/22/2022 10:02 AM	20:00	4.97 pH	20.92 °C	23.95 µS/cm	5.78 mg/L	0.80 NTU	113.9 mV	24.80 ft	100.00 ml/min
2/22/2022 10:07 AM	25:00	4.95 pH	21.02 °C	24.01 µS/cm	5.57 mg/L	0.66 NTU	116.8 mV	24.90 ft	100.00 ml/min
2/22/2022 10:12 AM	30:00	4.90 pH	20.97 °C	24.11 µS/cm	5.43 mg/L	0.55 NTU	110.6 mV	24.90 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/22/2022 2:09:33 PM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWA-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.11 ft** **Total Depth: 40.11 ft** **Initial Depth to Water: 25.53 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 7200 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 240 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes: Sampled at 1439. Fair 78 degrees. Dup-1 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/22/2022 2:09 PM	00:00	5.20 pH	30.19 °C	19.40 µS/cm	6.65 mg/L	4.40 NTU	230.7 mV	25.61 ft	240.00 ml/min
2/22/2022 2:14 PM	05:00	5.01 pH	23.63 °C	22.31 µS/cm	6.65 mg/L	3.78 NTU	271.9 mV	25.61 ft	240.00 ml/min
2/22/2022 2:19 PM	10:00	4.98 pH	23.46 °C	23.65 µS/cm	6.36 mg/L	2.77 NTU	269.5 mV	25.61 ft	240.00 ml/min
2/22/2022 2:24 PM	15:00	4.95 pH	23.38 °C	24.48 µS/cm	6.14 mg/L	2.44 NTU	206.4 mV	25.61 ft	240.00 ml/min
2/22/2022 2:29 PM	20:00	4.92 pH	23.38 °C	24.95 µS/cm	5.95 mg/L	2.20 NTU	195.4 mV	25.61 ft	240.00 ml/min
2/22/2022 2:34 PM	25:00	4.93 pH	23.38 °C	25.09 µS/cm	5.85 mg/L	1.89 NTU	189.4 mV	25.61 ft	240.00 ml/min
2/22/2022 2:39 PM	30:00	4.91 pH	23.43 °C	25.57 µS/cm	5.87 mg/L	1.60 NTU	186.7 mV	25.61 ft	240.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/22/2022 11:10:01 AM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWA-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.90 ft** **Total Depth: 49.90 ft** **Initial Depth to Water: 26.48 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 4500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.74 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sampled at 1140. Mostly cloudy 74 degrees. FB-1 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/22/2022 11:10 AM	00:00	5.69 pH	26.63 °C	28.12 µS/cm	6.96 mg/L	5.55 NTU	214.6 mV	26.81 ft	150.00 ml/min
2/22/2022 11:15 AM	05:00	5.46 pH	23.25 °C	27.84 µS/cm	6.02 mg/L	5.10 NTU	197.6 mV	27.02 ft	150.00 ml/min
2/22/2022 11:20 AM	10:00	5.40 pH	23.52 °C	27.81 µS/cm	5.71 mg/L	4.72 NTU	197.9 mV	27.07 ft	150.00 ml/min
2/22/2022 11:25 AM	15:00	5.34 pH	23.44 °C	27.34 µS/cm	5.68 mg/L	4.36 NTU	199.3 mV	27.12 ft	150.00 ml/min
2/22/2022 11:30 AM	20:00	5.27 pH	23.10 °C	27.36 µS/cm	5.82 mg/L	4.48 NTU	202.6 mV	27.16 ft	150.00 ml/min
2/22/2022 11:35 AM	25:00	5.23 pH	23.47 °C	26.92 µS/cm	5.85 mg/L	4.62 NTU	204.2 mV	27.20 ft	150.00 ml/min
2/22/2022 11:40 AM	30:00	5.20 pH	22.86 °C	27.01 µS/cm	6.17 mg/L	4.50 NTU	204.9 mV	27.22 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/22/2022 9:46:58 AM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWA-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.27 ft** **Total Depth: 40.27 ft** **Initial Depth to Water: 24.97 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 4610 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sampled at 1017. Partly cloudy 70 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/22/2022 9:46 AM	00:00	6.67 pH	23.81 °C	54.21 µS/cm	6.51 mg/L	6.12 NTU	207.1 mV	25.14 ft	150.00 ml/min
2/22/2022 9:51 AM	05:00	4.99 pH	21.99 °C	25.46 µS/cm	6.68 mg/L	5.45 NTU	249.8 mV	25.22 ft	150.00 ml/min
2/22/2022 9:56 AM	10:00	4.96 pH	22.40 °C	25.35 µS/cm	6.62 mg/L	4.17 NTU	254.8 mV	25.25 ft	150.00 ml/min
2/22/2022 10:02 AM	15:44	4.97 pH	22.58 °C	25.17 µS/cm	6.95 mg/L	3.35 NTU	261.4 mV	25.25 ft	150.00 ml/min
2/22/2022 10:07 AM	20:44	4.97 pH	22.61 °C	25.07 µS/cm	6.93 mg/L	3.13 NTU	251.7 mV	25.25 ft	150.00 ml/min
2/22/2022 10:12 AM	25:44	4.98 pH	22.73 °C	25.04 µS/cm	6.64 mg/L	2.98 NTU	247.8 mV	25.25 ft	150.00 ml/min
2/22/2022 10:17 AM	30:44	4.98 pH	22.58 °C	25.08 µS/cm	6.57 mg/L	2.55 NTU	302.7 mV	25.25 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 10:20:28 AM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWC-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.29 ft** **Total Depth: 28.29 ft** **Initial Depth to Water: 15.57 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sampled collected at 1052, sunny 70s, FB-2 collected at 1053

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/23/2022 10:20 AM	00:00	4.95 pH	23.97 °C	42.40 µS/cm	4.47 mg/L	2.54 NTU	172.0 mV	15.57 ft	120.00 ml/min
2/23/2022 10:25 AM	05:00	4.92 pH	20.73 °C	44.43 µS/cm	2.90 mg/L	3.33 NTU	114.8 mV	15.70 ft	120.00 ml/min
2/23/2022 10:30 AM	10:00	4.91 pH	20.61 °C	44.52 µS/cm	2.83 mg/L	3.73 NTU	98.5 mV	15.70 ft	120.00 ml/min
2/23/2022 10:35 AM	15:00	4.92 pH	20.48 °C	44.63 µS/cm	2.84 mg/L	3.38 NTU	94.0 mV	15.70 ft	120.00 ml/min
2/23/2022 10:40 AM	20:00	4.91 pH	20.44 °C	44.68 µS/cm	2.93 mg/L	3.05 NTU	129.1 mV	15.70 ft	120.00 ml/min
2/23/2022 10:45 AM	25:00	4.91 pH	20.48 °C	44.81 µS/cm	2.90 mg/L	2.87 NTU	94.4 mV	15.70 ft	120.00 ml/min
2/23/2022 10:50 AM	30:00	4.92 pH	20.70 °C	44.35 µS/cm	2.83 mg/L	3.04 NTU	95.7 mV	15.70 ft	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 9:17:31 AM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWC-4A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29.00 ft** **Total Depth: 39.00 ft** **Initial Depth to Water: 26.46 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 34 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.14 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sample collected at 0949, sunny 70s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/23/2022 9:17 AM	00:00	5.01 pH	23.06 °C	47.70 µS/cm	6.12 mg/L	1.21 NTU	183.3 mV	26.46 ft	120.00 ml/min
2/23/2022 9:22 AM	05:00	4.79 pH	22.22 °C	29.84 µS/cm	5.29 mg/L	1.76 NTU	148.0 mV	26.60 ft	120.00 ml/min
2/23/2022 9:27 AM	10:00	4.78 pH	22.40 °C	29.66 µS/cm	5.16 mg/L	0.80 NTU	127.9 mV	26.60 ft	120.00 ml/min
2/23/2022 9:32 AM	15:00	4.80 pH	22.62 °C	29.64 µS/cm	4.66 mg/L	1.47 NTU	121.5 mV	26.60 ft	120.00 ml/min
2/23/2022 9:37 AM	20:00	4.80 pH	22.87 °C	29.57 µS/cm	4.63 mg/L	0.99 NTU	167.2 mV	26.60 ft	120.00 ml/min
2/23/2022 9:42 AM	25:00	4.81 pH	22.98 °C	29.56 µS/cm	4.61 mg/L	1.40 NTU	168.3 mV	26.60 ft	120.00 ml/min
2/23/2022 9:47 AM	30:00	4.80 pH	23.17 °C	29.53 µS/cm	4.61 mg/L	0.98 NTU	120.3 mV	26.60 ft	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/22/2022 3:48:12 PM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWC-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.71 ft** **Total Depth: 41.71 ft** **Initial Depth to Water: 25.18 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 4500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.12 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sample collected at 1619, sunny 70s, EB-1 collected at 1620

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/22/2022 3:48 PM	00:00	5.36 pH	25.56 °C	29.45 µS/cm	4.64 mg/L	0.90 NTU	145.4 mV	25.18 ft	150.00 ml/min
2/22/2022 3:53 PM	05:00	5.29 pH	23.47 °C	28.62 µS/cm	4.06 mg/L	0.52 NTU	99.3 mV	25.20 ft	150.00 ml/min
2/22/2022 3:58 PM	10:00	5.35 pH	22.87 °C	30.64 µS/cm	3.86 mg/L	0.79 NTU	88.4 mV	25.30 ft	150.00 ml/min
2/22/2022 4:03 PM	15:00	5.32 pH	22.54 °C	29.24 µS/cm	3.90 mg/L	0.85 NTU	85.3 mV	25.30 ft	150.00 ml/min
2/22/2022 4:08 PM	20:00	5.31 pH	22.42 °C	29.00 µS/cm	3.90 mg/L	0.73 NTU	120.0 mV	25.30 ft	150.00 ml/min
2/22/2022 4:13 PM	25:00	5.35 pH	22.29 °C	30.28 µS/cm	3.89 mg/L	0.79 NTU	85.4 mV	25.30 ft	150.00 ml/min
2/22/2022 4:18 PM	30:00	5.34 pH	22.25 °C	29.77 µS/cm	3.99 mg/L	0.70 NTU	88.2 mV	25.30 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 3:25:09 PM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.05 ft** **Total Depth: 38.05 ft** **Initial Depth to Water: 29.49 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 32 ft** **Estimated Total Volume Pumped: 15000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sample collected at 1627, sunny 80s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/23/2022 3:25 PM	00:00	5.55 pH	29.79 °C	49.94 µS/cm	5.50 mg/L	3.50 NTU	136.0 mV	29.49 ft	250.00 ml/min
2/23/2022 3:30 PM	05:00	5.06 pH	24.87 °C	50.47 µS/cm	7.41 mg/L	3.60 NTU	117.5 mV	29.60 ft	250.00 ml/min
2/23/2022 3:35 PM	10:00	5.07 pH	24.56 °C	50.29 µS/cm	6.75 mg/L	2.32 NTU	109.8 mV	29.60 ft	250.00 ml/min
2/23/2022 3:40 PM	15:00	5.07 pH	24.42 °C	49.38 µS/cm	7.78 mg/L	1.93 NTU	107.4 mV	29.60 ft	250.00 ml/min
2/23/2022 3:45 PM	20:00	5.07 pH	23.81 °C	50.04 µS/cm	7.23 mg/L	1.45 NTU	141.6 mV	29.60 ft	250.00 ml/min
2/23/2022 3:50 PM	25:00	5.07 pH	23.54 °C	49.59 µS/cm	7.38 mg/L	1.65 NTU	144.6 mV	29.60 ft	250.00 ml/min
2/23/2022 3:55 PM	30:00	5.06 pH	23.47 °C	49.61 µS/cm	7.78 mg/L	1.29 NTU	145.6 mV	29.60 ft	250.00 ml/min
2/23/2022 4:00 PM	35:00	5.05 pH	23.57 °C	49.99 µS/cm	7.53 mg/L	1.19 NTU	113.2 mV	29.60 ft	250.00 ml/min
2/23/2022 4:05 PM	40:00	5.07 pH	23.52 °C	50.02 µS/cm	7.32 mg/L	1.08 NTU	106.7 mV	29.60 ft	250.00 ml/min
2/23/2022 4:10 PM	45:00	5.06 pH	23.23 °C	49.92 µS/cm	7.43 mg/L	1.13 NTU	108.7 mV	29.60 ft	250.00 ml/min
2/23/2022 4:15 PM	50:00	5.07 pH	23.38 °C	50.03 µS/cm	7.11 mg/L	0.87 NTU	104.6 mV	29.60 ft	250.00 ml/min
2/23/2022 4:20 PM	55:00	5.07 pH	23.21 °C	50.14 µS/cm	7.33 mg/L	0.62 NTU	139.5 mV	29.60 ft	250.00 ml/min
2/23/2022 4:25 PM	01:00:00	5.07 pH	22.98 °C	50.24 µS/cm	7.44 mg/L	0.66 NTU	109.0 mV	29.60 ft	250.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 2/23/2022 1:55:28 PM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.16 ft** **Total Depth: 33.16 ft** **Initial Depth to Water: 24.99 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 27 ft** **Estimated Total Volume Pumped: 13750 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sample collected at 1452, sunny 80s, Dup-2 here

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/23/2022 1:55 PM	00:00	6.63 pH	29.53 °C	288.12 µS/cm	2.52 mg/L	2.36 NTU	137.1 mV	24.99 ft	250.00 ml/min
2/23/2022 2:00 PM	05:00	6.76 pH	23.35 °C	286.89 µS/cm	1.41 mg/L	4.03 NTU	66.3 mV	25.00 ft	250.00 ml/min
2/23/2022 2:05 PM	10:00	6.68 pH	23.11 °C	267.73 µS/cm	1.59 mg/L	2.42 NTU	55.3 mV	25.00 ft	250.00 ml/min
2/23/2022 2:10 PM	15:00	6.66 pH	23.16 °C	267.51 µS/cm	1.71 mg/L	1.48 NTU	51.7 mV	25.00 ft	250.00 ml/min
2/23/2022 2:15 PM	20:00	6.59 pH	22.94 °C	250.98 µS/cm	1.75 mg/L	1.20 NTU	53.4 mV	25.00 ft	250.00 ml/min
2/23/2022 2:20 PM	25:00	6.55 pH	23.12 °C	244.44 µS/cm	1.75 mg/L	0.92 NTU	53.4 mV	25.00 ft	250.00 ml/min
2/23/2022 2:25 PM	30:00	6.54 pH	23.25 °C	243.46 µS/cm	1.51 mg/L	0.77 NTU	51.7 mV	25.00 ft	250.00 ml/min
2/23/2022 2:30 PM	35:00	6.52 pH	23.17 °C	237.58 µS/cm	1.62 mg/L	0.65 NTU	68.5 mV	25.00 ft	250.00 ml/min
2/23/2022 2:35 PM	40:00	6.51 pH	22.75 °C	232.07 µS/cm	1.81 mg/L	0.47 NTU	55.5 mV	25.10 ft	250.00 ml/min
2/23/2022 2:40 PM	45:00	6.48 pH	23.16 °C	228.88 µS/cm	1.95 mg/L	0.48 NTU	53.1 mV	25.10 ft	250.00 ml/min
2/23/2022 2:45 PM	50:00	6.47 pH	23.16 °C	227.53 µS/cm	1.94 mg/L	0.59 NTU	54.3 mV	25.10 ft	250.00 ml/min
2/23/2022 2:50 PM	55:00	6.46 pH	22.92 °C	224.52 µS/cm	1.91 mg/L	0.68 NTU	54.1 mV	25.10 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 11:04:18 AM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWC-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33.22 ft** **Total Depth: 43.22 ft** **Initial Depth to Water: 33.42 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 38 ft** **Estimated Total Volume Pumped: 22000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.11 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sampled at 1234. Sunny 80 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/23/2022 11:04 AM	00:00	6.61 pH	26.99 °C	118.02 µS/cm	5.91 mg/L	12.20 NTU	154.9 mV	33.53 ft	200.00 ml/min
2/23/2022 11:09 AM	05:00	6.56 pH	22.13 °C	121.90 µS/cm	3.93 mg/L	6.79 NTU	99.0 mV	33.53 ft	200.00 ml/min
2/23/2022 11:14 AM	10:00	6.57 pH	21.73 °C	126.26 µS/cm	3.51 mg/L	5.85 NTU	114.9 mV	33.53 ft	200.00 ml/min
2/23/2022 11:19 AM	15:00	6.58 pH	21.75 °C	125.26 µS/cm	3.18 mg/L	5.05 NTU	86.3 mV	33.53 ft	200.00 ml/min
2/23/2022 11:24 AM	20:00	6.57 pH	21.55 °C	125.37 µS/cm	2.98 mg/L	3.87 NTU	109.0 mV	33.53 ft	200.00 ml/min
2/23/2022 11:29 AM	25:00	6.53 pH	21.53 °C	122.20 µS/cm	2.90 mg/L	3.33 NTU	86.1 mV	33.53 ft	200.00 ml/min
2/23/2022 11:34 AM	30:00	6.53 pH	21.82 °C	119.00 µS/cm	2.82 mg/L	2.96 NTU	116.0 mV	33.53 ft	200.00 ml/min
2/23/2022 11:39 AM	35:00	6.50 pH	21.90 °C	114.04 µS/cm	2.91 mg/L	3.12 NTU	85.8 mV	33.53 ft	200.00 ml/min
2/23/2022 11:44 AM	40:00	6.45 pH	21.97 °C	110.69 µS/cm	2.90 mg/L	3.01 NTU	108.5 mV	33.53 ft	200.00 ml/min
2/23/2022 11:49 AM	45:00	6.44 pH	21.98 °C	107.64 µS/cm	2.94 mg/L	2.90 NTU	84.8 mV	33.53 ft	200.00 ml/min
2/23/2022 11:54 AM	50:00	6.41 pH	22.04 °C	103.63 µS/cm	3.01 mg/L	2.71 NTU	86.4 mV	33.53 ft	200.00 ml/min
2/23/2022 11:59 AM	55:00	6.38 pH	22.06 °C	101.29 µS/cm	2.99 mg/L	2.56 NTU	85.1 mV	33.53 ft	200.00 ml/min
2/23/2022 12:04 PM	01:00:00	6.38 pH	22.04 °C	99.37 µS/cm	3.29 mg/L	2.42 NTU	107.3 mV	33.53 ft	200.00 ml/min
2/23/2022 12:09 PM	01:05:00	6.34 pH	22.14 °C	96.75 µS/cm	3.37 mg/L	2.37 NTU	83.9 mV	33.53 ft	200.00 ml/min
2/23/2022 12:14 PM	01:10:00	6.33 pH	22.21 °C	95.10 µS/cm	3.48 mg/L	2.65 NTU	105.1 mV	33.53 ft	200.00 ml/min

2/23/2022 12:19 PM	01:15:00	6.31 pH	22.17 °C	93.46 µS/cm	3.45 mg/L	2.24 NTU	81.6 mV	33.53 ft	200.00 ml/min
2/23/2022 12:24 PM	01:20:00	6.30 pH	22.18 °C	92.13 µS/cm	3.51 mg/L	2.37 NTU	79.9 mV	33.53 ft	200.00 ml/min
2/23/2022 12:29 PM	01:25:00	6.29 pH	22.26 °C	90.95 µS/cm	3.36 mg/L	3.03 NTU	101.5 mV	33.53 ft	200.00 ml/min
2/23/2022 12:34 PM	01:30:00	6.28 pH	22.22 °C	89.85 µS/cm	3.35 mg/L	2.90 NTU	79.6 mV	33.53 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 12:42:44 PM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.10 ft** **Total Depth: 41.10 ft** **Initial Depth to Water: 27.65 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.05 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sample collected at 1315, sunny 80s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/23/2022 12:42 PM	00:00	5.18 pH	30.81 °C	23.29 µS/cm	5.85 mg/L	3.43 NTU	173.4 mV	27.65 ft	120.00 ml/min
2/23/2022 12:47 PM	05:00	5.13 pH	25.75 °C	24.30 µS/cm	5.64 mg/L	1.05 NTU	120.1 mV	27.70 ft	120.00 ml/min
2/23/2022 12:52 PM	10:00	5.11 pH	25.15 °C	24.43 µS/cm	5.58 mg/L	1.01 NTU	109.5 mV	27.70 ft	120.00 ml/min
2/23/2022 12:57 PM	15:00	5.11 pH	25.13 °C	24.50 µS/cm	5.61 mg/L	0.89 NTU	104.3 mV	27.70 ft	120.00 ml/min
2/23/2022 1:02 PM	20:00	5.10 pH	25.15 °C	24.45 µS/cm	5.51 mg/L	0.68 NTU	105.7 mV	27.70 ft	120.00 ml/min
2/23/2022 1:07 PM	25:00	5.09 pH	24.74 °C	24.30 µS/cm	5.60 mg/L	0.68 NTU	105.3 mV	27.70 ft	120.00 ml/min
2/23/2022 1:12 PM	30:00	5.10 pH	24.93 °C	24.48 µS/cm	5.49 mg/L	0.84 NTU	138.8 mV	27.70 ft	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/22/2022 12:39:17 PM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.30 ft** **Total Depth: 40.30 ft** **Initial Depth to Water: 23 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 4800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.32 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sampled at 1309. Fair 77 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/22/2022 12:39 PM	00:00	5.39 pH	27.57 °C	29.44 µS/cm	6.84 mg/L	5.99 NTU	219.6 mV	23.22 ft	160.00 ml/min
2/22/2022 12:44 PM	05:00	5.30 pH	24.27 °C	29.70 µS/cm	6.81 mg/L	6.06 NTU	199.8 mV	23.26 ft	160.00 ml/min
2/22/2022 12:49 PM	10:00	5.19 pH	23.92 °C	28.22 µS/cm	7.16 mg/L	5.32 NTU	199.8 mV	23.30 ft	160.00 ml/min
2/22/2022 12:54 PM	15:00	5.18 pH	23.75 °C	27.66 µS/cm	7.11 mg/L	4.47 NTU	195.2 mV	23.32 ft	160.00 ml/min
2/22/2022 12:59 PM	20:00	5.16 pH	23.74 °C	27.13 µS/cm	7.17 mg/L	3.93 NTU	191.9 mV	23.32 ft	160.00 ml/min
2/22/2022 1:04 PM	25:00	5.16 pH	23.69 °C	27.26 µS/cm	7.05 mg/L	3.66 NTU	188.4 mV	23.32 ft	160.00 ml/min
2/22/2022 1:09 PM	30:00	5.15 pH	23.73 °C	26.81 µS/cm	6.99 mg/L	3.41 NTU	185.8 mV	23.32 ft	160.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/22/2022 2:45:44 PM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.05 ft** **Total Depth: 40.05 ft** **Initial Depth to Water: 27.72 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 3900 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 0.08 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sample collected at 1517, sunny 70s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 0.2	+/- 10	+/- 25	+/- 0.3	
2/22/2022 2:45 PM	00:00	5.32 pH	27.46 °C	27.20 µS/cm	5.31 mg/L	2.19 NTU	156.4 mV	27.72 ft	130.00 ml/min
2/22/2022 2:50 PM	05:00	5.29 pH	25.42 °C	28.18 µS/cm	5.25 mg/L	1.31 NTU	110.9 mV	27.80 ft	130.00 ml/min
2/22/2022 2:55 PM	10:00	5.30 pH	25.60 °C	27.94 µS/cm	5.28 mg/L	1.94 NTU	136.7 mV	27.80 ft	130.00 ml/min
2/22/2022 3:00 PM	15:00	5.29 pH	25.46 °C	27.88 µS/cm	5.18 mg/L	0.60 NTU	98.0 mV	27.80 ft	130.00 ml/min
2/22/2022 3:05 PM	20:00	5.29 pH	25.24 °C	27.91 µS/cm	5.22 mg/L	0.60 NTU	132.6 mV	27.80 ft	130.00 ml/min
2/22/2022 3:10 PM	25:00	5.29 pH	24.67 °C	28.10 µS/cm	5.22 mg/L	0.54 NTU	96.8 mV	27.80 ft	130.00 ml/min
2/22/2022 3:15 PM	30:00	5.29 pH	23.79 °C	28.01 µS/cm	5.20 mg/L	0.77 NTU	93.0 mV	27.80 ft	130.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 9:17:51 AM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.20 ft** **Total Depth: 42.20 ft** **Initial Depth to Water: 35.96 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 13066.667 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sampled at 1010. Sunny 70 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/23/2022 9:17 AM	00:00	6.77 pH	24.19 °C	94.61 µS/cm	7.82 mg/L	13.70 NTU	151.0 mV	35.96 ft	250.00 ml/min
2/23/2022 9:22 AM	05:00	6.17 pH	22.22 °C	83.01 µS/cm	7.13 mg/L	12.50 NTU	169.3 mV	36.12 ft	250.00 ml/min
2/23/2022 9:25 AM	07:15	6.17 pH	22.20 °C	81.51 µS/cm	7.13 mg/L	10.80 NTU	129.4 mV	36.15 ft	250.00 ml/min
2/23/2022 9:30 AM	12:16	6.17 pH	21.59 °C	81.19 µS/cm	7.19 mg/L	9.12 NTU	129.1 mV	36.22 ft	250.00 ml/min
2/23/2022 9:35 AM	17:16	6.17 pH	21.38 °C	81.62 µS/cm	7.21 mg/L	8.12 NTU	162.1 mV	36.27 ft	250.00 ml/min
2/23/2022 9:40 AM	22:16	6.18 pH	21.31 °C	81.99 µS/cm	7.13 mg/L	7.58 NTU	159.5 mV	36.32 ft	250.00 ml/min
2/23/2022 9:45 AM	27:16	6.18 pH	21.41 °C	82.70 µS/cm	7.02 mg/L	6.11 NTU	158.4 mV	36.35 ft	250.00 ml/min
2/23/2022 9:50 AM	32:16	6.18 pH	21.42 °C	83.58 µS/cm	6.89 mg/L	5.62 NTU	157.4 mV	36.36 ft	250.00 ml/min
2/23/2022 9:55 AM	37:16	6.18 pH	21.50 °C	84.03 µS/cm	6.77 mg/L	4.98 NTU	120.8 mV	36.36 ft	250.00 ml/min
2/23/2022 10:00 AM	42:16	6.18 pH	21.64 °C	85.33 µS/cm	6.70 mg/L	4.91 NTU	154.1 mV	36.36 ft	250.00 ml/min
2/23/2022 10:05 AM	47:16	6.19 pH	21.82 °C	85.53 µS/cm	6.56 mg/L	4.70 NTU	119.2 mV	36.36 ft	250.00 ml/min
2/23/2022 10:10 AM	52:16	6.20 pH	21.86 °C	86.72 µS/cm	6.46 mg/L	4.63 NTU	152.2 mV	36.36 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 3:10:06 PM
Project: Plant McIntosh LF4
Operator Name: J. Berisford

Location Name: GWC-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 26.95 ft** **Total Depth: 36.95 ft** **Initial Depth to Water: 29.95 ft**	**Pump Type: Peri. Pump** **Tubing Type: Poly** **Pump Intake From TOC: 32 ft** **Estimated Total Volume Pumped: 16.8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 3 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sunny, 70s, sample time-1625. WL in screen, 3 well volumes purged.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 10 %	+/- 5	+/- 25	+/- 0.3	
2/23/2022 3:10 PM	00:00	10.82 pH	34.70 °C	0.00 µS/cm	6.95 mg/L	132.00 NTU	76.2 mV	29.95 ft	225.00 ml/min
2/23/2022 3:15 PM	05:00	6.40 pH	27.50 °C	135.69 µS/cm	3.44 mg/L	17.00 NTU	3.0 mV	30.10 ft	225.00 ml/min
2/23/2022 3:20 PM	10:00	5.68 pH	23.42 °C	60.47 µS/cm	4.84 mg/L	11.00 NTU	91.0 mV	30.20 ft	225.00 ml/min
2/23/2022 3:25 PM	15:00	5.65 pH	23.00 °C	61.50 µS/cm	5.87 mg/L	6.11 NTU	92.6 mV	30.20 ft	225.00 ml/min
2/23/2022 3:30 PM	20:00	5.63 pH	22.72 °C	60.73 µS/cm	5.76 mg/L	2.37 NTU	91.1 mV	30.20 ft	225.00 ml/min
2/23/2022 3:35 PM	25:00	5.60 pH	22.54 °C	60.67 µS/cm	4.33 mg/L	2.22 NTU	90.4 mV	30.20 ft	225.00 ml/min
2/23/2022 3:40 PM	30:00	5.59 pH	22.49 °C	60.15 µS/cm	4.45 mg/L	3.21 NTU	90.2 mV	30.20 ft	225.00 ml/min
2/23/2022 3:45 PM	35:00	5.63 pH	22.32 °C	60.72 µS/cm	4.67 mg/L	2.55 NTU	89.8 mV	30.20 ft	225.00 ml/min
2/23/2022 3:50 PM	40:00	5.61 pH	22.35 °C	59.26 µS/cm	5.52 mg/L	2.01 NTU	87.7 mV	30.20 ft	225.00 ml/min
2/23/2022 3:55 PM	45:00	5.59 pH	22.27 °C	59.59 µS/cm	5.84 mg/L	1.88 NTU	88.1 mV	30.20 ft	225.00 ml/min
2/23/2022 4:00 PM	50:00	5.59 pH	22.27 °C	61.20 µS/cm	4.44 mg/L	1.05 NTU	87.4 mV	30.20 ft	225.00 ml/min
2/23/2022 4:05 PM	55:00	5.60 pH	22.49 °C	60.83 µS/cm	4.67 mg/L	1.11 NTU	86.0 mV	30.20 ft	225.00 ml/min
2/23/2022 4:10 PM	01:00:00	5.62 pH	22.31 °C	60.63 µS/cm	6.06 mg/L	0.95 NTU	86.9 mV	30.20 ft	225.00 ml/min
2/23/2022 4:15 PM	01:05:00	5.62 pH	22.21 °C	60.87 µS/cm	4.70 mg/L	1.27 NTU	75.1 mV	30.20 ft	225.00 ml/min
2/23/2022 4:20 PM	01:10:00	5.62 pH	22.09 °C	60.77 µS/cm	4.78 mg/L	1.32 NTU	84.7 mV	30.20 ft	225.00 ml/min

2/23/2022 4:25 PM	01:15:00	5.63 pH	22.20 °C	60.24 µS/cm	4.77 mg/L	1.26 NTU	86.2 mV	30.20 ft	225.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/22/2022 4:15:23 PM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 20.13 ft** **Total Depth: 30.13 ft** **Initial Depth to Water: 23.25 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 13050 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 290 ml/min** **Final Draw Down: 0.17 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sampled at 1700. Fair 76 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/22/2022 4:15 PM	00:00	5.01 pH	25.01 °C	42.36 µS/cm	5.28 mg/L	12.50 NTU	243.7 mV	23.42 ft	290.00 ml/min
2/22/2022 4:20 PM	05:00	4.97 pH	21.64 °C	42.66 µS/cm	5.38 mg/L	10.70 NTU	204.7 mV	23.42 ft	290.00 ml/min
2/22/2022 4:25 PM	10:00	5.01 pH	21.54 °C	41.95 µS/cm	5.65 mg/L	8.34 NTU	186.4 mV	23.42 ft	290.00 ml/min
2/22/2022 4:30 PM	15:00	5.02 pH	21.46 °C	41.10 µS/cm	5.78 mg/L	5.56 NTU	176.6 mV	23.42 ft	290.00 ml/min
2/22/2022 4:35 PM	20:00	5.06 pH	21.37 °C	41.53 µS/cm	5.33 mg/L	3.92 NTU	170.7 mV	23.42 ft	290.00 ml/min
2/22/2022 4:40 PM	25:00	5.03 pH	21.28 °C	41.86 µS/cm	5.60 mg/L	2.74 NTU	169.2 mV	23.42 ft	290.00 ml/min
2/22/2022 4:45 PM	30:00	4.99 pH	21.19 °C	42.58 µS/cm	5.65 mg/L	2.18 NTU	169.7 mV	23.42 ft	290.00 ml/min
2/22/2022 4:50 PM	35:00	5.02 pH	21.14 °C	41.60 µS/cm	5.25 mg/L	1.97 NTU	167.0 mV	23.42 ft	290.00 ml/min
2/22/2022 4:55 PM	40:00	4.99 pH	21.10 °C	42.09 µS/cm	5.68 mg/L	1.52 NTU	166.8 mV	23.42 ft	290.00 ml/min
2/22/2022 5:00 PM	45:00	5.02 pH	21.05 °C	42.17 µS/cm	5.63 mg/L	1.31 NTU	165.9 mV	23.42 ft	290.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 3:09:14 PM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.16 ft** **Total Depth: 27.16 ft** **Initial Depth to Water: 21.42 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 11550 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 210 ml/min** **Final Draw Down: 0.63 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sampled at 1604. Sunny 84 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/23/2022 3:09 PM	00:00	4.93 pH	24.81 °C	38.84 µS/cm	3.63 mg/L	20.90 NTU	247.9 mV	21.80 ft	210.00 ml/min
2/23/2022 3:14 PM	05:00	4.92 pH	22.64 °C	40.34 µS/cm	4.48 mg/L	16.60 NTU	196.2 mV	21.86 ft	210.00 ml/min
2/23/2022 3:19 PM	10:00	4.92 pH	22.55 °C	40.21 µS/cm	4.57 mg/L	14.40 NTU	177.9 mV	21.92 ft	210.00 ml/min
2/23/2022 3:24 PM	15:00	4.91 pH	22.49 °C	40.34 µS/cm	4.67 mg/L	11.70 NTU	165.7 mV	21.97 ft	210.00 ml/min
2/23/2022 3:29 PM	20:00	4.91 pH	22.67 °C	40.09 µS/cm	4.48 mg/L	9.05 NTU	166.4 mV	22.02 ft	210.00 ml/min
2/23/2022 3:34 PM	25:00	4.91 pH	22.40 °C	39.98 µS/cm	4.36 mg/L	7.88 NTU	163.9 mV	22.05 ft	210.00 ml/min
2/23/2022 3:39 PM	30:00	4.90 pH	22.30 °C	39.93 µS/cm	4.20 mg/L	6.17 NTU	160.8 mV	22.05 ft	210.00 ml/min
2/23/2022 3:44 PM	35:00	4.90 pH	22.22 °C	40.24 µS/cm	4.04 mg/L	5.27 NTU	208.9 mV	22.05 ft	210.00 ml/min
2/23/2022 3:49 PM	40:00	4.90 pH	22.43 °C	40.24 µS/cm	3.93 mg/L	4.04 NTU	212.5 mV	22.05 ft	210.00 ml/min
2/23/2022 3:54 PM	45:00	4.87 pH	22.26 °C	39.81 µS/cm	3.83 mg/L	3.82 NTU	164.9 mV	22.05 ft	210.00 ml/min
2/23/2022 3:59 PM	50:00	4.87 pH	22.15 °C	40.03 µS/cm	3.76 mg/L	3.40 NTU	158.7 mV	22.05 ft	210.00 ml/min
2/23/2022 4:04 PM	55:00	4.87 pH	22.23 °C	40.33 µS/cm	3.47 mg/L	3.32 NTU	160.8 mV	22.05 ft	210.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/23/2022 1:20:44 PM
Project: Plant McIntosh LF4
Operator Name: Taylor Goble

Location Name: GWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.70 ft** **Total Depth: 33.70 ft** **Initial Depth to Water: 29.21 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 8800 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 1.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sampled at 1417. Sunny 83 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
2/23/2022 1:20 PM	00:00	5.47 pH	29.86 °C	47.44 µS/cm	2.75 mg/L	2.90 NTU	171.8 mV	29.35 ft	160.00 ml/min
2/23/2022 1:25 PM	05:00	5.13 pH	25.50 °C	37.02 µS/cm	3.49 mg/L	2.27 NTU	196.7 mV	29.53 ft	160.00 ml/min
2/23/2022 1:30 PM	10:00	5.10 pH	25.73 °C	35.55 µS/cm	4.49 mg/L	1.93 NTU	199.0 mV	29.73 ft	160.00 ml/min
2/23/2022 1:35 PM	15:00	5.10 pH	25.57 °C	35.44 µS/cm	5.23 mg/L	1.88 NTU	194.0 mV	29.84 ft	160.00 ml/min
2/23/2022 1:40 PM	20:00	5.11 pH	25.56 °C	35.35 µS/cm	5.63 mg/L	1.81 NTU	188.7 mV	29.95 ft	160.00 ml/min
2/23/2022 1:45 PM	25:00	5.11 pH	25.60 °C	35.72 µS/cm	6.11 mg/L	1.72 NTU	184.6 mV	30.06 ft	160.00 ml/min
2/23/2022 1:50 PM	30:00	5.11 pH	25.80 °C	35.28 µS/cm	6.09 mg/L	1.75 NTU	181.5 mV	30.18 ft	160.00 ml/min
2/23/2022 1:55 PM	35:00	5.11 pH	25.68 °C	35.69 µS/cm	6.00 mg/L	1.60 NTU	178.3 mV	30.22 ft	160.00 ml/min
2/23/2022 2:00 PM	40:00	5.09 pH	25.64 °C	35.54 µS/cm	5.52 mg/L	1.55 NTU	176.0 mV	30.23 ft	160.00 ml/min
2/23/2022 2:05 PM	45:00	5.11 pH	25.92 °C	35.78 µS/cm	5.77 mg/L	1.88 NTU	174.3 mV	30.23 ft	160.00 ml/min
2/23/2022 2:10 PM	50:00	5.11 pH	25.20 °C	35.93 µS/cm	5.94 mg/L	2.24 NTU	170.9 mV	30.23 ft	160.00 ml/min
2/23/2022 2:15 PM	55:00	5.11 pH	25.24 °C	36.58 µS/cm	5.37 mg/L	1.85 NTU	168.9 mV	30.23 ft	160.00 ml/min

Samples

Sample ID:	Description:

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh LF4

TECHNICIAN: T. Goble

WATER LEVEL: Solinst

WATER LEVEL S/N: 236986

INSTRUMENT S/N: 850724

INSTRUMENT TYPE: SmarTroll

CAL. SOLUTION/S:

ID: pH 10	LOT #: 28080056	EXP. DATE:	4/23
ID: pH 7	LOT #: 21380102	EXP. DATE:	4/23
ID: pH 4	LOT #: 21470032	EXP. DATE:	4/23
ID: Cond	LOT #: 21470032	EXP. DATE:	4/23
ID: ORP	LOT #: 21140143	EXP. DATE:	4/23
ID:	LOT #:	EXP. DATE:	
ID:	LOT #:	EXP. DATE:	

Calibration Date: 2-22-22

midday pH check = 7.05

RDO: 100% sat. = 101.18

PH: 4.00 = 4.20 7.00 = 7.08 10.00 = 10.05

CONDUCTIVITY: 4490 = 4464

ORP (mV) 228 = 223.6

Calibration Date: 2-23-22

midday pH check = 7.07

RDO: 100% sat. = 98.38

PH: 4.00 = 4.04 7.00 = 7.04 10.00 = 10.03

CONDUCTIVITY: 4490 = 4596

ORP (mV) 228 = 231.8

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh LF4

TECHNICIAN: T. Goble

INSTRUMENT S/N: HACH 2000Q

INSTRUMENT TYPE: 1604OC049767

CAL. SOLUTION:

0 NTU - LOT #	—	EXP. DATE:	New DI
10 NTU - LOT #	2961801	EXP. DATE:	4/22
20 NTU - LOT #	2684801	EXP. DATE:	4/22

Calibration Date: 2-22-22

Calibation Solution	Instrument Reading	
0.0	0.22	NTU
10.0	10.2	NTU
20.0	19.4	NTU

100 = 99.8

800 = 805

Calibration Date: 2-23-22

Calibation Solution	Instrument Reading	
0.0	0.26	NTU
10.0	10.2	NTU
20.0	20.8	NTU

100 = 102

800 = 804

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh LF #4

TECHNICIAN: Toby Johnsen

WATER LEVEL: Solinst

WATER LEVEL S/N: 322101

INSTRUMENT S/N: 843593

INSTRUMENT TYPE: AquaTroll 400

CAL. SOLUTION/S:

ID: pH 7	LOT # : 16I081	EXP. DATE:	9/23
ID: pH10	LOT # : 16F458	EXP. DATE:	6/23
ID: pH4	LOT # : 166104	EXP. DATE:	7/23
ID: 1.413 conductivity	LOT # : 166973	EXP. DATE:	7/22
ID: ORP	LOT # : 16K009	EXP. DATE:	8/22
ID:	LOT # :	EXP. DATE:	
ID:	LOT # :	EXP. DATE:	

Calibration Date: 2/22/22

RDO: 100% sat. = 112.90

PH: 4.00 = 4.13 7.00 = 7.08 10.00 = 10.02 PH : 7.01

CONDUCTIVITY: 1531.9

ORP (mV) 233.2

Mid day check

Calibration Date: 2/23/22

RDO: 100% sat. = 91.48

PH: 4.00 = 4.02 7.00 = 7.02 10.00 = 10.05 PH : 7.02

CONDUCTIVITY: 1198.5

ORP (mV) 235.3

Mid day check

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh LF #4

TECHNICIAN: Toby Johnson

INSTRUMENT S/N: 12050C017682

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION: 0 NTU - LOT # D.I water EXP. DATE: New

10 NTU - LOT # A1062 EXP. DATE: 6/22

20 NTU - LOT # Z681801 EXP. DATE: 4/22

Calibration Date: 2/22/22

Calibation Solution	Instrument Reading	
0.0	0.31	NTU
10.0	9.26	NTU
20.0	20.2	NTU

Calibration Date: 2/23/22

Calibation Solution	Instrument Reading	
0.0	0.21	NTU
10.0	9.90	NTU
20.0	20.1	NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: McIntosh AP-1

TECHNICIAN: J Bedford

WATER LEVEL: Solinst

WATER LEVEL S/N: 267304

INSTRUMENT S/N: 884179

INSTRUMENT TYPE: AquaTroll

CAL. SOLUTION/S:

ID	LOT #	EXP. DATE
ID: Auto Cal	LOT #: 21070143	EXP. DATE: 8/22
ID: pH 7	LOT #: 21400bb	EXP. DATE: 8/22
ID: pH 10	LOT #: 21080184	EXP. DATE: 6/22
ID: ORP	LOT #: 21140141	EXP. DATE: 8/22
ID: Cond	LOT #: 1614948	EXP. DATE: 8/22
ID:	LOT #:	EXP. DATE:
ID:	LOT #:	EXP. DATE:

Midday pH check

Must be less that .10

(6.90-7.10 range)

Recalibrate if not within range

Calibration Date: 2/22/22

RDO: 100% sat. = 104%

PH: 4.00 = 4.21 7.00 = 6.98 10.00 = 10.07

PH Recal (if needed): 4.00 = 7.00 = 10.00 =

CONDUCTIVITY: 1413 = 1542

ORP (mV) 228 = 223.4

Midday pH check

7.0 = 6.96

7.0= post recal check

Calibration Date: 2/23/22

RDO: 100% sat. = 98.6%

PH: 4.00 = 4.13 7.00 = 7.02 10.00 = 9.81

PH Recal (if needed): 4.00 = 7.00 = 10.00 =

CONDUCTIVITY: 1413 = 1442

ORP (mV) 228 = 233.1

Midday pH check

7.0 = 7.03

7.0= post recal check

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

PH Recal (if needed): 4.00 = 7.00 = 10.00 =

CONDUCTIVITY: =

ORP (mV) =

Midday pH check

7.0 =

7.0= post recal check

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

PH Recal (if needed): 4.00 = 7.00 = 10.00 =

CONDUCTIVITY: =

ORP (mV) =

Midday pH check

7.0 =

7.0= post recal check

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

PH Recal (if needed): 4.00 = 7.00 = 10.00 =

CONDUCTIVITY: =

ORP (mV) =

Midday pH check

7.0 =

7.0= post recal check

Atlantic Coast Consulting, Inc.

Daily Instrument Calibration Log

SITE: Plant McIntosh

TECHNICIAN: J Beresford

INSTRUMENT S/N: 15040C040490

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:

0 NTU - LOT # N/A — EXP. DATE: DI H_2O

10 NTU - LOT # A1013 EXP. DATE: 4/22

20 NTU - LOT # A1013 EXP. DATE: 4/22

Calibration Date: 2/22/22

Calibation Solution	Instrument Reading	
0.0	0.54	NTU
10.0	9.78	NTU
20.0	21.2	NTU

Calibration Date: 2/23/22

Calibation Solution	Instrument Reading	
0.0	0.41	NTU
10.0	9.82	NTU
20.0	20.8	NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

1 - Location/Identification		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".

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

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".

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

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".

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

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".

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

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:

Staff: T. Goble
Date: 2/22/2022

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

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

1 - Location/Identification		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".

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

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".

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

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".

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

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".

Plant McIntosh Landfill No. 4
February 2022 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

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:

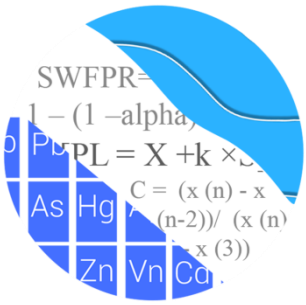
Staff: T. Goble
Date: 2/22/2022

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

APPENDIX B
STATISTICAL ANALYSIS REPORT

GROUNDWATER STATS CONSULTING

August 31, 2022



Southern Company Services
Attn: Ms. Lauren Coker
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant McIntosh Landfill #4
February 2022 Background Update and Statistical Analysis

Dear Ms. Coker,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide background update and statistical analysis of the February 2022 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, GWA-4A, GWA-5, GWA-13, GWA-14, GWA-15, GWA-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 Kristina Rayner, Founder and Senior Statistician to Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III -** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD 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 Appendix I 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. 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 are provided in this 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-2 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 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance

(2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the 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.

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 GWA-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.

Summary of Background Updates

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 GWC-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.

Appendix I and Appendix III Background Update Summary – Conducted in March 2022

Outlier Testing

Prior to updating background data during this analysis, Tukey's outlier test and visual screening were used to re-evaluate data through August 2021 at all wells for parameters using intrawell prediction limits (All Appendix I parameters and sulfate for Appendix III parameters) and through February 2022 at all upgradient wells for parameters utilizing interwell prediction limits (boron, calcium, chloride, fluoride, pH, and TDS). Tukey's test confirmed previously flagged values and identified potential outliers, but not all of these values were flagged as some measurements appeared to be representative of natural variation. Among the identified values, the highest values for chloride in upgradient well GWA-5, cobalt in downgradient well GWC-12, vanadium in wells GWC-10 and GWC-11, and zinc in upgradient well GWC-18. Although not identified by Tukey's test, high values for vanadium in downgradient wells GWC-9 and GWC-12 were flagged as outliers. This step results in conservative (i.e., lower) limits from a regulatory perspective. 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. A summary of flagged outliers follows this letter (Figure C).

Mann Whitney Testing - Intrawell

For constituents requiring intrawell prediction limits (All Appendix I parameters and sulfate for Appendix III parameters), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through July 2018 for Appendix I constituents and through September 2019 for Appendix III constituents to the medians of the new compliance samples at each well through August 2021 (Figures D and E, respectively). Previously truncated data sets discussed above were also compared to the most recent set of measurements through August 2021. 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.

Several statistically significant differences were found between the two groups for the Appendix I and III constituents. 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 in which at least one of the segments being compared is

of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

In most cases with significant differences for Appendix I parameters, either the current reported measurements were similar to those reported historically, or the magnitudes of the differences in medians were low relative to average concentrations, including the increases in medians for vanadium in downgradient well GWC-10 and thallium in upgradient well GWC-18. For vanadium in GWC-10, the compliance values are within historical concentrations at this well; and for thallium in upgradient well GWC-18, the increase in median value is influence by historical trace values and the compliance values are not above the reporting limit. The records for these well/constituent pairs were updated through August 2021.

Exceptions were the decreases in medians for barium in upgradient well GWC-18 and downgradient wells GWC-19, GWC-20, and GWC-23 and for cobalt in downgradient well GWC-20. For these well/constituent pairs, earlier portions of the records were truncated for the construction of prediction limits in order represent present-day groundwater quality.

Regarding Appendix III parameters that are tested using intrawell prediction limits (sulfate), no statistically significant increases in medians were identified; however, statistically significant decreases in medians were identified for sulfate in downgradient well GWC-23 and upgradient well GWC-18. The records for these well/constituent pairs were updated because the lower concentrations for downgradient well GWC-23 resulted in construction of a more conservative (i.e., lower) statistical limit while the lower concentrations for GWC-18 are upgradient of the facility and resulted in a marginal increase in statistical limits. For upgradient well GWA-14 and downgradient wells GWC-17 and GWC-20, earlier portions of the records were truncated for similar reasons as Appendix I parameters stated above.

All other records were updated through August 2021. A summary of special cases with background data sets utilizing a truncated portion of their record follows this letter.

Interwell – Trend Test Evaluation

For parameters which are tested using interwell prediction limits, the Sen's Slope/Mann-Kendall trend test was used to test data in upgradient wells to determine whether concentrations are statistically increasing, decreasing or stable (Figure F). Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- None

Decreasing

- Calcium: GWA-4A, and GWC-18
- Chloride: GWA-3
- pH: GWA-5, GWA-14, GWA-16, and GWC-18

Although decreasing trends were identified for calcium, chloride, and pH in among upgradient wells, the magnitude of the decrease is marginal relative to the concentrations; therefore, no adjustments were made at this time. As more data are collected, all upgradient well data will be re-evaluated for possible deselection of earlier portions of the records if the measurements no longer represent present-day groundwater quality conditions.

Statistical Analysis of Georgia EPD Appendix I Constituents – February 2022

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-2 resample plan, were constructed using all available data, except for the cases mentioned above, through August 2021 within each well with detections. (Figure G). 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-2 resample plan allows for collection of two additional samples to determine whether the initial exceedance is confirmed. When the resample confirms 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. Statistical exceedances were noted for the following well/constituent pairs:

- Lead: GWA-2 (upgradient)
- Zinc: GWA-16 (upgradient) and GWC-23

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 exceedance for zinc in downgradient well GWC-23 (Figure H). The reported measurement for zinc of 0.017 mg/L in downgradient well GWC-23 was within the respective interwell prediction limit of 0.045 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 I). 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. The following statistically significant trend was noted:

Increasing
- Zinc: GWA-14 (upgradient)

Statistical Analysis of CCR Appendix III Parameters – February 2022

Intrawell Prediction Limits

For sulfate, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through August 2021 (Figure J). 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 February 2022 samples are compared to these intrawell background limits during this sample event. Exceedances were identified for the following well/constituent pairs:

- Sulfate: GWC-12 and GWC-19

Two-Step Approach

Following the Two-Step approach, an interwell prediction limit using pooled upgradient well data was then constructed to further evaluate the apparent intrawell prediction limit exceedances for sulfate (Figure K). The reported measurements of sulfate in wells GWC-12 and GWC-19 did not exceed the respective limit; therefore, no statistically significant increases are identified and no further action is necessary.

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 February 2022 (Figure L). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2022 sample from each downgradient well is compared to the background limit to determine whether SSIs are present.

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. Exceedances were identified for the following well/constituent pairs:

- Chloride: GWC-9

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 M). 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. The following statistically significant trends were noted:

Increasing:

- None

Decreasing:

- Chloride: GWA-3 (upgradient) and GWC-9
- Sulfate: GWA-14 and GWC-17 (both upgradient)

Summary

Georgia EPD Appendix I

Based on the results of the Appendix I prediction limits, the following exceedances were identified:

Appendix I Intrawell

- Lead: GWA-2 (upgradient)
- Zinc: GWA-16 (upgradient) and GWC-23

After testing using the two-step approach for the apparent zinc exceedance, no exceedance was identified.

CCR Appendix III

Based on the results of the Appendix I and III constituents requiring interwell prediction limits, the following exceedances were identified:

Appendix III Intrawell

- Sulfate: GWC-12 and GWC-19

Appendix III Interwell:

- Chloride: GWC-9

After testing using the two-step approach for the apparent sulfate exceedances, no exceedances were identified.

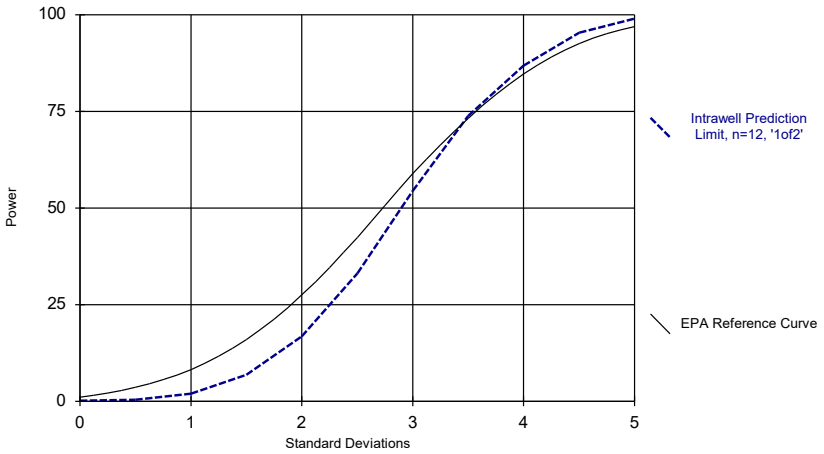
Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant McIntosh's Landfill #4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Andrew Collins
Project Manager

Kristina Rayner
Senior Statistician

Appendix I Intrawell Power Curve



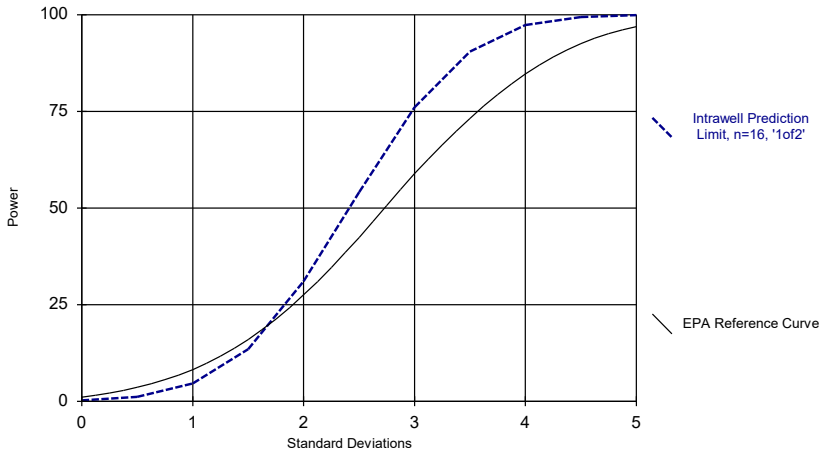
Kappa = 2.874, based on 9 compliance wells and 15 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/5/2022 3:00 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.32j Groundwater Stats Consulting. UG

Appendix III Intrawell Power Curve



Kappa = 2.351, based on 9 compliance wells and 7 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 4/5/2022 3:00 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

100% Non-Detects: Appendix I

Analysis Run 4/5/2022 3:18 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Antimony (mg/L)
GWA-16, GWC-1, GWC-10, GWC-11, GWC-12, GWA-15, GWC-17, GWC-19, GWC-20, GWC-21, GWC-23, GWA-4A, GWA-5, GWC-9

Arsenic (mg/L)
GWA-2

Cadmium (mg/L)
GWA-2, GWA-3, GWC-1, GWC-10, GWC-11, GWC-12, GWA-15, GWA-5, GWC-9

Copper (mg/L)
GWC-10

Lead (mg/L)
GWA-3, GWC-1, GWC-10, GWC-12, GWA-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, GWA-2, GWA-3, GWC-1, GWC-10, GWC-12, GWA-15, GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-23, GWA-4A, GWA-5, GWC-9

Thallium (mg/L)
GWC-1, GWA-15

Date Ranges

Date: 8/2/2022 3:42 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Barium (mg/L)
- GWA-2 background:1/16/2015-8/17/2021
- GWC-1 background:1/20/2013-8/18/2021
- GWC-18 background:8/11/2016-8/19/2021
- GWC-19 background:4/19/2016-8/19/2021
- GWC-20 background:6/16/2016-8/19/2021
- GWC-23 background:7/13/2017-8/19/2021
- GWA-5 background:1/19/2013-8/19/2021

Cobalt (mg/L)
- GWC-20 background:6/16/2016-8/19/2021

Sulfate (mg/L)
- GWA-14 background:8/9/2016-8/17/2021
- GWC-17 background:6/15/2016-8/19/2021
- GWC-20 background:8/10/2016-8/19/2021

Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:38 PM

Constituent	Well	Calc.	0.01	Method
Arsenic (mg/L)	**GWC-10**	**-4.461**	**Yes**	**Mann-W**
Barium (mg/L)	**GWC-12**	**-2.742**	**Yes**	**Mann-W**
Barium (mg/L)	**GWC-18 (bg)**	**-2.952**	**Yes**	**Mann-W**
Barium (mg/L)	**GWC-20**	**-3.272**	**Yes**	**Mann-W**
Barium (mg/L)	**GWC-23**	**-3.545**	**Yes**	**Mann-W**
Beryllium (mg/L)	**GWC-11**	**-3.333**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWA-3 (bg)**	**-4.002**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-20**	**-3.677**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-21**	**-2.687**	**Yes**	**Mann-W**
Copper (mg/L)	**GWC-12**	**-3.065**	**Yes**	**Mann-W**
Copper (mg/L)	**GWA-4A (bg)**	**-3.452**	**Yes**	**Mann-W**
Copper (mg/L)	**GWC-9**	**-2.737**	**Yes**	**Mann-W**
Lead (mg/L)	**GWA-4A (bg)**	**-3.333**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-14 (bg)**	**-2.95**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-16 (bg)**	**-3.088**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-2 (bg)**	**-4.253**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-3 (bg)**	**-4.285**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-1**	**-3.272**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-11**	**-3.889**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-12**	**-3.788**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-15 (bg)**	**-2.691**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-17 (bg)**	**-3.386**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-20**	**-3.314**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-21**	**-2.8**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-4A (bg)**	**-3.372**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-5 (bg)**	**-3.648**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-9**	**-3.731**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWA-2 (bg)**	**-4.006**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWA-3 (bg)**	**-3.246**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-10**	**-4.006**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-12**	**-3.246**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-18 (bg)**	**2.811**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWC-10**	**3.575**	**Yes**	**Mann-W**

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:38 PM

Constituent	Well	Calc.	0.01	Method
Antimony (mg/L)	GWA-13 (bg)	-1.606	No	Mann-W
Antimony (mg/L)	GWA-14 (bg)	-1.606	No	Mann-W
Antimony (mg/L)	GWA-2 (bg)	-2.361	No	Mann-W
Antimony (mg/L)	GWA-3 (bg)	-1.956	No	Mann-W
Antimony (mg/L)	GWC-18 (bg)	0.5669	No	Mann-W
Arsenic (mg/L)	GWA-13 (bg)	-1.606	No	Mann-W
Arsenic (mg/L)	GWA-14 (bg)	-1.606	No	Mann-W
Arsenic (mg/L)	GWA-16 (bg)	-1.606	No	Mann-W
Arsenic (mg/L)	GWA-3 (bg)	1.75	No	Mann-W
Arsenic (mg/L)	GWC-1	-2.361	No	Mann-W
Arsenic (mg/L)	**GWC-10**	**-4.461**	**Yes**	**Mann-W**
Arsenic (mg/L)	GWC-11	-2.379	No	Mann-W
Arsenic (mg/L)	GWC-12	0.2895	No	Mann-W
Arsenic (mg/L)	GWA-15 (bg)	-1.483	No	Mann-W
Arsenic (mg/L)	GWC-17 (bg)	-0.8594	No	Mann-W
Arsenic (mg/L)	GWC-18 (bg)	-0.2697	No	Mann-W
Arsenic (mg/L)	GWC-19	-0.1712	No	Mann-W
Arsenic (mg/L)	GWC-20	-0.05705	No	Mann-W
Arsenic (mg/L)	GWC-21	-1.254	No	Mann-W
Arsenic (mg/L)	GWC-23	-0.7462	No	Mann-W
Arsenic (mg/L)	GWA-4A (bg)	-1.814	No	Mann-W
Arsenic (mg/L)	GWA-5 (bg)	-1.357	No	Mann-W
Arsenic (mg/L)	GWC-9	-2.496	No	Mann-W
Barium (mg/L)	GWA-13 (bg)	2.095	No	Mann-W
Barium (mg/L)	GWA-14 (bg)	0.6477	No	Mann-W
Barium (mg/L)	GWA-16 (bg)	0.5726	No	Mann-W
Barium (mg/L)	GWA-2 (bg)	2.442	No	Mann-W
Barium (mg/L)	GWA-3 (bg)	-0.2961	No	Mann-W
Barium (mg/L)	GWC-1	-0.1673	No	Mann-W
Barium (mg/L)	GWC-10	0.1608	No	Mann-W
Barium (mg/L)	GWC-11	0.03318	No	Mann-W
Barium (mg/L)	**GWC-12**	**-2.742**	**Yes**	**Mann-W**
Barium (mg/L)	GWA-15 (bg)	0.4761	No	Mann-W
Barium (mg/L)	GWC-17 (bg)	0.6992	No	Mann-W
Barium (mg/L)	**GWC-18 (bg)**	**-2.952**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-19	-2.521	No	Mann-W
Barium (mg/L)	**GWC-20**	**-3.272**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-21	0.7732	No	Mann-W
Barium (mg/L)	**GWC-23**	**-3.545**	**Yes**	**Mann-W**
Barium (mg/L)	GWA-4A (bg)	-1.702	No	Mann-W
Barium (mg/L)	GWA-5 (bg)	1.188	No	Mann-W
Barium (mg/L)	GWC-9	1.755	No	Mann-W
Beryllium (mg/L)	GWA-13 (bg)	-1.299	No	Mann-W
Beryllium (mg/L)	GWA-14 (bg)	-0.6149	No	Mann-W
Beryllium (mg/L)	GWA-16 (bg)	-0.6149	No	Mann-W
Beryllium (mg/L)	GWA-2 (bg)	-2.366	No	Mann-W
Beryllium (mg/L)	GWA-3 (bg)	0.5778	No	Mann-W
Beryllium (mg/L)	GWC-1	-1.207	No	Mann-W
Beryllium (mg/L)	GWC-10	-0.8077	No	Mann-W
Beryllium (mg/L)	**GWC-11**	**-3.333**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-12	-0.5486	No	Mann-W
Beryllium (mg/L)	GWA-15 (bg)	0.5669	No	Mann-W
Beryllium (mg/L)	GWC-17 (bg)	1.769	No	Mann-W
Beryllium (mg/L)	GWC-18 (bg)	-1.606	No	Mann-W
Beryllium (mg/L)	GWC-19	0.0369	No	Mann-W
Beryllium (mg/L)	GWC-20	-1.293	No	Mann-W
Beryllium (mg/L)	GWC-21	-0.7515	No	Mann-W
Beryllium (mg/L)	GWC-23	-1.907	No	Mann-W
Beryllium (mg/L)	GWA-4A (bg)	-1.834	No	Mann-W
Beryllium (mg/L)	GWA-5 (bg)	0.7144	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:38 PM

Constituent	Well	Calc.	0.01	Method
Beryllium (mg/L)	GWC-9	-1.834	No	Mann-W
Cadmium (mg/L)	GWA-13 (bg)	-0.7515	No	Mann-W
Cadmium (mg/L)	GWA-14 (bg)	-0.6149	No	Mann-W
Cadmium (mg/L)	GWA-16 (bg)	-1.606	No	Mann-W
Cadmium (mg/L)	GWC-17 (bg)	-1.171	No	Mann-W
Cadmium (mg/L)	GWC-18 (bg)	0.5669	No	Mann-W
Cadmium (mg/L)	GWC-19	-0.7583	No	Mann-W
Cadmium (mg/L)	GWC-20	0.07589	No	Mann-W
Cadmium (mg/L)	GWC-21	-0.9605	No	Mann-W
Cadmium (mg/L)	GWC-23	-1.907	No	Mann-W
Cadmium (mg/L)	GWA-4A (bg)	-0.8077	No	Mann-W
Chromium (mg/L)	GWA-13 (bg)	-0.2666	No	Mann-W
Chromium (mg/L)	GWA-14 (bg)	0.7086	No	Mann-W
Chromium (mg/L)	GWA-16 (bg)	0.9768	No	Mann-W
Chromium (mg/L)	GWA-2 (bg)	-0.6298	No	Mann-W
Chromium (mg/L)	GWA-3 (bg)	0.03365	No	Mann-W
Chromium (mg/L)	GWC-1	0.3492	No	Mann-W
Chromium (mg/L)	GWC-10	1.128	No	Mann-W
Chromium (mg/L)	GWC-11	-1.605	No	Mann-W
Chromium (mg/L)	GWC-12	-0.4033	No	Mann-W
Chromium (mg/L)	GWA-15 (bg)	0.4089	No	Mann-W
Chromium (mg/L)	GWC-17 (bg)	0.7101	No	Mann-W
Chromium (mg/L)	GWC-18 (bg)	2.412	No	Mann-W
Chromium (mg/L)	GWC-19	-0.07089	No	Mann-W
Chromium (mg/L)	GWC-20	-0.05238	No	Mann-W
Chromium (mg/L)	GWC-21	0.6739	No	Mann-W
Chromium (mg/L)	GWC-23	0.2062	No	Mann-W
Chromium (mg/L)	GWA-4A (bg)	0.2387	No	Mann-W
Chromium (mg/L)	GWA-5 (bg)	0.5535	No	Mann-W
Chromium (mg/L)	GWC-9	0.1778	No	Mann-W
Cobalt (mg/L)	GWA-13 (bg)	-0.7044	No	Mann-W
Cobalt (mg/L)	GWA-14 (bg)	-1.999	No	Mann-W
Cobalt (mg/L)	GWA-16 (bg)	-0.8044	No	Mann-W
Cobalt (mg/L)	GWA-2 (bg)	-2.438	No	Mann-W
Cobalt (mg/L)	**GWA-3 (bg)**	**-4.002**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-1	-1.418	No	Mann-W
Cobalt (mg/L)	GWC-10	-0.8811	No	Mann-W
Cobalt (mg/L)	GWC-11	-1.574	No	Mann-W
Cobalt (mg/L)	GWC-12	-2.573	No	Mann-W
Cobalt (mg/L)	GWA-15 (bg)	-1.476	No	Mann-W
Cobalt (mg/L)	GWC-17 (bg)	-1.776	No	Mann-W
Cobalt (mg/L)	GWC-18 (bg)	-0.7515	No	Mann-W
Cobalt (mg/L)	GWC-19	0.4165	No	Mann-W
Cobalt (mg/L)	**GWC-20**	**-3.677**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-21**	**-2.687**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-23	-2.039	No	Mann-W
Cobalt (mg/L)	GWA-4A (bg)	0.3602	No	Mann-W
Cobalt (mg/L)	GWA-5 (bg)	-2.364	No	Mann-W
Cobalt (mg/L)	GWC-9	-2.248	No	Mann-W
Copper (mg/L)	GWA-13 (bg)	-1.315	No	Mann-W
Copper (mg/L)	GWA-14 (bg)	-0.4356	No	Mann-W
Copper (mg/L)	GWA-16 (bg)	1.133	No	Mann-W
Copper (mg/L)	GWA-2 (bg)	-0.5431	No	Mann-W
Copper (mg/L)	GWA-3 (bg)	-2.479	No	Mann-W
Copper (mg/L)	GWC-1	-2.139	No	Mann-W
Copper (mg/L)	GWC-11	-2.156	No	Mann-W
Copper (mg/L)	**GWC-12**	**-3.065**	**Yes**	**Mann-W**
Copper (mg/L)	GWA-15 (bg)	0.7171	No	Mann-W
Copper (mg/L)	GWC-17 (bg)	-0.807	No	Mann-W
Copper (mg/L)	GWC-18 (bg)	-0.2855	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:38 PM

Constituent	Well	Calc.	0.01	Method
Copper (mg/L)	GWC-19	-0.2613	No	Mann-W
Copper (mg/L)	GWC-20	-0.2613	No	Mann-W
Copper (mg/L)	GWC-21	0.3106	No	Mann-W
Copper (mg/L)	GWC-23	-0.4263	No	Mann-W
Copper (mg/L)	**GWA-4A (bg)**	**-3.452**	**Yes**	**Mann-W**
Copper (mg/L)	GWA-5 (bg)	-0.04865	No	Mann-W
Copper (mg/L)	**GWC-9**	**-2.737**	**Yes**	**Mann-W**
Lead (mg/L)	GWA-13 (bg)	-1.606	No	Mann-W
Lead (mg/L)	GWA-14 (bg)	-2.254	No	Mann-W
Lead (mg/L)	GWA-16 (bg)	-2.254	No	Mann-W
Lead (mg/L)	GWA-2 (bg)	-2.361	No	Mann-W
Lead (mg/L)	GWC-11	-1.962	No	Mann-W
Lead (mg/L)	GWC-18 (bg)	-2.546	No	Mann-W
Lead (mg/L)	GWC-20	-1.606	No	Mann-W
Lead (mg/L)	GWC-21	-0.7515	No	Mann-W
Lead (mg/L)	GWC-23	-1.907	No	Mann-W
Lead (mg/L)	**GWA-4A (bg)**	**-3.333**	**Yes**	**Mann-W**
Lead (mg/L)	GWA-5 (bg)	-0.5631	No	Mann-W
Nickel (mg/L)	GWA-13 (bg)	-2.274	No	Mann-W
Nickel (mg/L)	**GWA-14 (bg)**	**-2.95**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-16 (bg)**	**-3.088**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-2 (bg)**	**-4.253**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-3 (bg)**	**-4.285**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-1**	**-3.272**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-10	-0.2819	No	Mann-W
Nickel (mg/L)	**GWC-11**	**-3.889**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-12**	**-3.788**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-15 (bg)**	**-2.691**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-17 (bg)**	**-3.386**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-18 (bg)	-2.076	No	Mann-W
Nickel (mg/L)	GWC-19	-1.818	No	Mann-W
Nickel (mg/L)	**GWC-20**	**-3.314**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-21**	**-2.8**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-23	-1.149	No	Mann-W
Nickel (mg/L)	**GWA-4A (bg)**	**-3.372**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-5 (bg)**	**-3.648**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-9**	**-3.731**	**Yes**	**Mann-W**
Selenium (mg/L)	GWA-13 (bg)	0.5669	No	Mann-W
Selenium (mg/L)	GWA-16 (bg)	0.5669	No	Mann-W
Selenium (mg/L)	GWA-2 (bg)	0.7342	No	Mann-W
Selenium (mg/L)	GWA-3 (bg)	0.9898	No	Mann-W
Selenium (mg/L)	GWC-1	0.5778	No	Mann-W
Selenium (mg/L)	GWC-10	0.5778	No	Mann-W
Selenium (mg/L)	GWC-11	1.103	No	Mann-W
Selenium (mg/L)	GWA-15 (bg)	0.5669	No	Mann-W
Selenium (mg/L)	GWC-18 (bg)	0.5669	No	Mann-W
Selenium (mg/L)	GWC-19	0.5669	No	Mann-W
Selenium (mg/L)	GWC-20	0.5669	No	Mann-W
Selenium (mg/L)	GWC-21	0.5669	No	Mann-W
Selenium (mg/L)	GWA-4A (bg)	0.7342	No	Mann-W
Selenium (mg/L)	GWA-5 (bg)	0.3679	No	Mann-W
Selenium (mg/L)	GWC-9	-0.4971	No	Mann-W
Silver (mg/L)	GWC-11	0.4073	No	Mann-W
Thallium (mg/L)	GWA-13 (bg)	-0.7583	No	Mann-W
Thallium (mg/L)	GWA-14 (bg)	-1.971	No	Mann-W
Thallium (mg/L)	GWA-16 (bg)	-2.254	No	Mann-W
Thallium (mg/L)	**GWA-2 (bg)**	**-4.006**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWA-3 (bg)**	**-3.246**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-10**	**-4.006**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-11	-2.343	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:39 PM

Constituent	Well	Calc.	0.01	Method
Thallium (mg/L)	**GWC-12**	**-3.246**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-17 (bg)	1.774	No	Mann-W
Thallium (mg/L)	**GWC-18 (bg)**	**2.811**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-19	-1.369	No	Mann-W
Thallium (mg/L)	GWC-20	1.271	No	Mann-W
Thallium (mg/L)	GWC-21	-0.05705	No	Mann-W
Thallium (mg/L)	GWC-23	-0.2699	No	Mann-W
Thallium (mg/L)	GWA-4A (bg)	-1.28	No	Mann-W
Thallium (mg/L)	GWA-5 (bg)	0.3728	No	Mann-W
Thallium (mg/L)	GWC-9	-2.3	No	Mann-W
Vanadium (mg/L)	GWA-13 (bg)	1.181	No	Mann-W
Vanadium (mg/L)	GWA-14 (bg)	1.307	No	Mann-W
Vanadium (mg/L)	GWA-16 (bg)	1.247	No	Mann-W
Vanadium (mg/L)	GWA-2 (bg)	1.635	No	Mann-W
Vanadium (mg/L)	GWA-3 (bg)	0.9645	No	Mann-W
Vanadium (mg/L)	GWC-1	1.118	No	Mann-W
Vanadium (mg/L)	**GWC-10**	**3.575**	**Yes**	**Mann-W**
Vanadium (mg/L)	GWC-11	-1.907	No	Mann-W
Vanadium (mg/L)	GWC-12	1.195	No	Mann-W
Vanadium (mg/L)	GWA-15 (bg)	1.115	No	Mann-W
Vanadium (mg/L)	GWC-17 (bg)	2.164	No	Mann-W
Vanadium (mg/L)	GWC-18 (bg)	1.278	No	Mann-W
Vanadium (mg/L)	GWC-19	-1.215	No	Mann-W
Vanadium (mg/L)	GWC-20	0.3633	No	Mann-W
Vanadium (mg/L)	GWC-21	0.05709	No	Mann-W
Vanadium (mg/L)	GWC-23	0.1734	No	Mann-W
Vanadium (mg/L)	GWA-4A (bg)	1.666	No	Mann-W
Vanadium (mg/L)	GWA-5 (bg)	1.602	No	Mann-W
Vanadium (mg/L)	GWC-9	1.631	No	Mann-W
Zinc (mg/L)	GWA-13 (bg)	2.061	No	Mann-W
Zinc (mg/L)	GWA-14 (bg)	2.096	No	Mann-W
Zinc (mg/L)	GWA-16 (bg)	1.012	No	Mann-W
Zinc (mg/L)	GWA-2 (bg)	0.572	No	Mann-W
Zinc (mg/L)	GWA-3 (bg)	0.4328	No	Mann-W
Zinc (mg/L)	GWC-1	0.3332	No	Mann-W
Zinc (mg/L)	GWC-10	0.7992	No	Mann-W
Zinc (mg/L)	GWC-11	0.4549	No	Mann-W
Zinc (mg/L)	GWC-12	1.99	No	Mann-W
Zinc (mg/L)	GWA-15 (bg)	1.197	No	Mann-W
Zinc (mg/L)	GWC-17 (bg)	-0.2459	No	Mann-W
Zinc (mg/L)	GWC-18 (bg)	0.7167	No	Mann-W
Zinc (mg/L)	GWC-19	1.466	No	Mann-W
Zinc (mg/L)	GWC-20	-0.05287	No	Mann-W
Zinc (mg/L)	GWC-21	0.1585	No	Mann-W
Zinc (mg/L)	GWC-23	-2.07	No	Mann-W
Zinc (mg/L)	GWA-4A (bg)	-0.01954	No	Mann-W
Zinc (mg/L)	GWA-5 (bg)	0.4613	No	Mann-W
Zinc (mg/L)	GWC-9	0.9141	No	Mann-W

Appendix III Welch's t-test/Mann-Whitney - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:43 PM

Constituent	Well	Calc.	0.01	Method
Sulfate (mg/L)	**GWC-18 (bg)**	**-2.822**	**Yes**	**Mann-W**
Sulfate (mg/L)	**GWC-23**	**-2.731**	**Yes**	**Mann-W**

Appendix III Welch's t-test/Mann-Whitney - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:43 PM

Constituent	Well	Calc.	0.01	Method
Sulfate (mg/L)	GWA-13 (bg)	0.302	No	Mann-W
Sulfate (mg/L)	GWA-14 (bg)	-0.9663	No	Mann-W
Sulfate (mg/L)	GWA-16 (bg)	-1.075	No	Mann-W
Sulfate (mg/L)	GWA-2 (bg)	0	No	Mann-W
Sulfate (mg/L)	GWA-3 (bg)	-0.398	No	Mann-W
Sulfate (mg/L)	GWC-1	0.3752	No	Mann-W
Sulfate (mg/L)	GWC-10	-1.224	No	Mann-W
Sulfate (mg/L)	GWC-11	-0.2662	No	Mann-W
Sulfate (mg/L)	GWC-12	-0.8222	No	Mann-W
Sulfate (mg/L)	GWA-15 (bg)	-1.632	No	Mann-W
Sulfate (mg/L)	GWC-17 (bg)	-1.192	No	Mann-W
Sulfate (mg/L)	**GWC-18 (bg)**	**-2.822**	**Yes**	**Mann-W**
Sulfate (mg/L)	GWC-19	0.3738	No	Mann-W
Sulfate (mg/L)	GWC-20	-1.544	No	Mann-W
Sulfate (mg/L)	GWC-21	-1.925	No	Mann-W
Sulfate (mg/L)	**GWC-23**	**-2.731**	**Yes**	**Mann-W**
Sulfate (mg/L)	GWA-4A (bg)	-1.913	No	Mann-W
Sulfate (mg/L)	GWA-5 (bg)	0.2016	No	Mann-W
Sulfate (mg/L)	GWC-9	0.05473	No	Mann-W

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**GWC-18 (bg)**	**-1.808**	**-158**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-4A (bg)**	**-0.2005**	**-127**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**GWA-3 (bg)**	**-0.7892**	**-142**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWA-14 (bg)**	**-0.04402**	**-98**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWA-16 (bg)**	**-0.03903**	**-94**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWC-18 (bg)**	**-0.1282**	**-132**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWA-5 (bg)**	**-0.07045**	**-109**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Upgradient Wells - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GWA-13 (bg)	0	-7	-74	No	19	84.21	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-14 (bg)	0	31	74	No	19	89.47	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-16 (bg)	0	1	74	No	19	89.47	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	0	16	74	No	19	73.68	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	0	-11	-74	No	19	84.21	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-15 (bg)	0	16	74	No	19	94.74	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-17 (bg)	0	16	74	No	19	94.74	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-18 (bg)	0	16	74	No	19	94.74	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4A (bg)	0	14	74	No	19	78.95	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-5 (bg)	0	5	74	No	19	89.47	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-13 (bg)	0.01651	48	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-14 (bg)	0	-11	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-16 (bg)	0.008548	59	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	-0.02944	-66	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	-0.005685	-24	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-15 (bg)	0.06952	62	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17 (bg)	0	-10	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**GWC-18 (bg)**	**-1.808**	**-158**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-4A (bg)**	**-0.2005**	**-127**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWA-5 (bg)	-0.04011	-27	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-13 (bg)	0.02934	29	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-14 (bg)	-0.05214	-51	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-16 (bg)	0	-7	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.03728	-33	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWA-3 (bg)**	**-0.7892**	**-142**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWA-15 (bg)	0	2	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-17 (bg)	0.07026	53	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-18 (bg)	-0.06718	-44	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4A (bg)	0.09648	52	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-5 (bg)	0.05267	33	68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-13 (bg)	0	3	74	No	19	84.21	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-14 (bg)	0	-12	-74	No	19	78.95	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-16 (bg)	0	-3	-74	No	19	84.21	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-2 (bg)	0	-9	-74	No	19	68.42	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-3 (bg)	0	-3	-74	No	19	84.21	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-15 (bg)	0	-12	-74	No	19	78.95	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWC-17 (bg)	-0.006675	-49	-74	No	19	5.263	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWC-18 (bg)	-0.02027	-58	-81	No	20	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-4A (bg)	0	1	74	No	19	84.21	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-5 (bg)	0	-35	-74	No	19	68.42	n/a	n/a	0.01	NP
pH (S.U.)	GWA-13 (bg)	-0.03167	-54	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	**GWA-14 (bg)**	**-0.04402**	**-98**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWA-16 (bg)**	**-0.03903**	**-94**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	GWA-2 (bg)	-0.02753	-52	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-3 (bg)	-0.01933	-53	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-15 (bg)	-0.01003	-15	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-17 (bg)	0.009597	34	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	**GWC-18 (bg)**	**-0.1282**	**-132**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	GWA-4A (bg)	-0.09904	-72	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	**GWA-5 (bg)**	**-0.07045**	**-109**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	GWA-13 (bg)	1.162	19	74	No	19	15.79	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-14 (bg)	-0.2307	-10	-74	No	19	15.79	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-16 (bg)	2.086	27	74	No	19	15.79	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-2 (bg)	2.558	32	74	No	19	5.263	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-3 (bg)	-1.051	-22	-74	No	19	10.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-15 (bg)	1.594	30	74	No	19	10.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-17 (bg)	1.118	20	74	No	19	5.263	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-18 (bg)	-8.249	-55	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-4A (bg)	0	-1	-74	No	19	15.79	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-5 (bg)	1.759	16	74	No	19	10.53	n/a	n/a	0.01	NP

Appendix I Intrawell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	**GWA-2**	**0.001**	**n/a**	**2/22/2022**	**0.0054**	**Yes**	**44**	**n/a**	**n/a**	**97.73**	**n/a**	**n/a**	**0.0009963**	**NP Intra (NDs) 1 of 2**
Zinc (mg/L)	**GWA-16**	**0.006209**	**n/a**	**2/22/2022**	**0.0076**	**Yes**	**17**	**0.003746**	**0.0009541**	**41.18**	**Kaplan-Meier**	**No**	**0.0003901**	**Param Intra 1 of 2**
Zinc (mg/L)	**GWC-23**	**0.01473**	**n/a**	**2/23/2022**	**0.017**	**Yes**	**12**	**0.07662**	**0.01557**	**33.33**	**Kaplan-Meier**	**sqrt(x)**	**0.0003901**	**Param Intra 1 of 2**

Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 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	2/22/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-14	0.002	n/a	2/22/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-2	0.002	n/a	2/22/2022	0.002ND	No	44	n/a	n/a	97.73	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-3	0.0022	n/a	2/22/2022	0.002ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.002	n/a	2/23/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-13	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-14	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-16	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3	0.0011	n/a	2/22/2022	0.001ND	No	43	n/a	n/a	93.02	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-1	0.001	n/a	2/23/2022	0.001ND	No	44	n/a	n/a	97.73	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-10	0.0013	n/a	2/23/2022	0.00048J	No	44	n/a	n/a	79.55	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	2/23/2022	0.0013	No	44	n/a	n/a	59.09	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-12	0.0011	n/a	2/23/2022	0.001ND	No	44	n/a	n/a	90.91	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-15	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.001599	n/a	2/23/2022	0.00098J	No	23	0.0008505	0.0003091	26.09	Kaplan-Meier	No	0.0003901	Param Intra 1 of 2
Arsenic (mg/L)	GWC-19	0.001	n/a	2/23/2022	0.00028J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21	0.0022	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23	0.0021	n/a	2/23/2022	0.001ND	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4A	0.0027	n/a	2/23/2022	0.00035J	No	44	n/a	n/a	75	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-5	0.0027	n/a	2/22/2022	0.001ND	No	46	n/a	n/a	93.48	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.001	n/a	2/23/2022	0.001ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-13	0.03	n/a	2/22/2022	0.019	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-14	0.018	n/a	2/22/2022	0.014	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-16	0.039	n/a	2/22/2022	0.026	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-2	0.03951	n/a	2/22/2022	0.038	No	21	0.001061	0.000203	0	None	x^2	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-3	0.02824	n/a	2/22/2022	0.015	No	41	0.1253	0.01911	0	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-1	0.05868	n/a	2/23/2022	0.039	No	26	0.04082	0.007541	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.04584	n/a	2/23/2022	0.018	No	44	-3.805	0.3247	0	None	ln(x)	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.026	n/a	2/23/2022	0.01	No	43	n/a	n/a	0	n/a	n/a	0.001037	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-12	0.016	n/a	2/23/2022	0.01	No	44	n/a	n/a	0	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-15	0.0298	n/a	2/22/2022	0.026	No	23	0.02488	0.002035	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-17	0.021	n/a	2/22/2022	0.019	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-18	0.02733	n/a	2/23/2022	0.012	No	16	0.01725	0.003856	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-19	0.02234	n/a	2/23/2022	0.01	No	18	0.0143	0.003157	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.02816	n/a	2/22/2022	0.018	No	17	0.02041	0.003001	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-21	0.02892	n/a	2/23/2022	0.02	No	23	0.1356	0.01422	0	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-23	0.05222	n/a	2/23/2022	0.024	No	11	0.02973	0.007511	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-4A	0.03912	n/a	2/23/2022	0.015	No	44	0.02332	0.007101	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-5	0.07111	n/a	2/22/2022	0.041	No	26	0.04259	0.01205	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-9	0.03659	n/a	2/23/2022	0.026	No	44	0.02483	0.005288	0	None	No	0.0003901	Param Intra 1 of 2
Beryllium (mg/L)	GWA-13	0.0025	n/a	2/22/2022	0.0025ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-14	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-16	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-2	0.0025	n/a	2/22/2022	0.0025ND	No	44	n/a	n/a	86.36	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-3	0.0025	n/a	2/22/2022	0.0025ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-1	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	79.55	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-10	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-11	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-12	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	81.82	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-15	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-17	0.001	n/a	2/22/2022	0.00078J	No	22	n/a	n/a	0	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-18	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19	0.0025	n/a	2/23/2022	0.00031J	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-21	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-23	0.0025	n/a	2/23/2022	0.0025ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-4A	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	90.91	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-5	0.0025	n/a	2/22/2022	0.0025ND	No	46	n/a	n/a	93.48	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-9	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	90.91	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-13	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-14	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-16	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-17	0.0008068	n/a	2/22/2022	0.00064J	No	23	0.0005767	0.00009507	0	None	No	0.0003901	Param Intra 1 of 2
Cadmium (mg/L)	GWC-18	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-19	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-20	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-23	0.0025	n/a	2/23/2022	0.0025ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-4A	0.0025	n/a	2/23/2022	0.00024J	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-13	0.0094	n/a	2/22/2022	0.002ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-14	0.0047	n/a	2/22/2022	0.002ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-16	0.024	n/a	2/22/2022	0.0015J	No	22	n/a	n/a	36.36	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-2	0.003313	n/a	2/22/2022	0.0018J	No	43	0.03944	0.008126	20.93	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWA-3	0.003714	n/a	2/22/2022	0.002ND	No	43	-6.638	0.4673	34.88	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWC-1	0.005	n/a	2/23/2022	0.002ND	No	44	n/a	n/a	40.91	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-10	0.01	n/a	2/23/2022	0.0031	No	44	n/a	n/a	20.45	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-11	0.01042	n/a	2/23/2022	0.005	No	44	0.005738	0.002105	2.273	None	No	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.01	n/a	2/23/2022	0.0016J	No	44	n/a	n/a	18.18	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-15	0.0051	n/a	2/22/2022	0.002ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17	0.01	n/a	2/22/2022	0.003	No	22	n/a	n/a	22.73	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-18	0.006324	n/a	2/23/2022	0.0025	No	22	-6.022	0.3929	0	None	ln(x)	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWC-19	0.0056	n/a	2/23/2022	0.0016J	No	22	n/a	n/a	13.64	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-20	0.005	n/a	2/22/2022	0.002ND	No	22	n/a	n/a	81.82	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.0044	n/a	2/23/2022	0.002ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23	0.004	n/a	2/23/2022	0.0028	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-4A	0.0096	n/a	2/23/2022	0.002ND	No	44	n/a	n/a	70.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-5	0.0054	n/a	2/22/2022	0.002ND	No	45	n/a	n/a	68.89	n/a	n/a	0.0009557	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.0043	n/a	2/23/2022	0.002ND	No	43	n/a	n/a	67.44	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-13	0.001556	n/a	2/22/2022	0.00052J	No	23	-7.415	0.3922	17.39	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWA-14	0.0025	n/a	2/22/2022	0.00042J	No	23	n/a	n/a	39.13	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-16	0.0025	n/a	2/22/2022	0.00048J	No	23	n/a	n/a	13.04	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-2	0.01	n/a	2/22/2022	0.0015J	No	44	n/a	n/a	47.73	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-3	0.0025	n/a	2/22/2022	0.00037J	No	43	n/a	n/a	79.07	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-1	0.0025	n/a	2/23/2022	0.0017J	No	44	n/a	n/a	45.45	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-10	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11	0.0071	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	81.82	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-12	0.005	n/a	2/23/2022	0.00049J	No	43	n/a	n/a	48.84	n/a	n/a	0.001037	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-15	0.0025	n/a	2/22/2022	0.00051J	No	23	n/a	n/a	17.39	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-17	0.002151	n/a	2/22/2022	0.0025ND	No	23	0.02623	0.008328	17.39	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-18	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-19	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-20	0.003273	n/a	2/22/2022	0.0009J	No	17	0.001572	0.0006589	0	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-21	0.002693	n/a	2/23/2022	0.00079J	No	22	0.001493	0.0004917	9.091	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-23	0.01076	n/a	2/23/2022	0.0026	No	18	0.005633	0.002013	0	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWA-4A	0.013	n/a	2/23/2022	0.0013J	No	44	n/a	n/a	50	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-5	0.011	n/a	2/22/2022	0.00076J	No	46	n/a	n/a	43.48	n/a	n/a	0.0009151	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-9	0.0055	n/a	2/23/2022	0.00064J	No	44	n/a	n/a	50	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Copper (mg/L)	GWA-13	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-14	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.003	n/a	2/22/2022	0.002ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3	0.0034	n/a	2/22/2022	0.002ND	No	37	n/a	n/a	86.49	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-1	0.002	n/a	2/23/2022	0.002ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0027	n/a	2/23/2022	0.002ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.002	n/a	2/23/2022	0.002ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-15	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-17	0.0021	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0021	n/a	2/23/2022	0.002ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-19	0.002	n/a	2/23/2022	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21	0.002	n/a	2/23/2022	0.002ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23	0.002	n/a	2/23/2022	0.002ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4A	0.0051	n/a	2/23/2022	0.0012J	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-5	0.0021	n/a	2/22/2022	0.002ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.0021	n/a	2/23/2022	0.002ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-13	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-14	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-16	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	**GWA-2**	**0.001**	**n/a**	**2/22/2022**	**0.0054**	**Yes**	**44**	**n/a**	**n/a**	**97.73**	**n/a**	**n/a**	**0.0009963**	**NP Intra (NDs) 1 of 2**
Lead (mg/L)	GWC-11	0.001	n/a	2/23/2022	0.00017J	No	44	n/a	n/a	90.91	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	2/23/2022	0.00026J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.001	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23	0.001	n/a	2/23/2022	0.001ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4A	0.001	n/a	2/23/2022	0.00019J	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-5	0.001	n/a	2/22/2022	0.001ND	No	46	n/a	n/a	91.3	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-13	0.001	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-14	0.001	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.0043	n/a	2/22/2022	0.00092J	No	38	n/a	n/a	73.68	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-3	0.001	n/a	2/22/2022	0.001ND	No	36	n/a	n/a	88.89	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0025	n/a	2/23/2022	0.0012	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.0013	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0049	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0057	n/a	2/23/2022	0.0011	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.001	n/a	2/22/2022	0.00061J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-17	0.004232	n/a	2/22/2022	0.0017	No	17	0.04658	0.007156	5.882	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.0025	n/a	2/23/2022	0.001	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-19	0.002989	n/a	2/23/2022	0.0011	No	17	0.001765	0.0004743	5.882	None	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-20	0.006632	n/a	2/22/2022	0.00092J	No	17	0.002119	0.001748	29.41	Kaplan-Meier	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-21	0.0025	n/a	2/23/2022	0.00071J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23	0.003189	n/a	2/23/2022	0.0013	No	12	0.001522	0.0005802	16.67	Kaplan-Meier	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWA-4A	0.0072	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-5	0.0031	n/a	2/22/2022	0.001ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.0033	n/a	2/23/2022	0.00076J	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-13	0.005	n/a	2/22/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-16	0.005	n/a	2/22/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2	0.005	n/a	2/22/2022	0.005ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-3	0.005	n/a	2/22/2022	0.005ND	No	44	n/a	n/a	88.64	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-1	0.005	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.005	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-11	0.005	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	86.36	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-15	0.005	n/a	2/22/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-18	0.005	n/a	2/23/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-19	0.005	n/a	2/23/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-20	0.005	n/a	2/22/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.005	n/a	2/23/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4A	0.005	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-5	0.005	n/a	2/22/2022	0.005ND	No	45	n/a	n/a	97.78	n/a	n/a	0.0009557	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.0058	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	97.73	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-11	0.001	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-13	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-14	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-16	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-2	0.001	n/a	2/22/2022	0.001ND	No	42	n/a	n/a	92.86	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-3	0.001	n/a	2/22/2022	0.001ND	No	42	n/a	n/a	95.24	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-10	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	92.86	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	92.86	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	GWC-12	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	95.24	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-17	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	26.09	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-19	0.001	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-20	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21	0.001	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-23	0.001	n/a	2/23/2022	0.001ND	No	18	n/a	n/a	66.67	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-4A	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	95.24	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-5	0.001	n/a	2/22/2022	0.001ND	No	44	n/a	n/a	97.73	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	97.62	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-13	0.0027	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-14	0.002	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.0019	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.0051	n/a	2/22/2022	0.001	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3	0.005	n/a	2/22/2022	0.001ND	No	37	n/a	n/a	81.08	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-1	0.0032	n/a	2/23/2022	0.001ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.0027	n/a	2/23/2022	0.0011	No	36	n/a	n/a	72.22	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.0025	n/a	2/23/2022	0.0013	No	36	n/a	n/a	63.89	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.0015	n/a	2/23/2022	0.001ND	No	36	n/a	n/a	91.67	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0041	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17	0.004	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.007255	n/a	2/23/2022	0.0025	No	17	0.05511	0.01165	0	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Vanadium (mg/L)	GWC-19	0.0067	n/a	2/23/2022	0.00088J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-20	0.0074	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.0058	n/a	2/23/2022	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23	0.009186	n/a	2/23/2022	0.001ND	No	12	-6.822	0.742	50	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Vanadium (mg/L)	GWA-4A	0.0033	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-5	0.0035	n/a	2/22/2022	0.001ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.006	n/a	2/23/2022	0.001ND	No	37	n/a	n/a	86.49	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-13	0.0061	n/a	2/22/2022	0.005ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-14	0.024	n/a	2/22/2022	0.0054	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Zinc (mg/L)	**GWA-16**	**0.006209**	**n/a**	**2/22/2022**	**0.0076**	**Yes**	**17**	**0.003746**	**0.0009541**	**41.18**	**Kaplan-Meier**	**No**	**0.0003901**	**Param Intra 1 of 2**
Zinc (mg/L)	GWA-2	0.02	n/a	2/22/2022	0.0055	No	38	n/a	n/a	28.95	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-3	0.045	n/a	2/22/2022	0.005ND	No	37	n/a	n/a	48.65	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-1	0.015	n/a	2/23/2022	0.005ND	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.019	n/a	2/23/2022	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.0089	n/a	2/23/2022	0.005ND	No	37	n/a	n/a	64.86	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.007519	n/a	2/23/2022	0.005ND	No	38	0.1521	0.01943	36.84	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.01172	n/a	2/22/2022	0.0057	No	17	-5.418	0.3761	35.29	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWC-17	0.02	n/a	2/22/2022	0.0046J	No	17	n/a	n/a	23.53	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.02397	n/a	2/23/2022	0.005ND	No	16	-5.62	0.7225	31.25	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWC-19	0.017	n/a	2/23/2022	0.005ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20	0.0084	n/a	2/22/2022	0.0034J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-21	0.0097	n/a	2/23/2022	0.004J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc (mg/L)	**GWC-23**	**0.01473**	**n/a**	**2/23/2022**	**0.017**	**Yes**	**12**	**0.07662**	**0.01557**	**33.33**	**Kaplan-Meier**	**sqrt(x)**	**0.0003901**	**Param Intra 1 of 2**
Zinc (mg/L)	GWA-4A	0.0148	n/a	2/23/2022	0.005ND	No	37	0.1719	0.03256	24.32	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWA-5	0.022	n/a	2/22/2022	0.005ND	No	38	n/a	n/a	34.21	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.051	n/a	2/23/2022	0.005ND	No	38	n/a	n/a	63.16	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Interwell Prediction Limit - Two-Step - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:18 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-23	0.045	n/a	2/23/2022	0.017	No	261	n/a	n/a	35.63	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2

Appendix I Trend Tests - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Zinc (mg/L)	**GWA-14 (bg)**	**0.0004927**	**81**	**68**	**Yes**	**18**	**33.33**	**n/a**	**n/a**	**0.01**	**NP**

Appendix I Trend Tests - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Zinc (mg/L)	GWA-13 (bg)	0.0002574	62	68	No	18	55.56	n/a	n/a	0.01	NP
Zinc (mg/L)	**GWA-14 (bg)**	**0.0004927**	**81**	**68**	**Yes**	**18**	**33.33**	**n/a**	**n/a**	**0.01**	**NP**
Zinc (mg/L)	GWA-16 (bg)	0.0001533	48	68	No	18	38.89	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-2 (bg)	0	11	214	No	39	28.21	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0	-61	-206	No	38	50	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-15 (bg)	0.0001555	32	68	No	18	33.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-17 (bg)	0	-3	-68	No	18	22.22	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-18 (bg)	0.0003986	43	63	No	17	35.29	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-23	-0.0008752	-23	-43	No	13	30.77	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-4A (bg)	0	28	206	No	38	26.32	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-5 (bg)	0	-18	-214	No	39	35.9	n/a	n/a	0.01	NP

Appendix III Intrawell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	**GWC-12**	**1**	**n/a**	**2/23/2022**	**1.1**	**Yes**	**18**	**n/a**	**n/a**	**61.11**	**n/a**	**n/a**	**0.005373**	**NP Intra (NDs) 1 of 2**
Sulfate (mg/L)	**GWC-19**	**2.906**	**n/a**	**2/23/2022**	**3.1**	**Yes**	**18**	**1.956**	**0.4137**	**0**	**None**	**No**	**0.0008358**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-13	1.4	n/a	2/22/2022	1ND	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	2.481	n/a	2/22/2022	1ND	No	16	1.001	0.2444	31.25	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16	1	n/a	2/22/2022	1ND	No	18	n/a	n/a	66.67	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.7	n/a	2/22/2022	1ND	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-3	1.172	n/a	2/22/2022	1ND	No	18	0.6226	0.4296	44.44	Kaplan-Meier	x^3	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.421	n/a	2/23/2022	1.6	No	18	1.493	0.4043	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	5.704	n/a	2/23/2022	3.4	No	18	3.391	1.008	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.207	n/a	2/23/2022	2.9	No	18	4.554	0.7201	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	**GWC-12**	**1**	**n/a**	**2/23/2022**	**1.1**	**Yes**	**18**	**n/a**	**n/a**	**61.11**	**n/a**	**n/a**	**0.005373**	**NP Intra (NDs) 1 of 2**
Sulfate (mg/L)	GWA-15	1.2	n/a	2/22/2022	1ND	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	1.8	n/a	2/22/2022	1ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-18	6.18	n/a	2/23/2022	4.5	No	18	4.48	0.7404	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	**GWC-19**	**2.906**	**n/a**	**2/23/2022**	**3.1**	**Yes**	**18**	**1.956**	**0.4137**	**0**	**None**	**No**	**0.0008358**	**Param Intra 1 of 2**
Sulfate (mg/L)	GWC-20	2.893	n/a	2/22/2022	1.4	No	16	1.468	0.6062	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.761	n/a	2/23/2022	1	No	18	0.9549	0.3511	16.67	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	3.614	n/a	2/23/2022	2.4	No	17	2.418	0.5151	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-4A	13.33	n/a	2/23/2022	2.7	No	18	6.884	2.809	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-5	1	n/a	2/22/2022	1ND	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.1	n/a	2/23/2022	1ND	No	18	n/a	n/a	38.89	n/a	n/a	0.005373	NP Intra (normality) 1 of 2

Appendix III Interwell Prediction Limit - Two-Step - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:39 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-12	14	n/a	2/23/2022	1.1	No	190	n/a	n/a	45.26	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-19	14	n/a	2/23/2022	3.1	No	190	n/a	n/a	45.26	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:42 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	**GWC-9**	**9.4**	**n/a**	**2/23/2022**	**9.9**	**Yes**	**189**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005542**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:42 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.11	n/a	2/23/2022	0.069J	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.11	n/a	2/22/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	2/23/2022	1.4	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	2/23/2022	22	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	2/23/2022	8.1	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	2/23/2022	0.64	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	2/23/2022	6.3	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	2/22/2022	1.3	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	2/23/2022	1.1	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	2/23/2022	0.92	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	2/23/2022	1	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	9.4	n/a	2/23/2022	5.6	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	9.4	n/a	2/23/2022	6.8	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	9.4	n/a	2/23/2022	4.8	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	9.4	n/a	2/23/2022	4.1	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	9.4	n/a	2/23/2022	5.8	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	9.4	n/a	2/22/2022	7.7	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	9.4	n/a	2/23/2022	7.3	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	9.4	n/a	2/23/2022	5.2	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-9**	**9.4**	**n/a**	**2/23/2022**	**9.9**	**Yes**	**189**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005542**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	GWC-1	0.74	n/a	2/23/2022	0.1ND	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	2/23/2022	0.13	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	2/23/2022	0.36	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	2/23/2022	0.043J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	2/23/2022	0.11	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	2/22/2022	0.033J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	2/23/2022	0.037J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	2/23/2022	0.03J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	2/23/2022	0.049J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	2/23/2022	4.92	No	210	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	2/23/2022	6.46	No	210	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	2/23/2022	6.28	No	210	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	2/23/2022	5.1	No	210	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	2/23/2022	5.63	No	210	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	2/22/2022	5.02	No	210	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	2/23/2022	4.87	No	210	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	2/23/2022	5.11	No	210	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	2/23/2022	5.07	No	210	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	2/23/2022	31	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	2/23/2022	130	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	2/23/2022	70	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	2/23/2022	16	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	2/23/2022	41	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	2/22/2022	33	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	2/23/2022	26	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	2/23/2022	23	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	2/23/2022	30	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	**GWA-3 (bg)**	**-0.7892**	**-142**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**GWC-9**	**-0.6528**	**-127**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-14 (bg)**	**-0.2267**	**-93**	**-74**	**Yes**	**19**	**31.58**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-17 (bg)**	**-0.1**	**-91**	**-74**	**Yes**	**19**	**52.63**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-13 (bg)	0.02934	29	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-14 (bg)	-0.05214	-51	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-16 (bg)	0	-7	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.03728	-33	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWA-3 (bg)**	**-0.7892**	**-142**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWA-15 (bg)	0	2	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-17 (bg)	0.07026	53	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-18 (bg)	-0.06718	-44	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4A (bg)	0.09648	52	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-5 (bg)	0.05267	33	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWC-9**	**-0.6528**	**-127**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWA-13 (bg)	0	23	74	No	19	63.16	n/a	n/a	0.01	NP
Sulfate (mg/L)	**GWA-14 (bg)**	**-0.2267**	**-93**	**-74**	**Yes**	**19**	**31.58**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWA-16 (bg)	0	-3	-74	No	19	68.42	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	0	-28	-74	No	19	57.89	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	0	-13	-74	No	19	47.37	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-12	0	15	74	No	19	57.89	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-15 (bg)	0	-4	-74	No	19	57.89	n/a	n/a	0.01	NP
Sulfate (mg/L)	**GWC-17 (bg)**	**-0.1**	**-91**	**-74**	**Yes**	**19**	**52.63**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWC-18 (bg)	-0.2361	-74	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-19	-0.09555	-32	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4A (bg)	-0.1482	-12	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-5 (bg)	0	18	74	No	19	73.68	n/a	n/a	0.01	NP

FIGURE A.

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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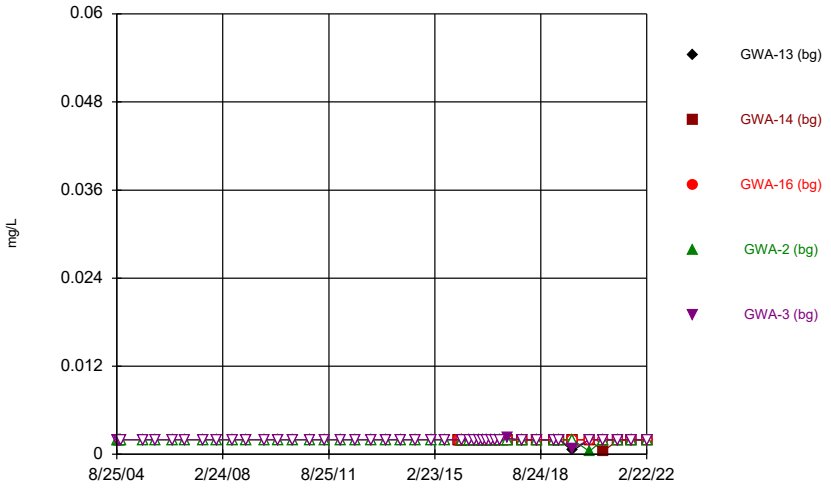

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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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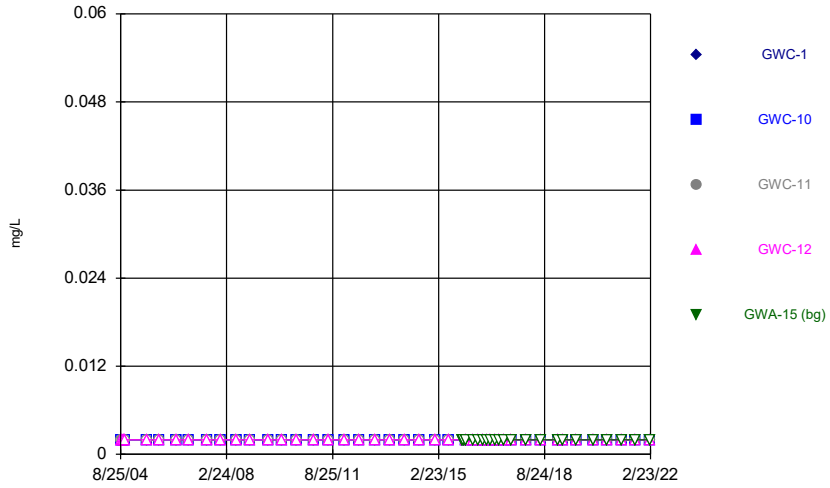

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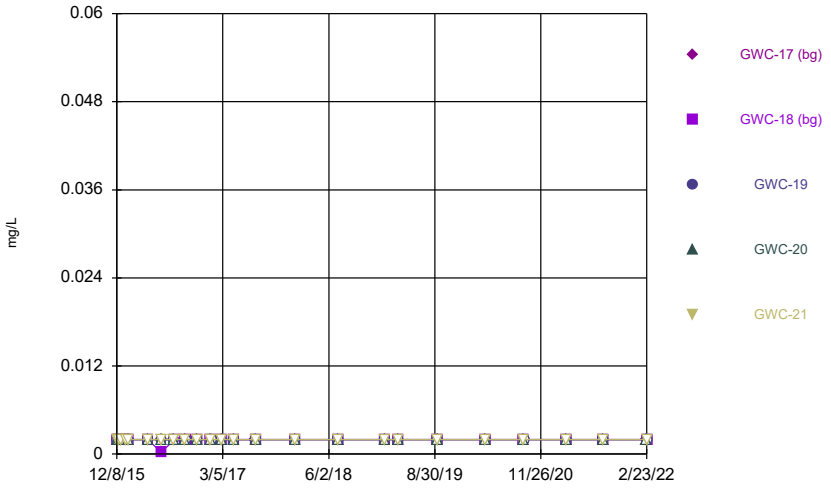

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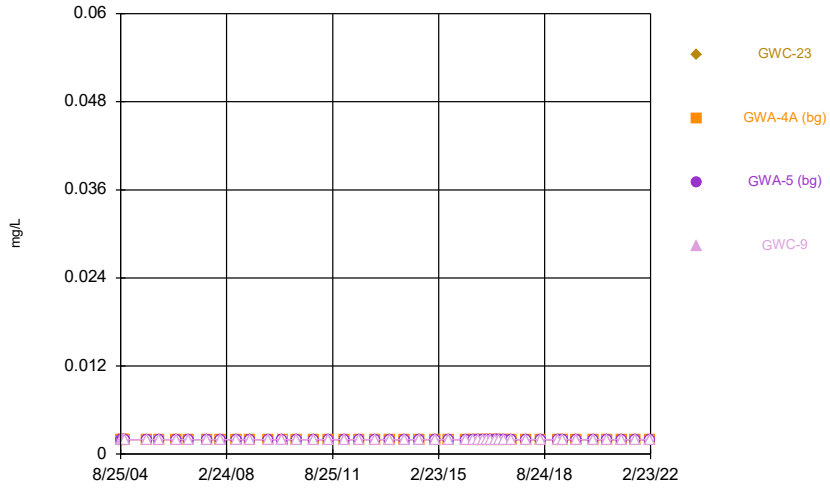

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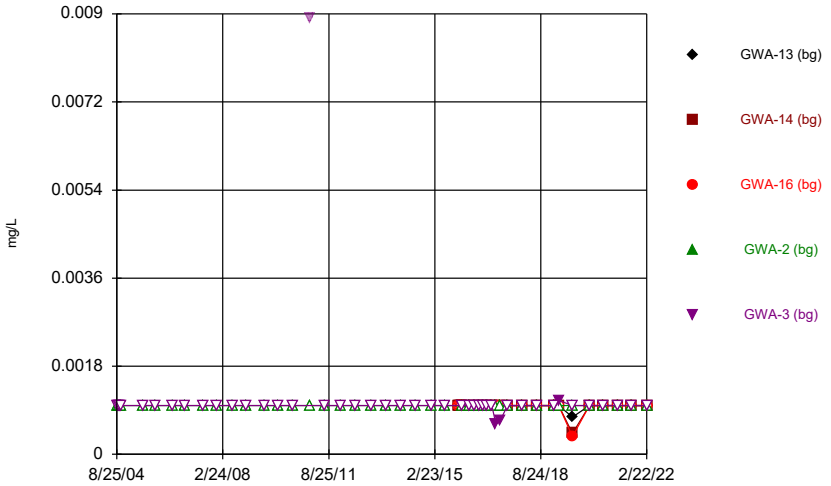

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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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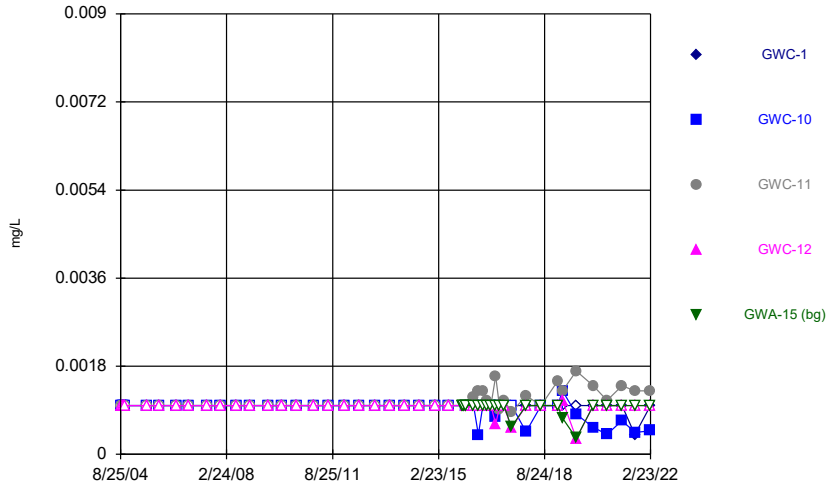

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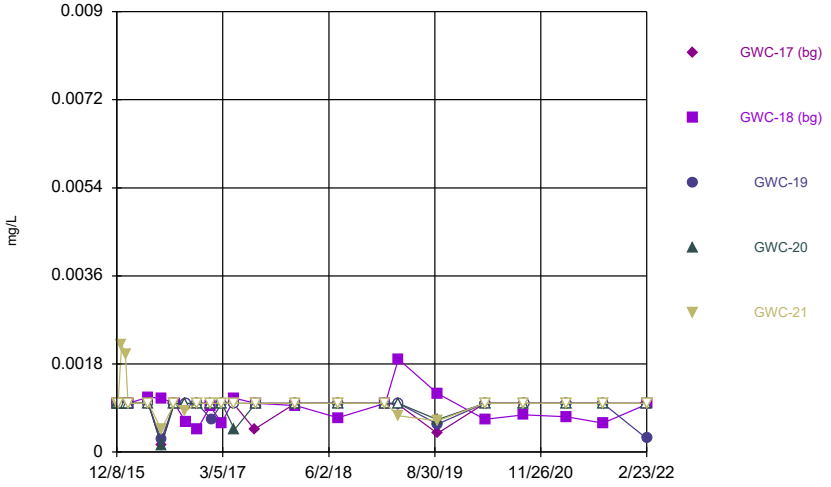

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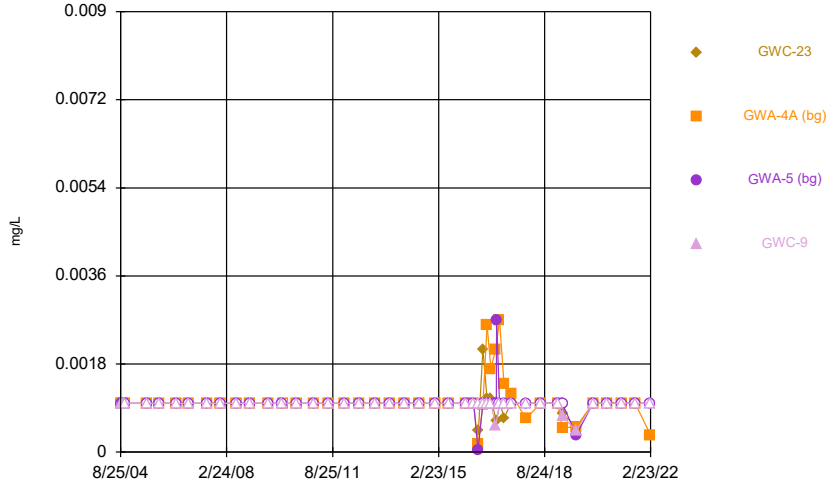

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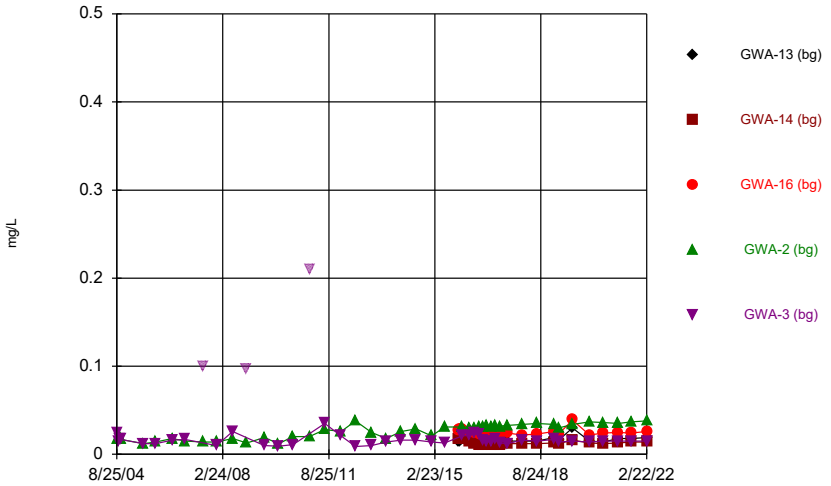

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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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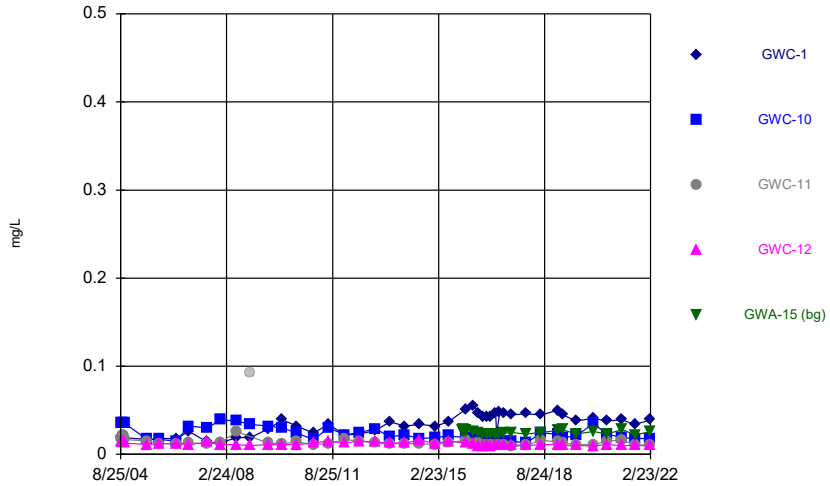
Time Series



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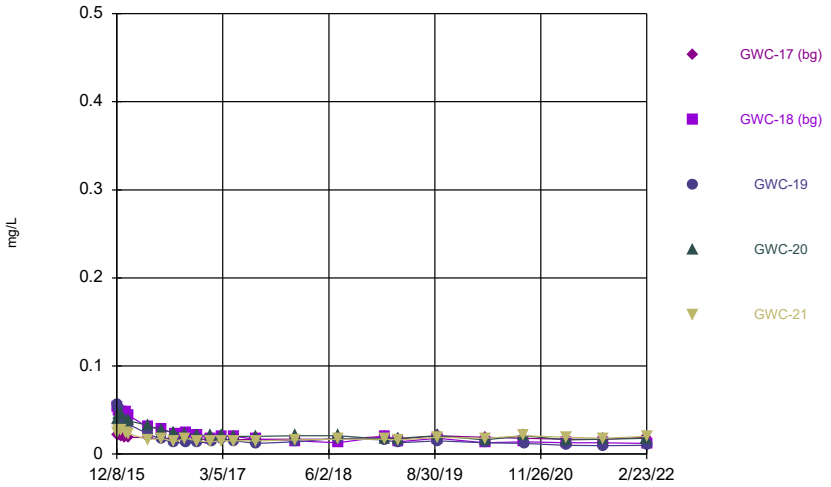

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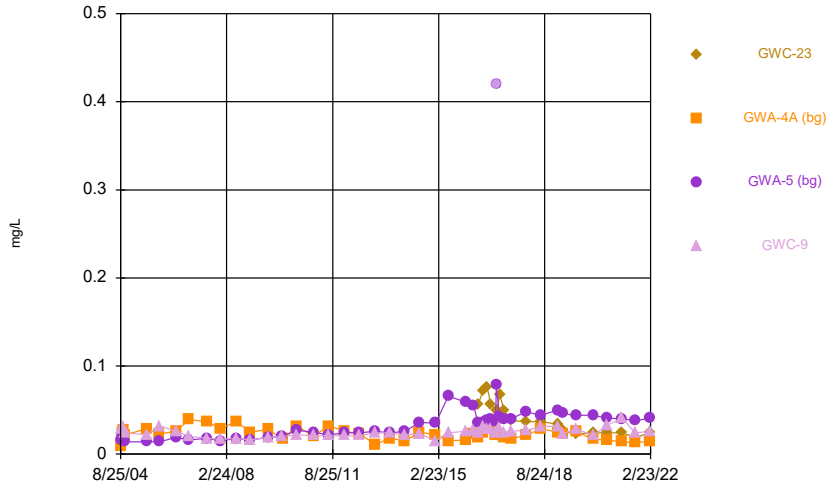

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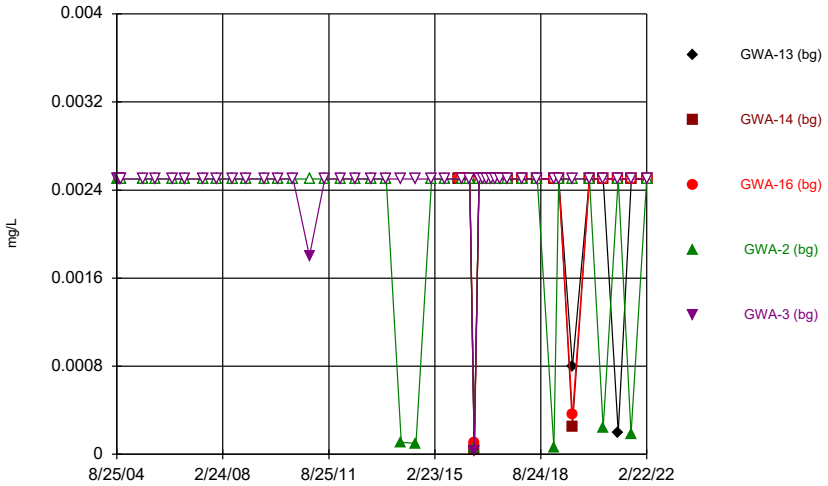

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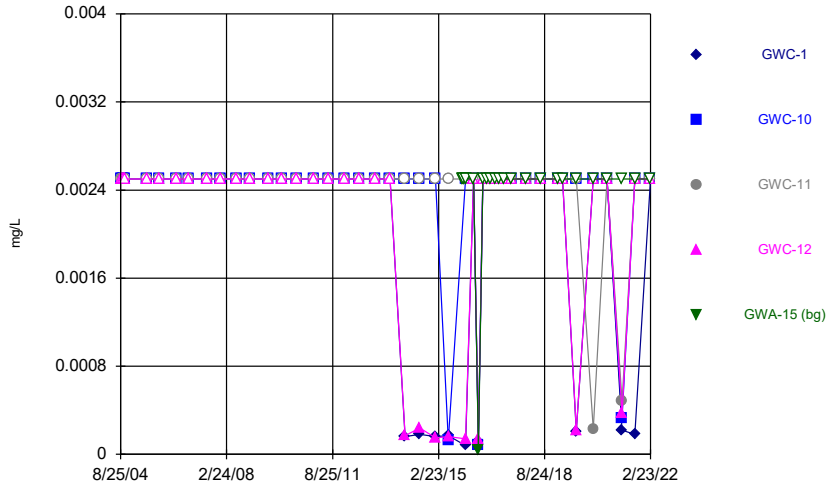

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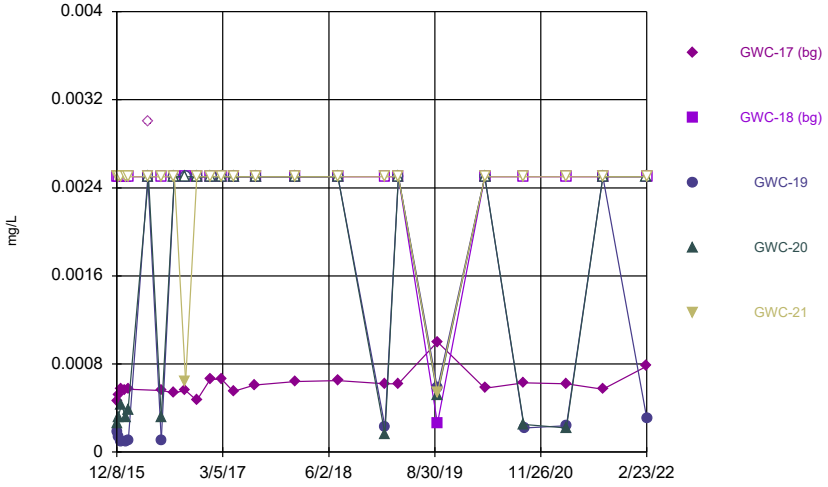

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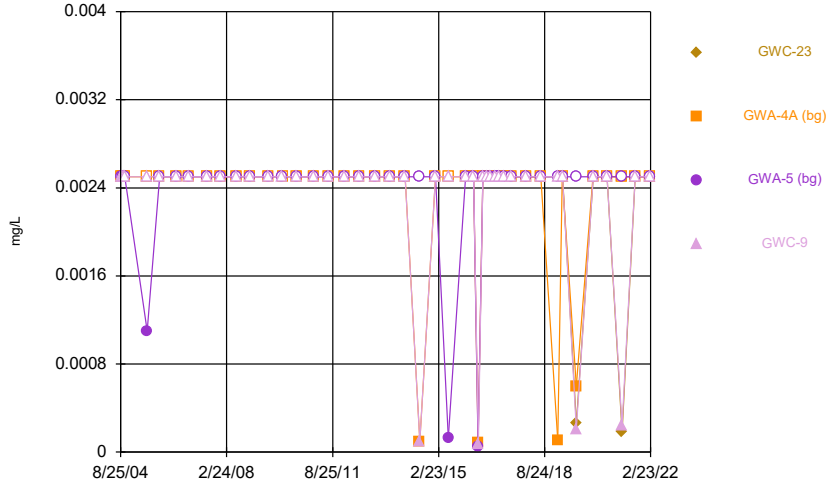
Hollow symbols indicate censored values.

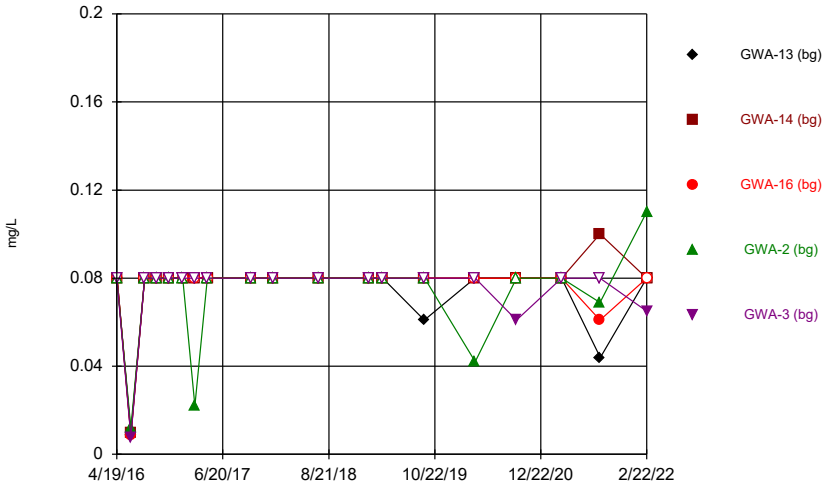
Time Series



Constituent: Beryllium Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

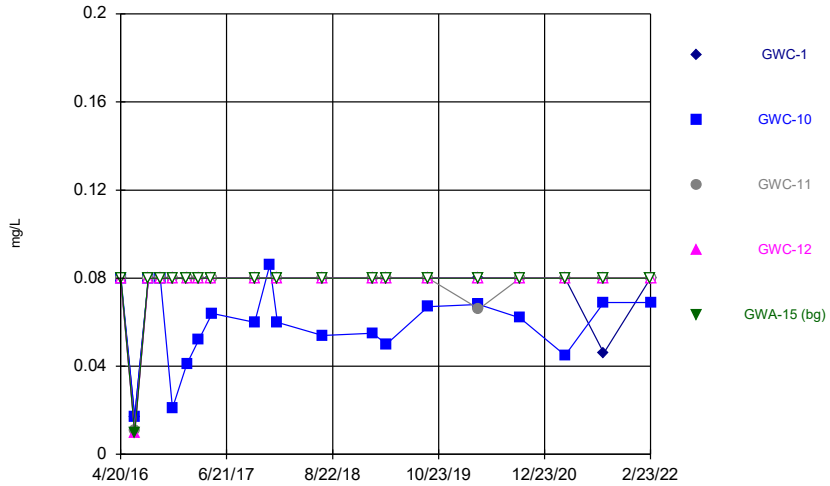
Time Series



Constituent: Boron Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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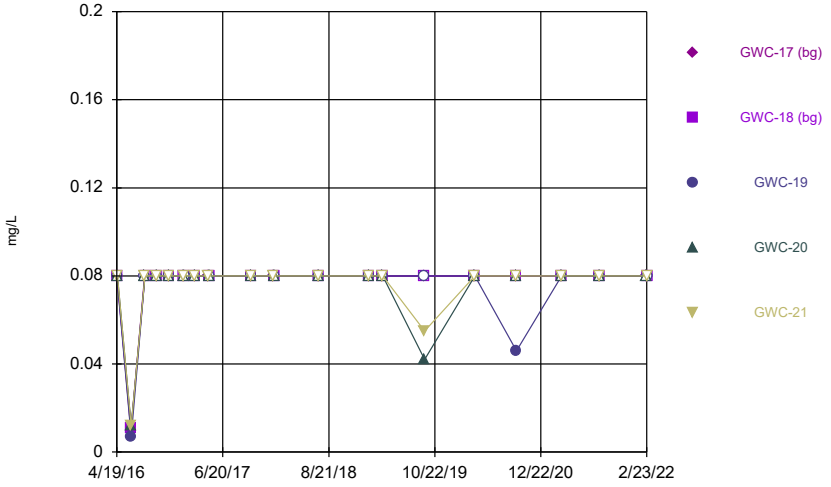
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Boron Analysis Run 8/2/2022 3:43 PM
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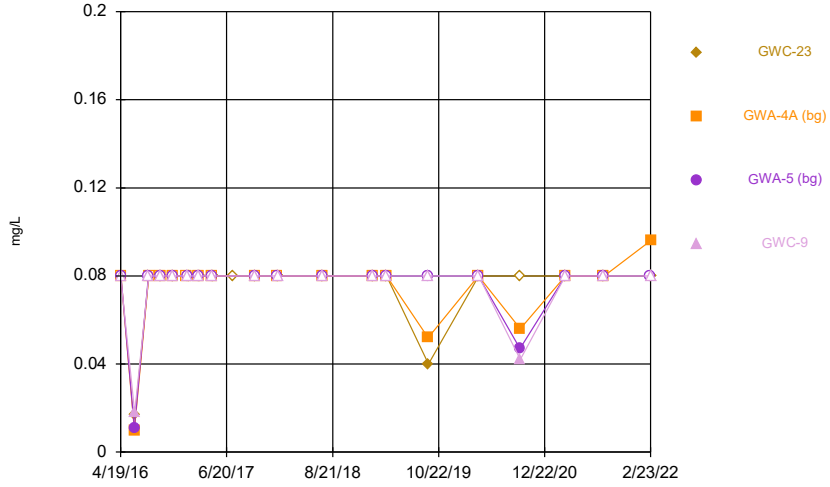
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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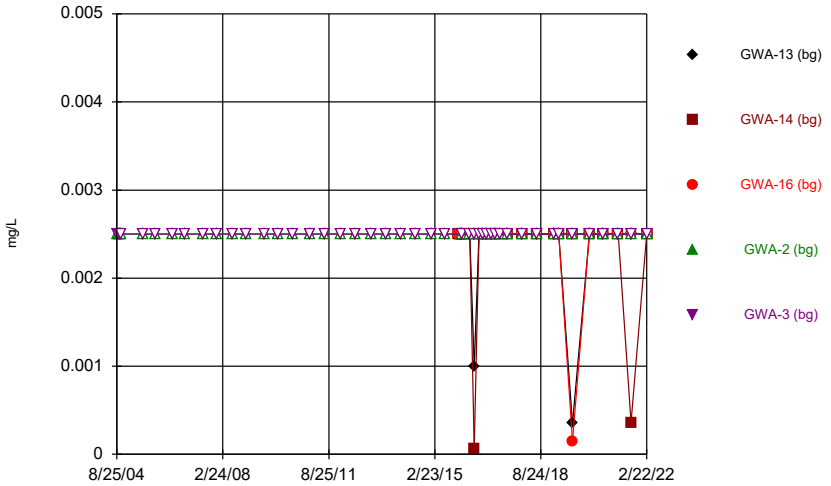
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

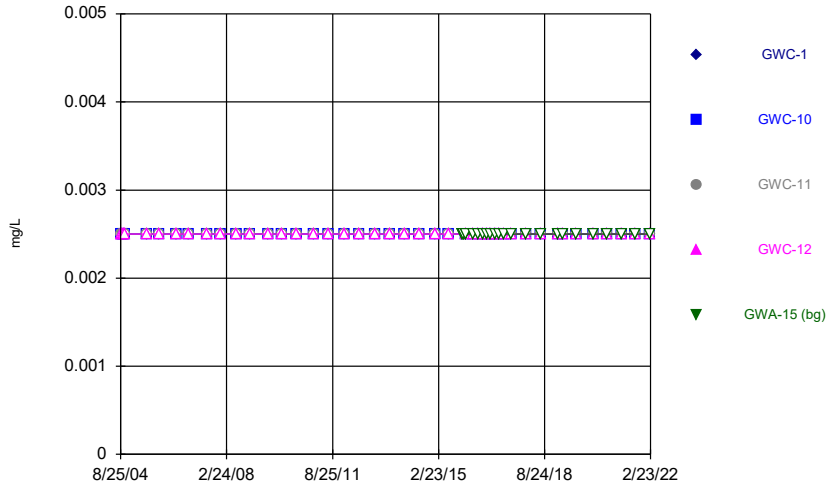
Time Series



Constituent: Cadmium Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

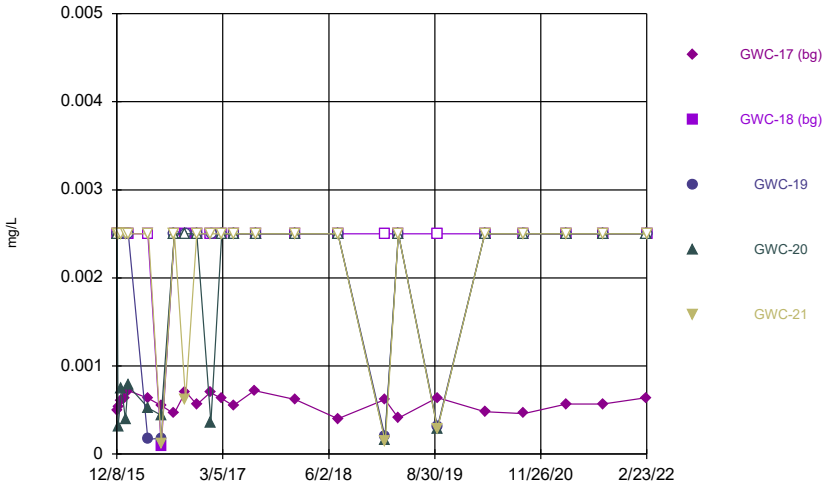
Time Series



Constituent: Cadmium Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

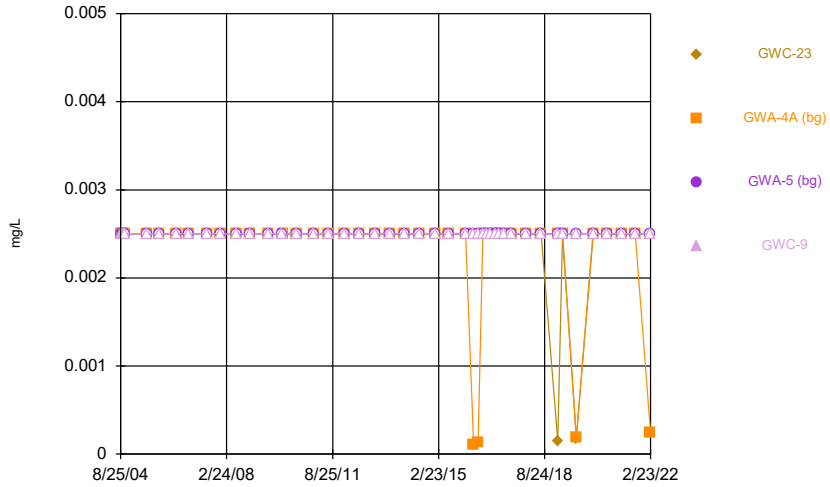
Time Series



Constituent: Cadmium Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

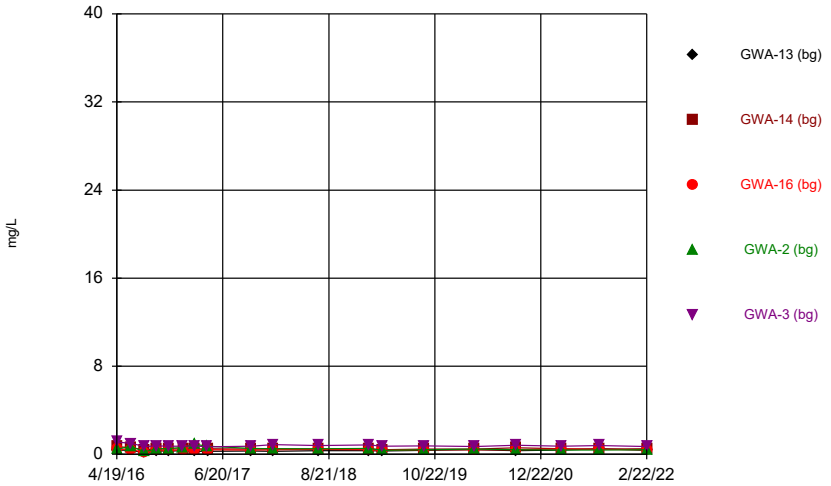
Time Series



Constituent: Cadmium Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

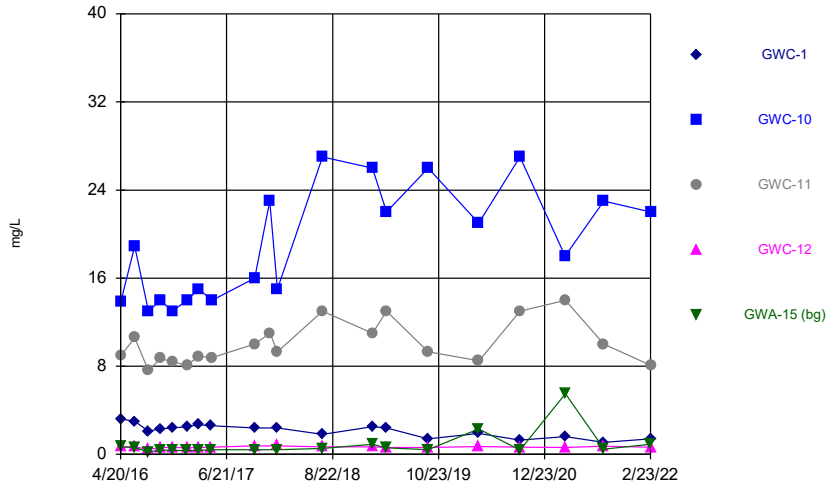


Constituent: Calcium Analysis Run 8/2/2022 3:43 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

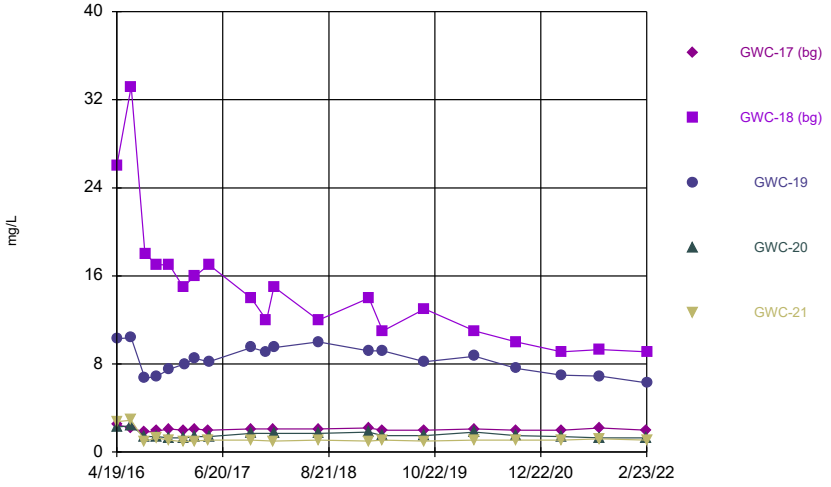


Constituent: Calcium Analysis Run 8/2/2022 3:43 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

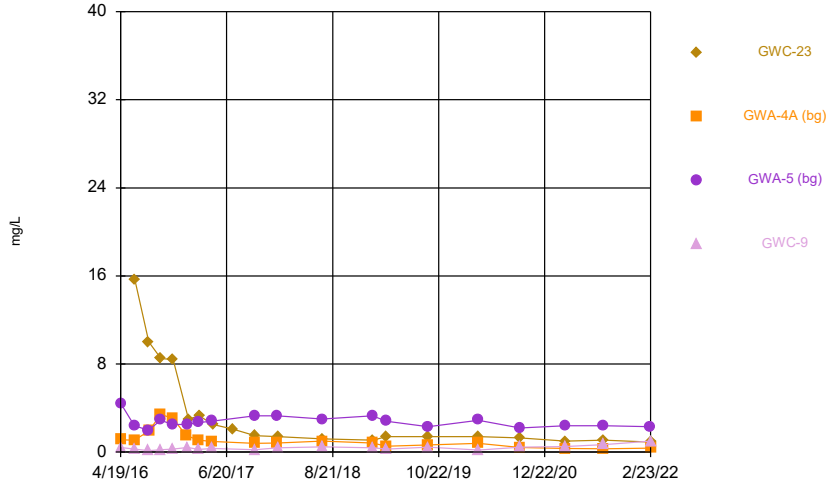


Constituent: Calcium Analysis Run 8/2/2022 3:43 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series



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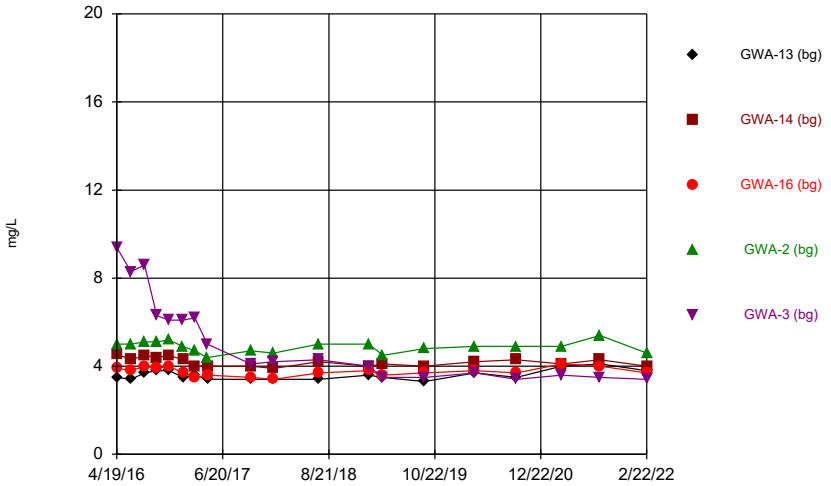
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series

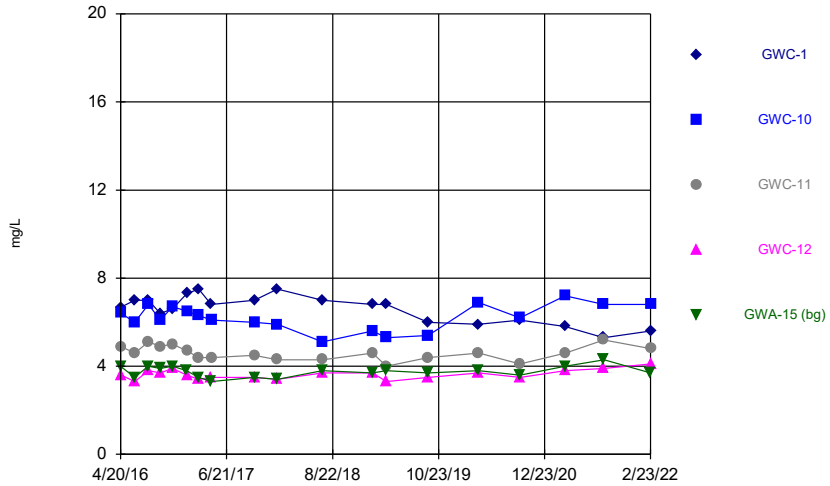


Constituent: Chloride Analysis Run 8/2/2022 3:43 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

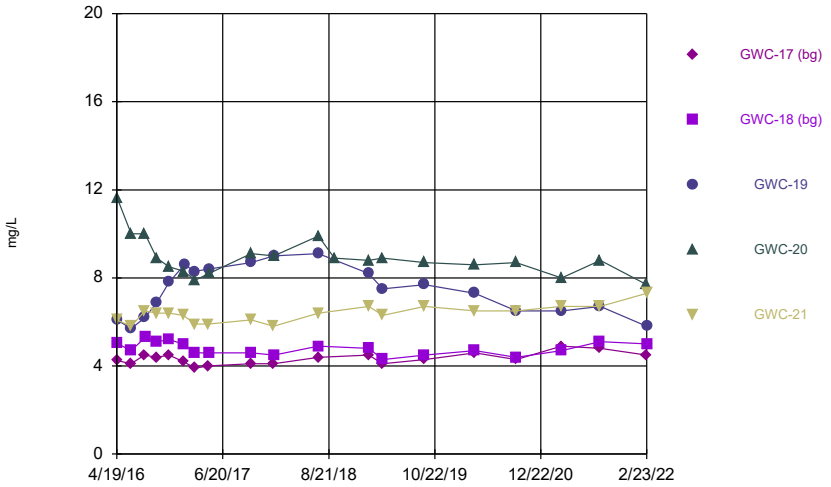


Constituent: Chloride Analysis Run 8/2/2022 3:43 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

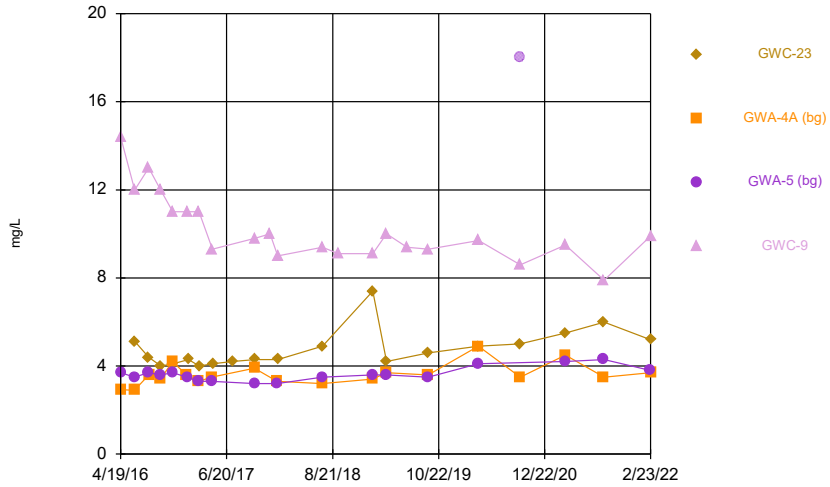


Constituent: Chloride Analysis Run 8/2/2022 3:43 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

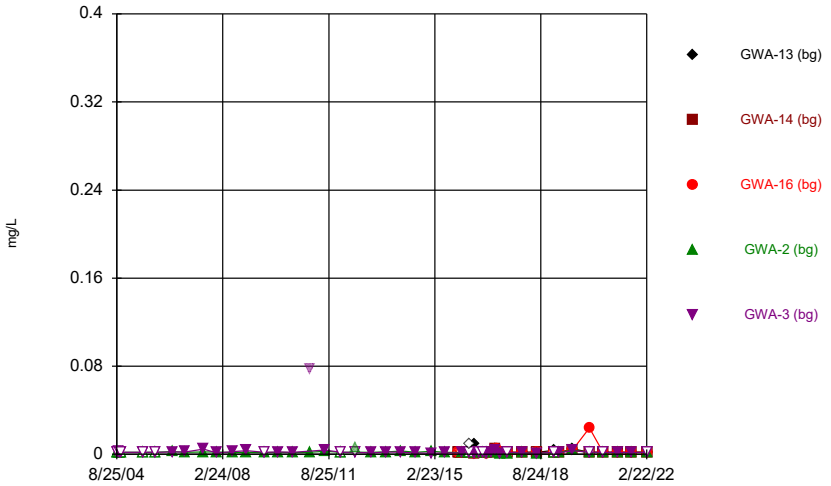


Constituent: Chloride Analysis Run 8/2/2022 3:43 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

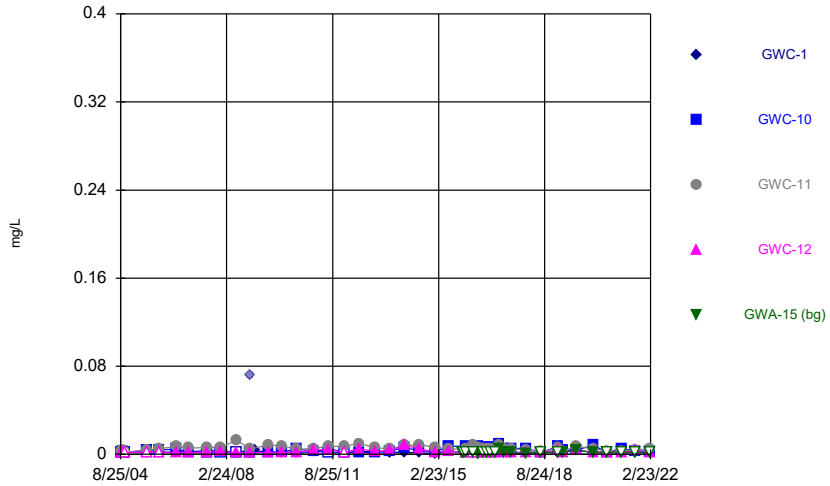
Time Series



Constituent: Chromium Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

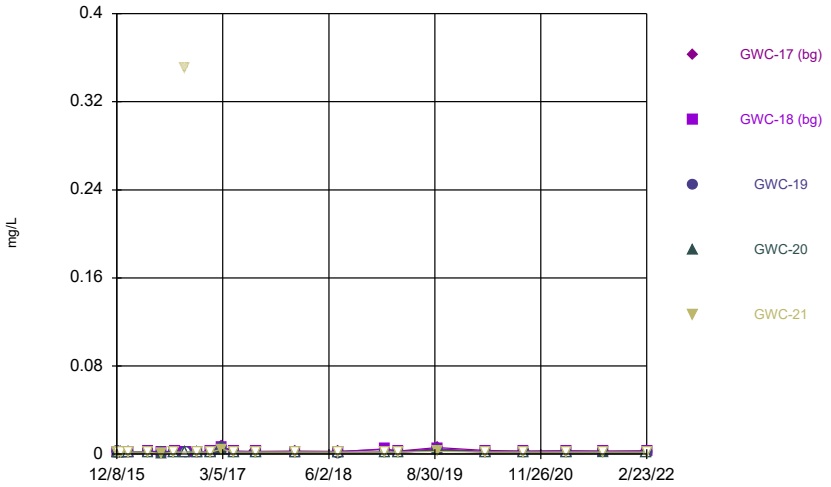
Time Series



Constituent: Chromium Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

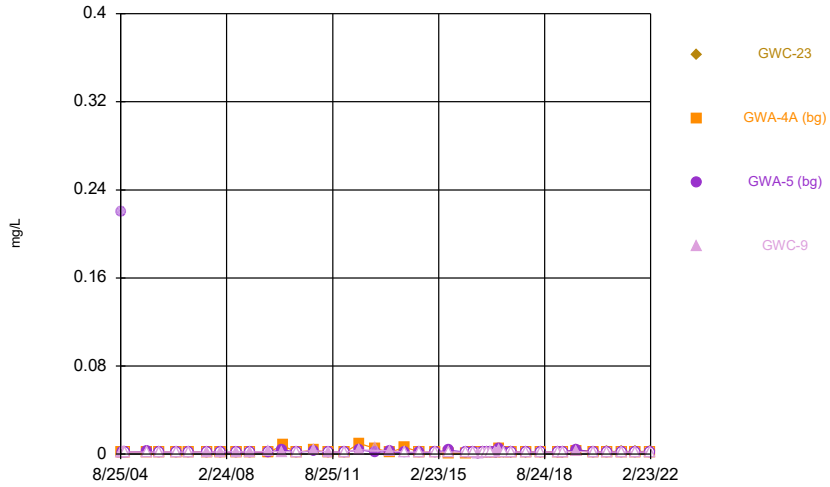
Time Series



Constituent: Chromium Analysis Run 8/2/2022 3:43 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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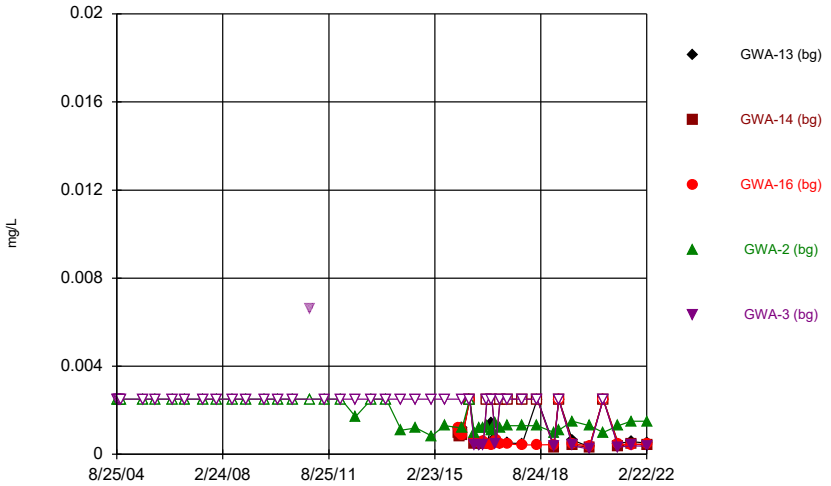
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

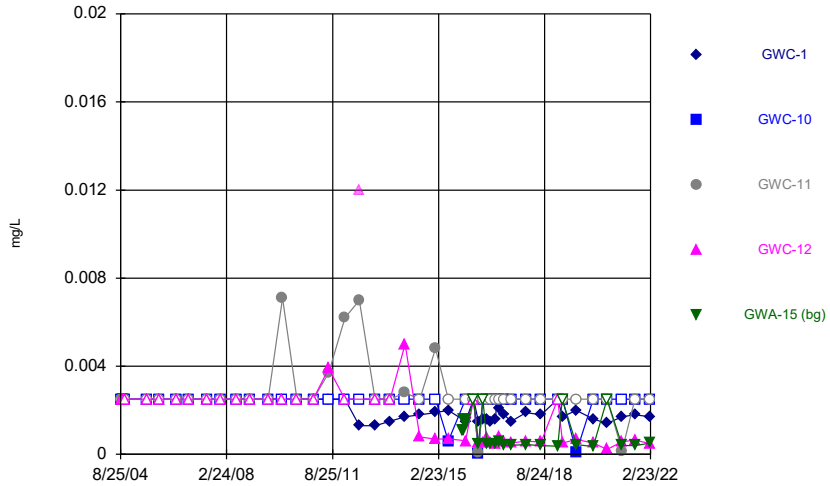
Time Series



Constituent: Cobalt Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

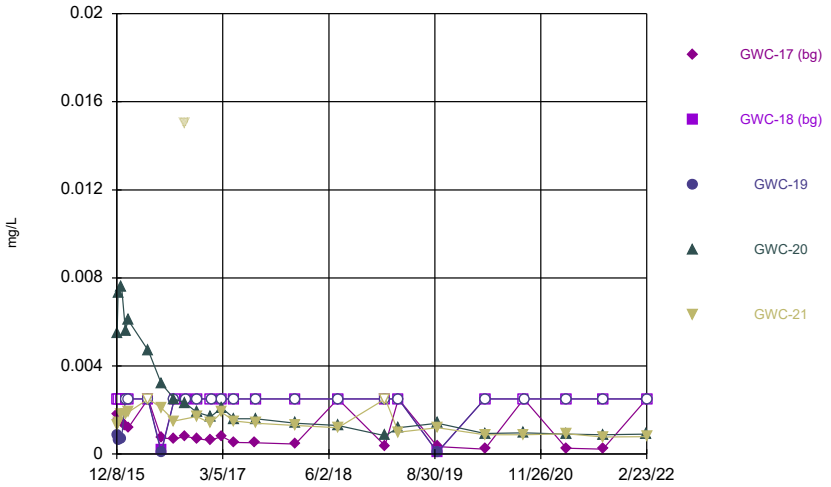
Time Series



Constituent: Cobalt Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

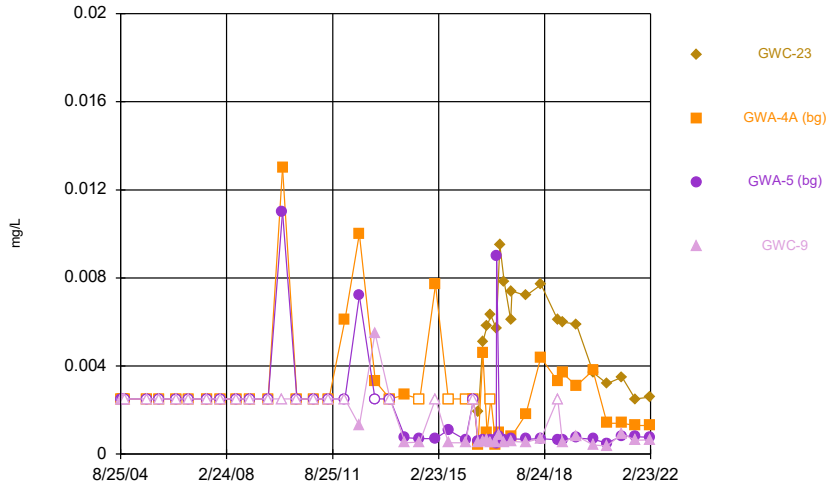
Time Series



Constituent: Cobalt Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

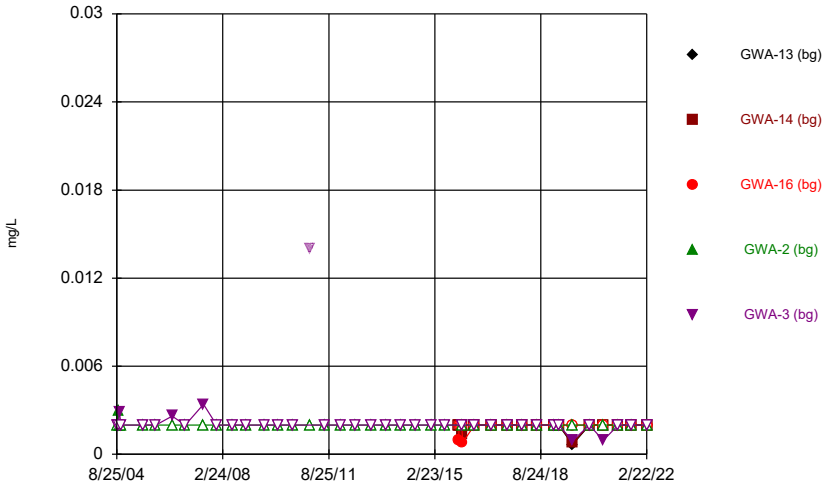
Time Series



Constituent: Cobalt Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

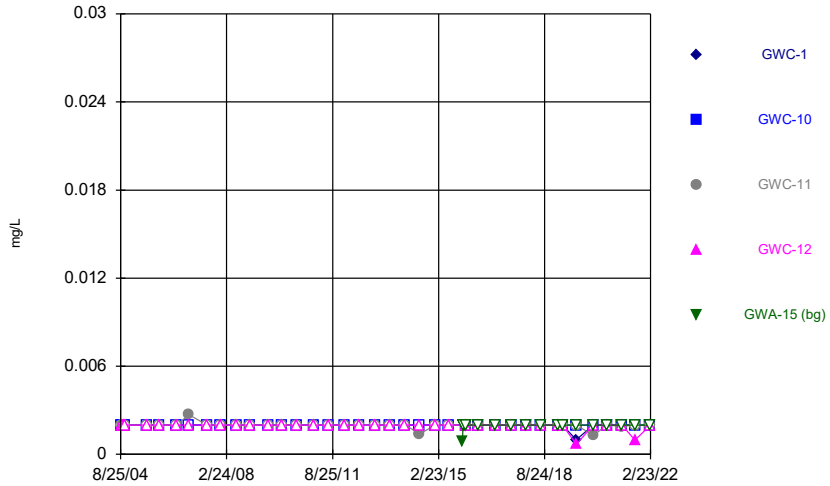
Time Series



Constituent: Copper Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

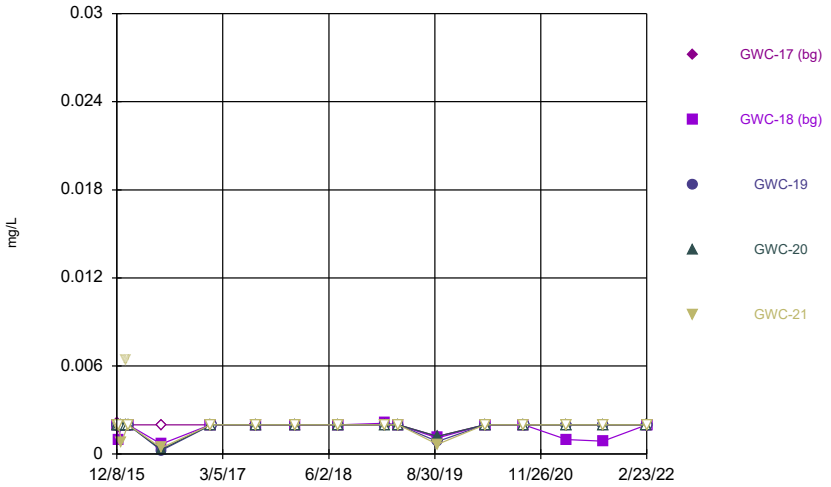
Time Series



Constituent: Copper Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

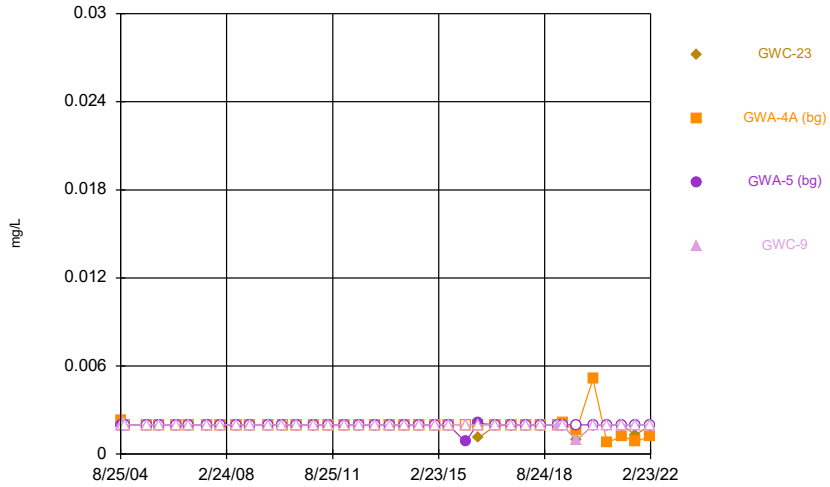
Time Series



Constituent: Copper Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

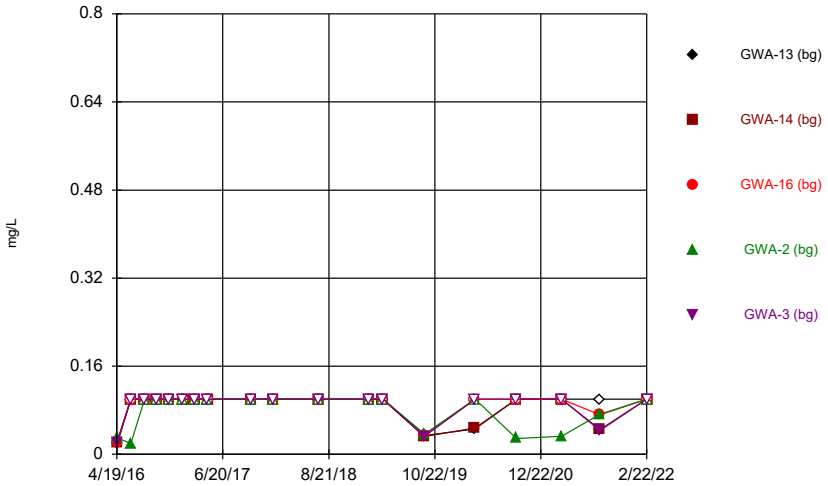
Time Series



Constituent: Copper Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

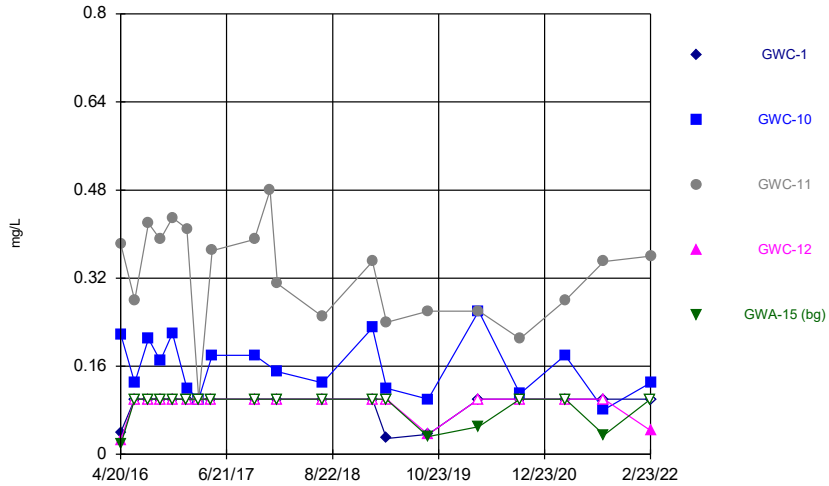
Time Series



Constituent: Fluoride Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

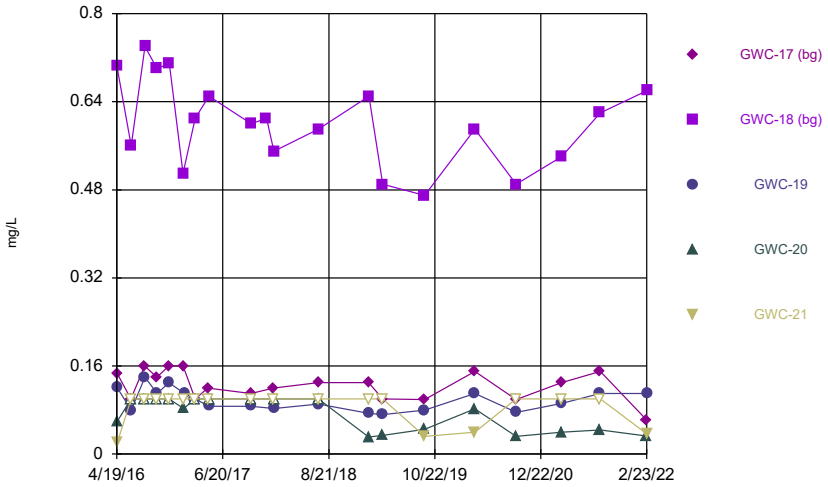
Time Series



Constituent: Fluoride Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

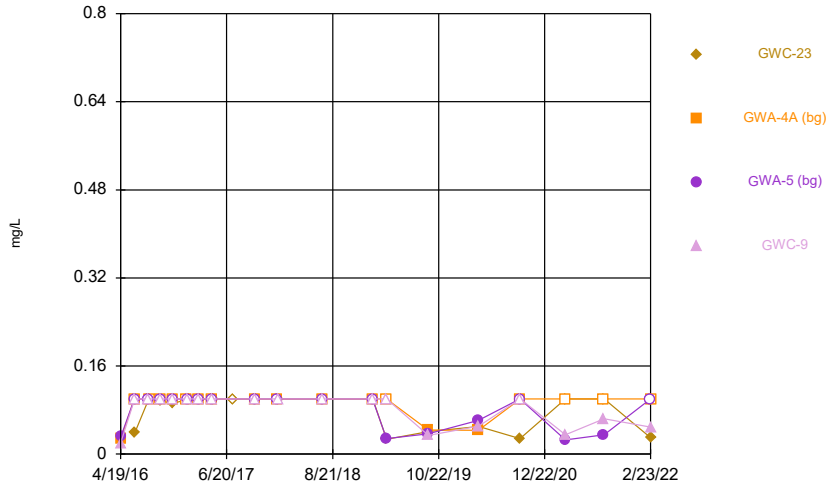
Time Series



Constituent: Fluoride Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

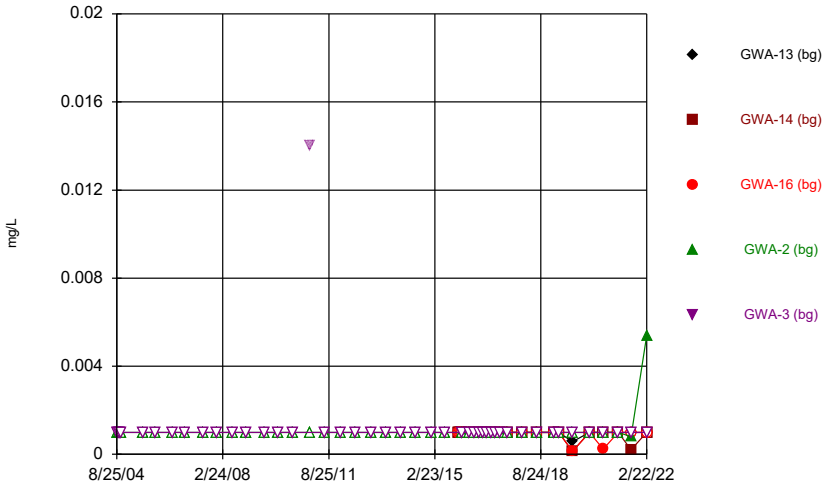
Time Series



Constituent: Fluoride Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

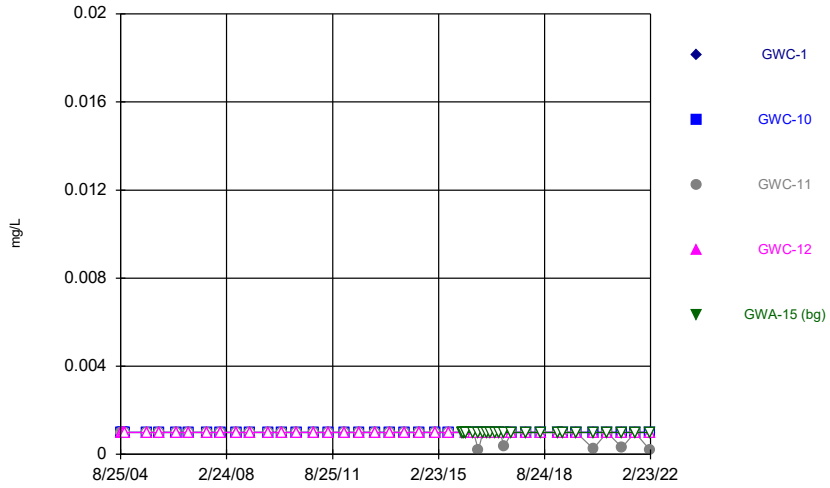
Time Series



Constituent: Lead Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

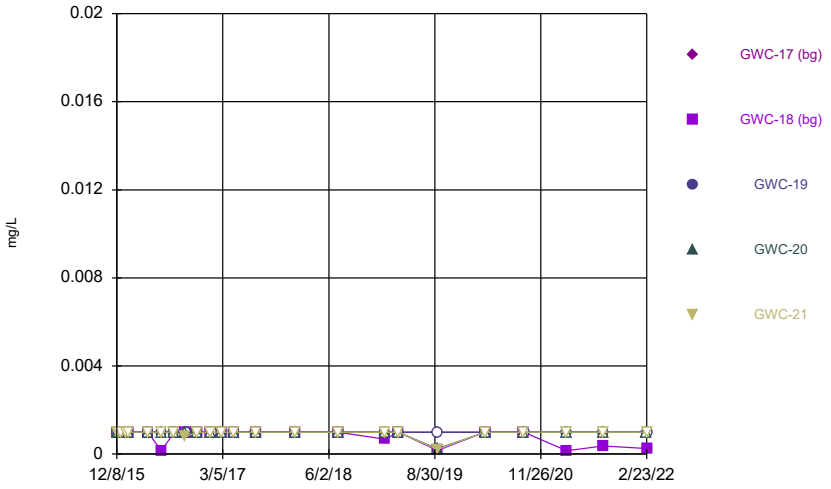
Time Series



Constituent: Lead Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

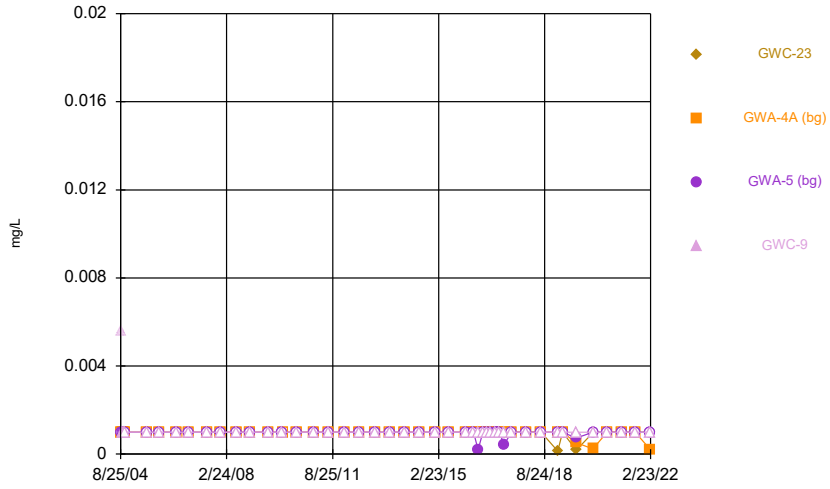
Time Series



Constituent: Lead Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

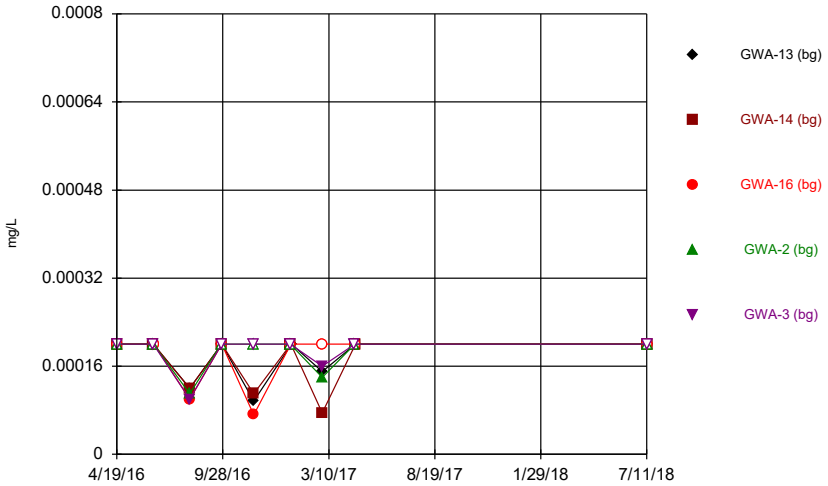
Time Series



Constituent: Lead Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

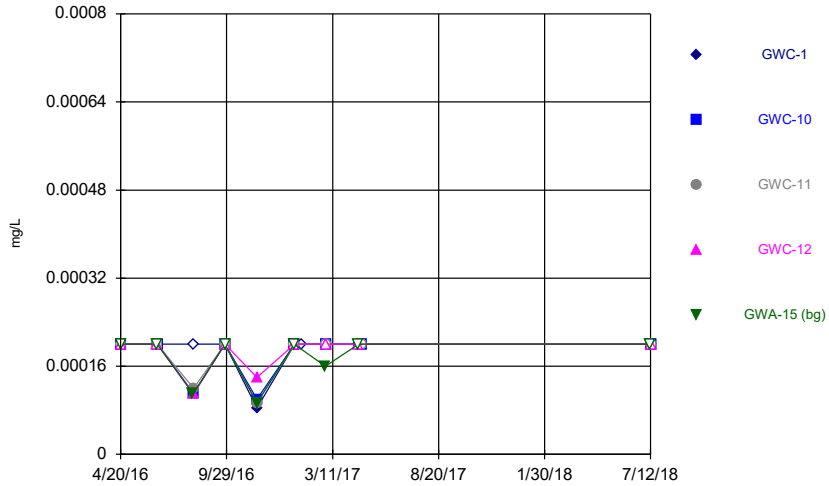
Time Series



Constituent: Mercury Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

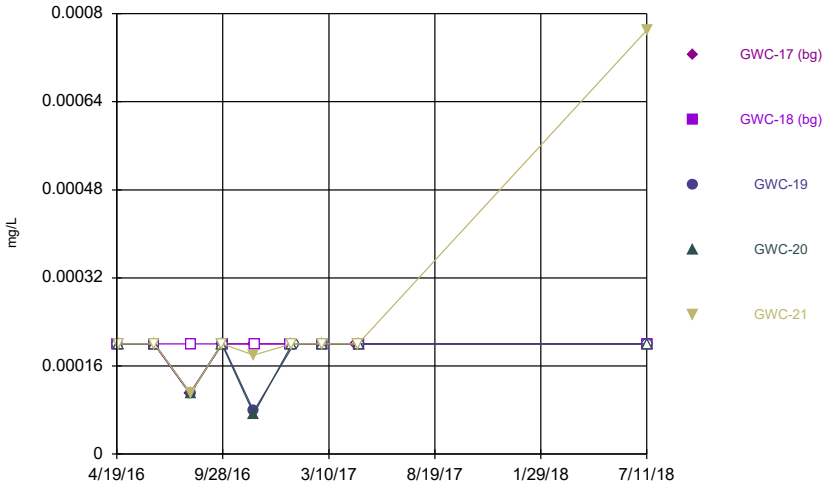
Time Series



Constituent: Mercury Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

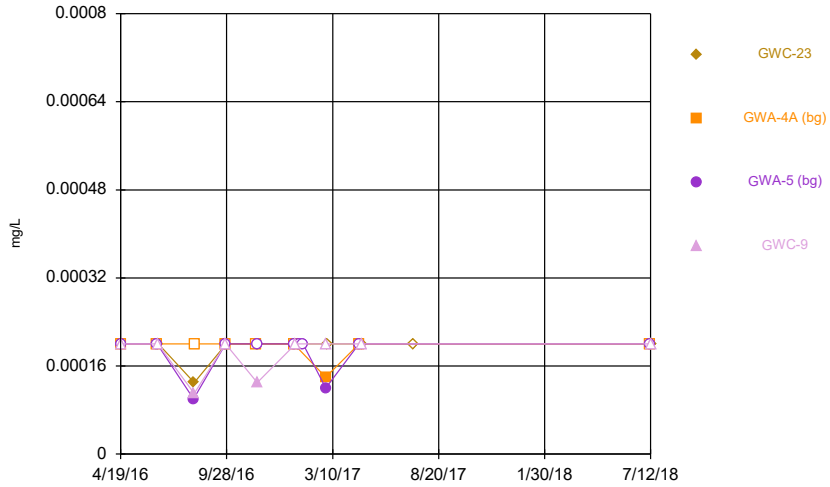
Time Series



Constituent: Mercury Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

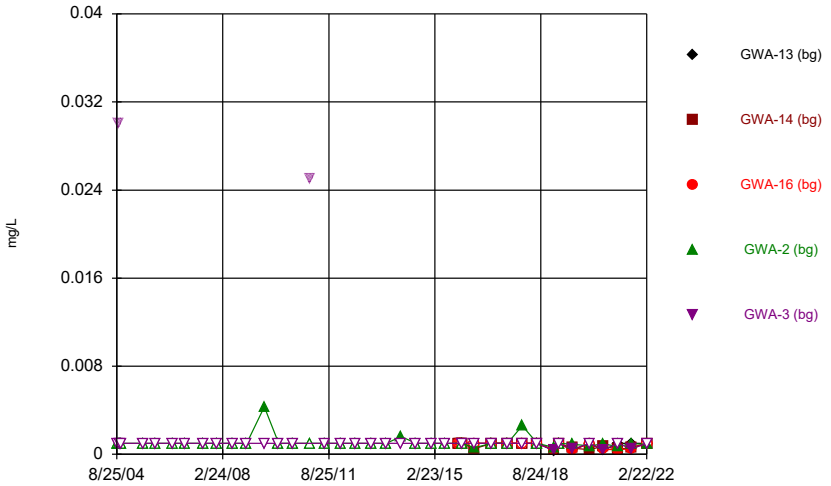
Time Series



Constituent: Mercury Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

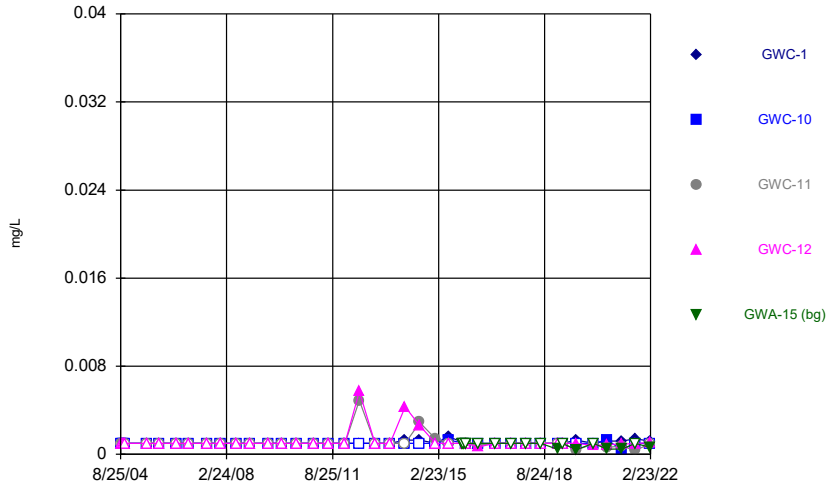
Time Series



Constituent: Nickel Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

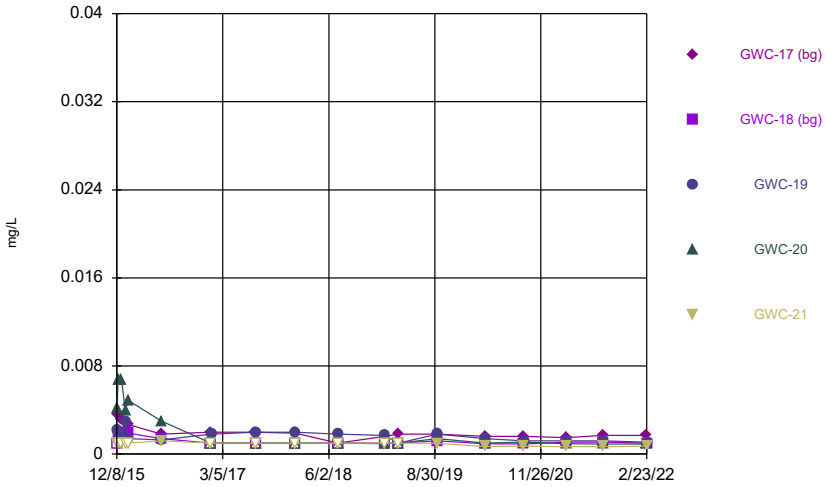
Time Series



Constituent: Nickel Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

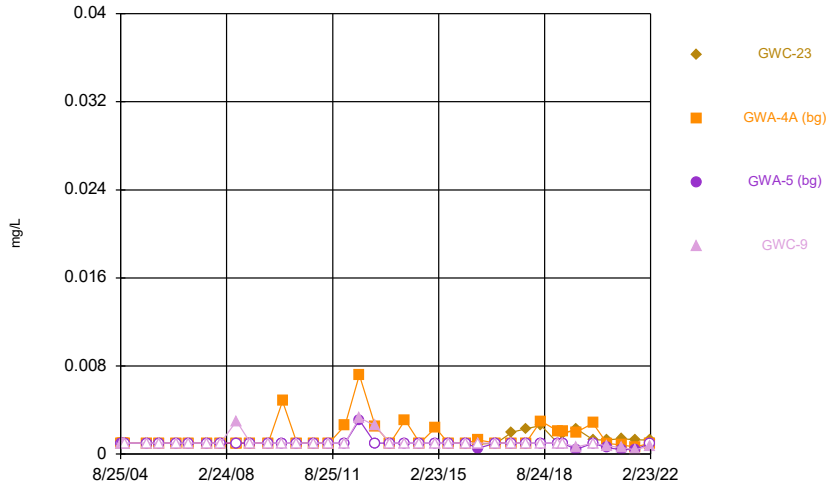
Time Series



Constituent: Nickel Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

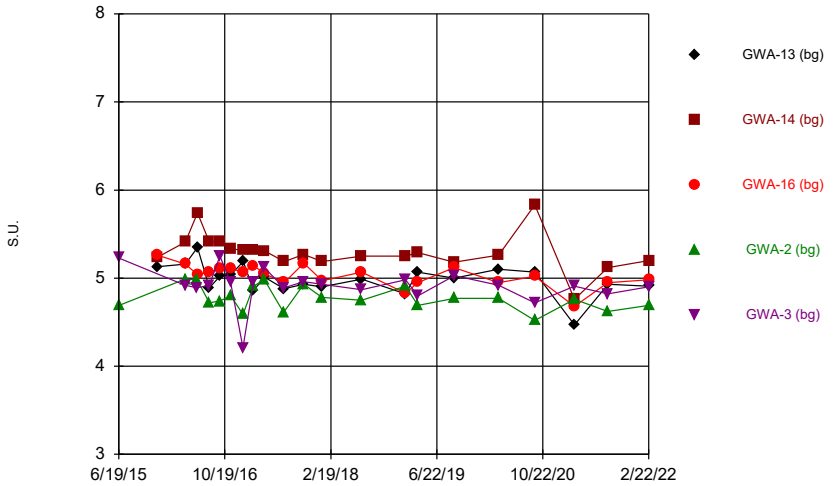
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Nickel Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series

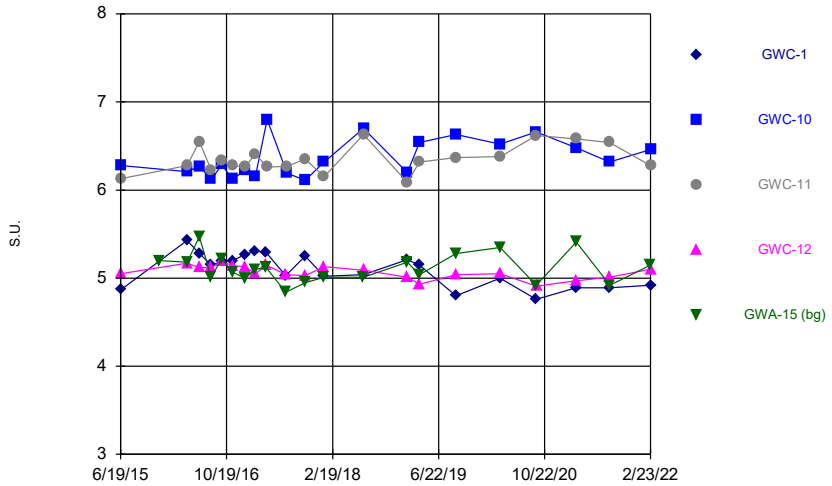


Constituent: pH Analysis Run 8/2/2022 3:44 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

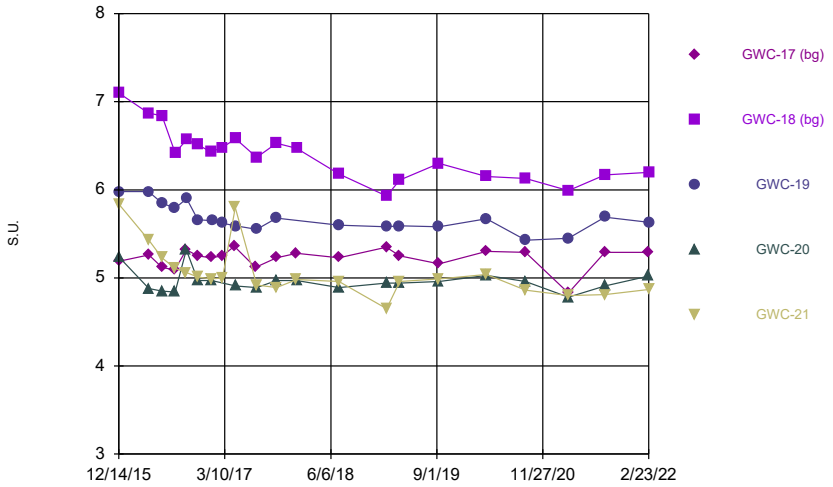


Constituent: pH Analysis Run 8/2/2022 3:44 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

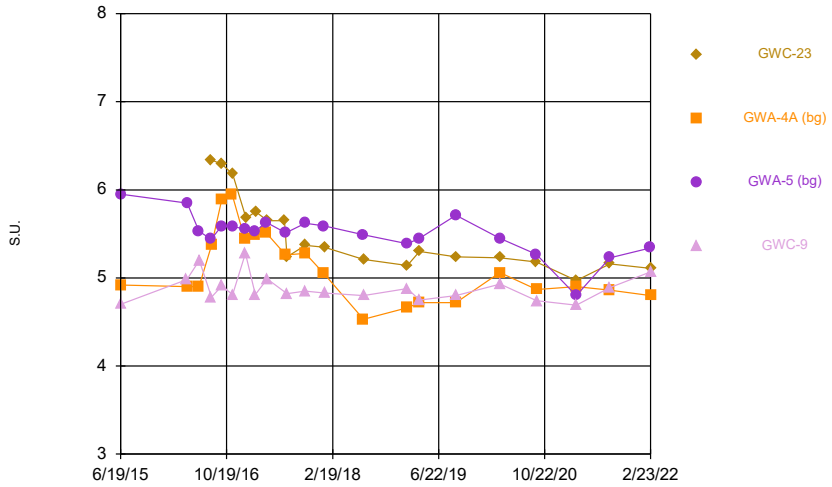


Constituent: pH Analysis Run 8/2/2022 3:44 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Time Series

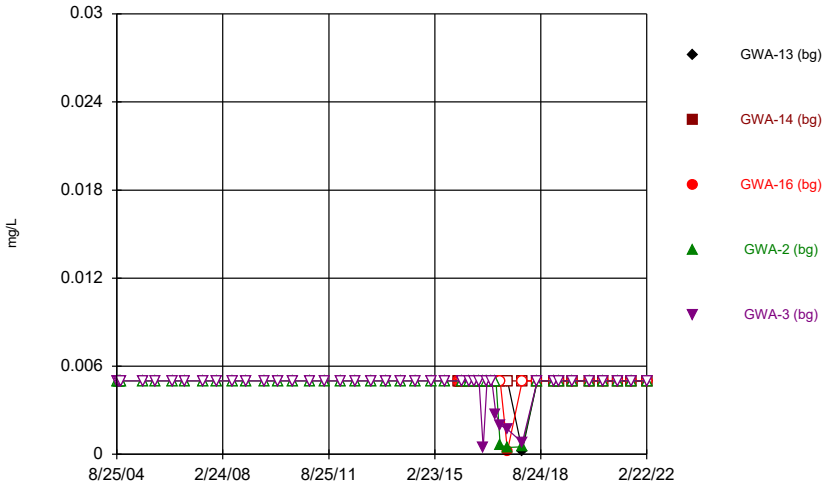


Constituent: pH Analysis Run 8/2/2022 3:44 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

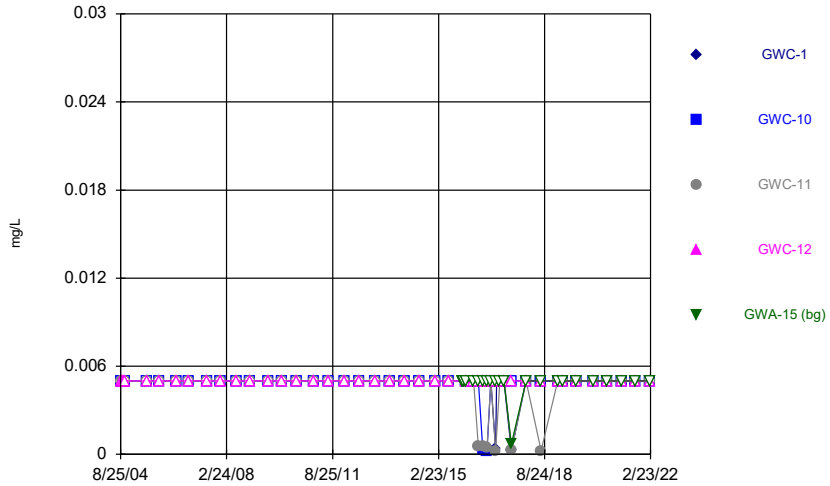
Time Series



Constituent: Selenium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

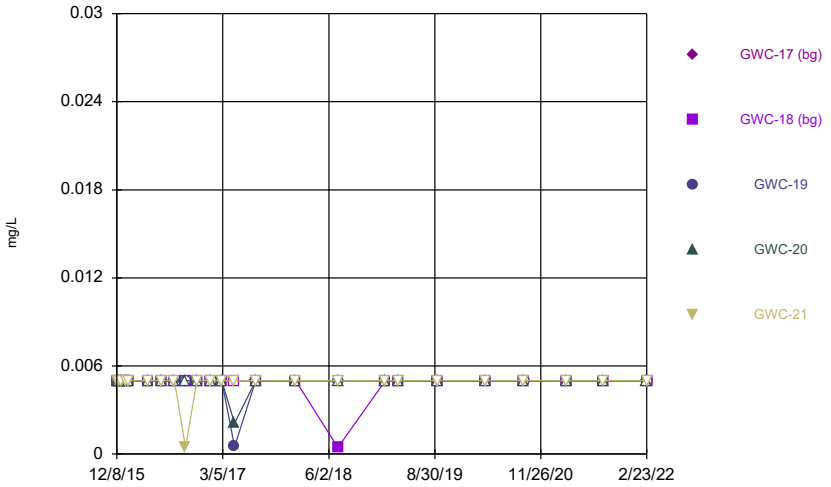
Time Series



Constituent: Selenium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

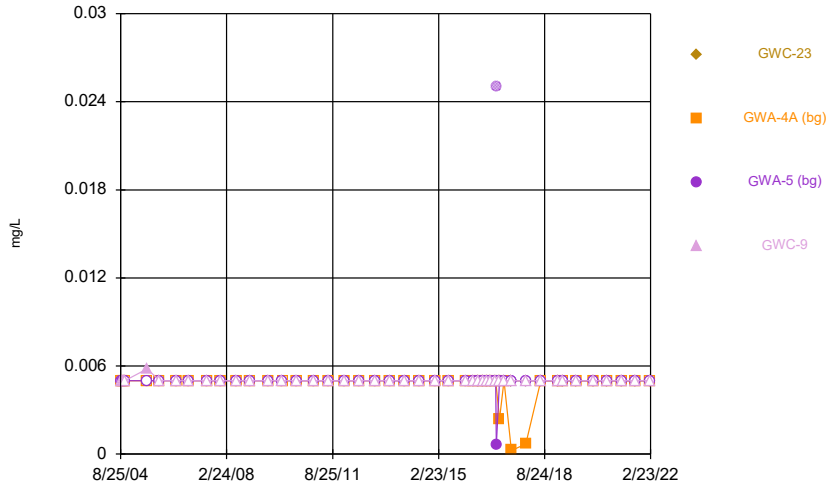
Time Series



Constituent: Selenium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

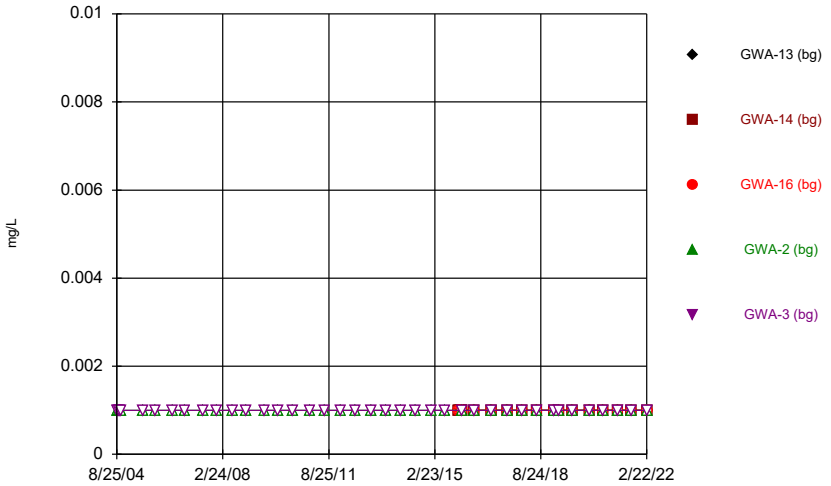
Time Series



Constituent: Selenium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

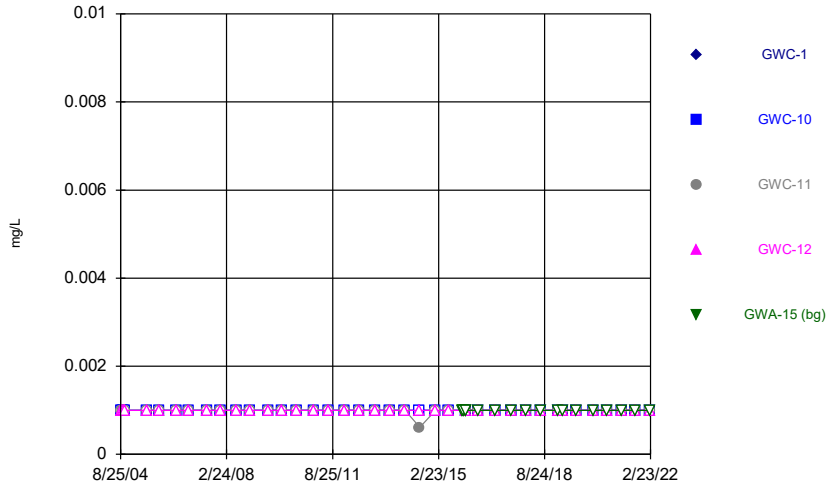
Time Series



Constituent: Silver Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

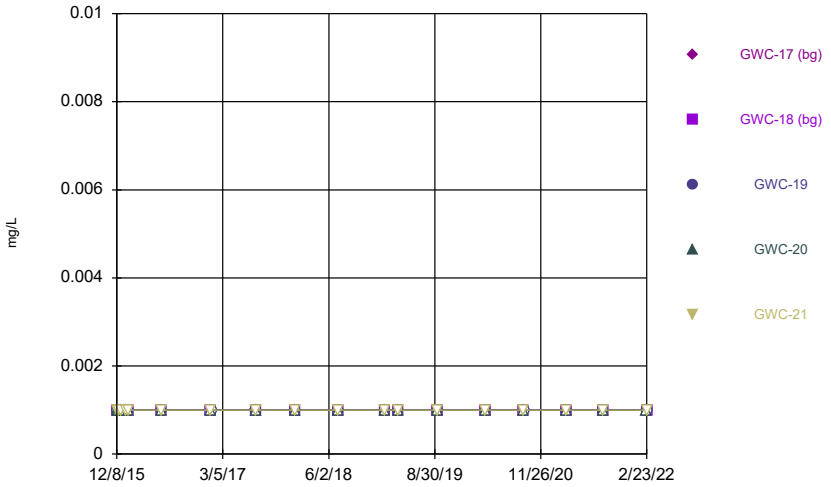
Time Series



Constituent: Silver Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

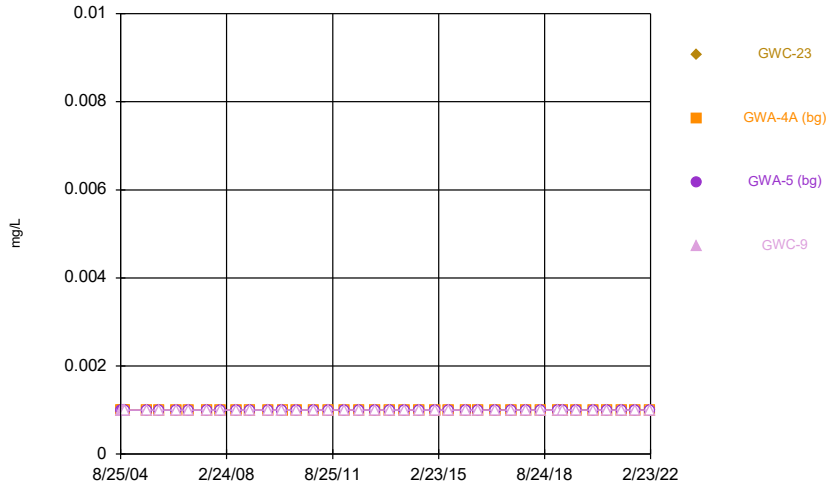
Time Series



Constituent: Silver Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

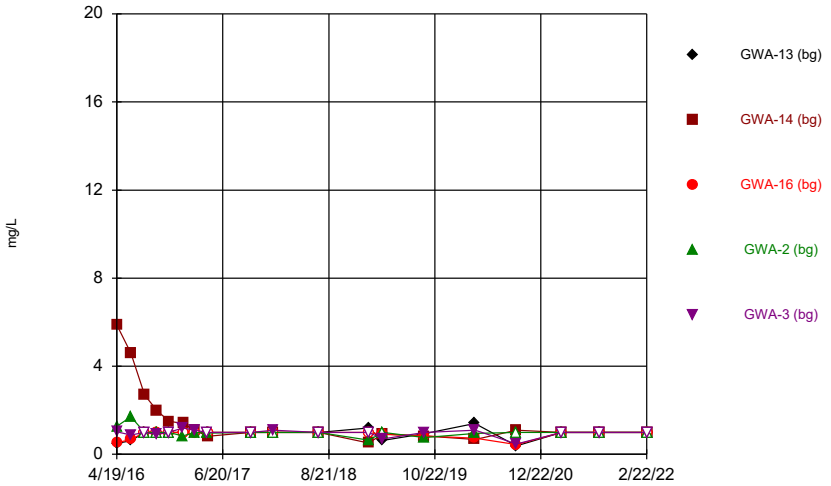
Time Series



Constituent: Silver Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

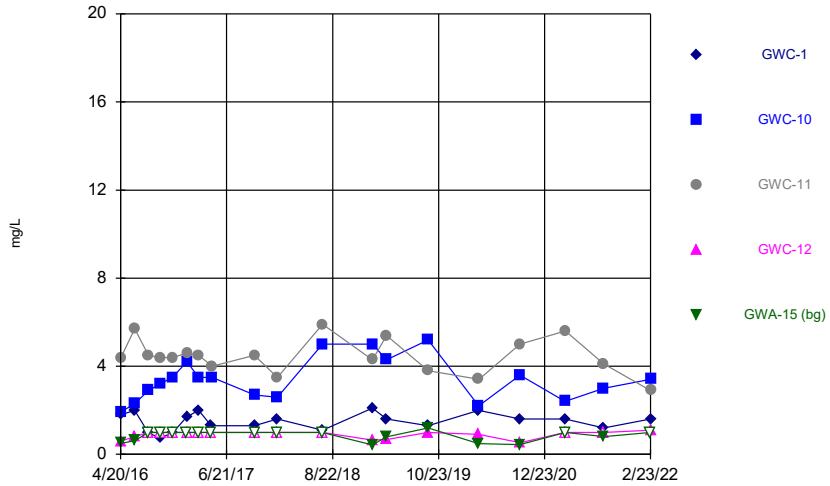
Time Series



Constituent: Sulfate Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

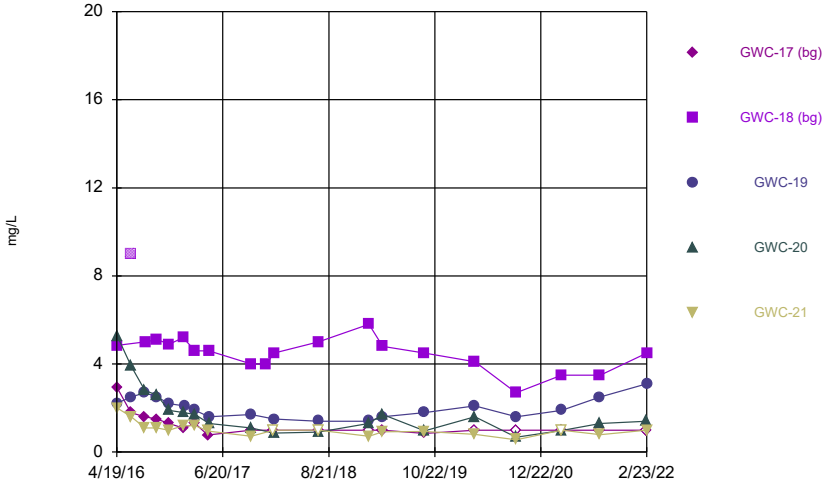
Time Series



Constituent: Sulfate Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

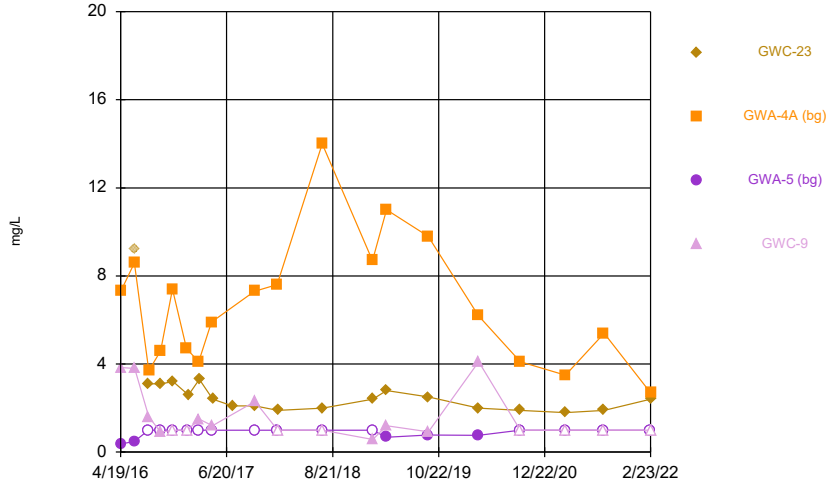
Time Series



Constituent: Sulfate Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

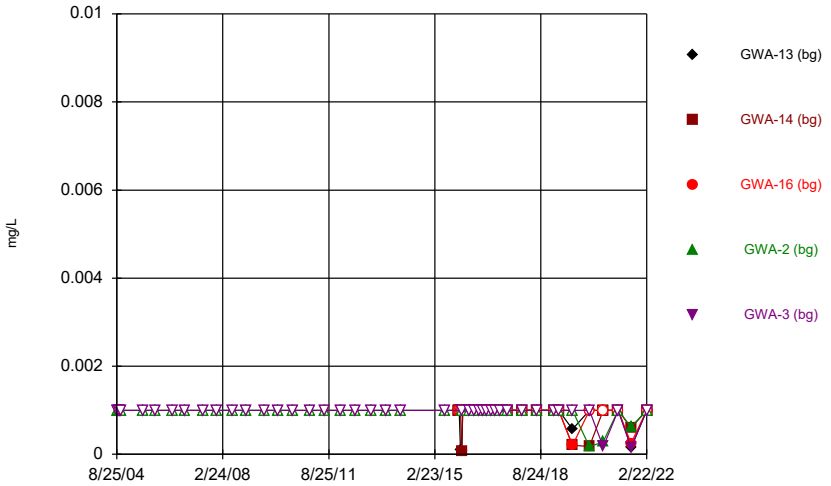
Time Series



Constituent: Sulfate Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

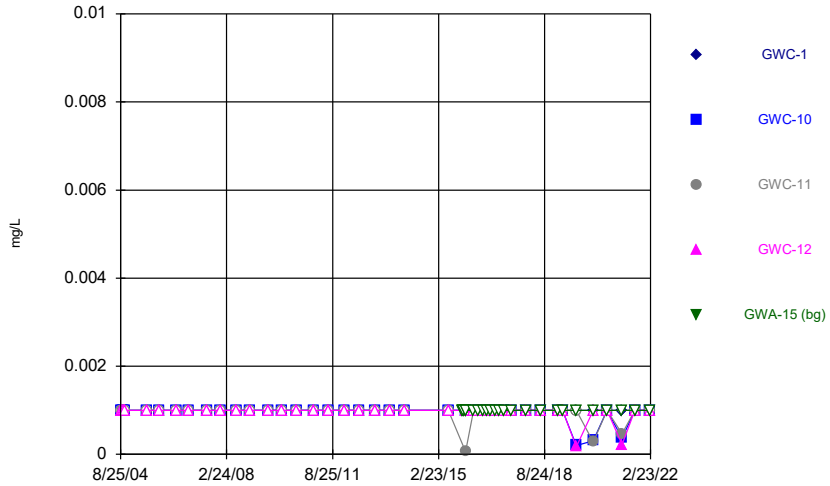
Time Series



Constituent: Thallium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

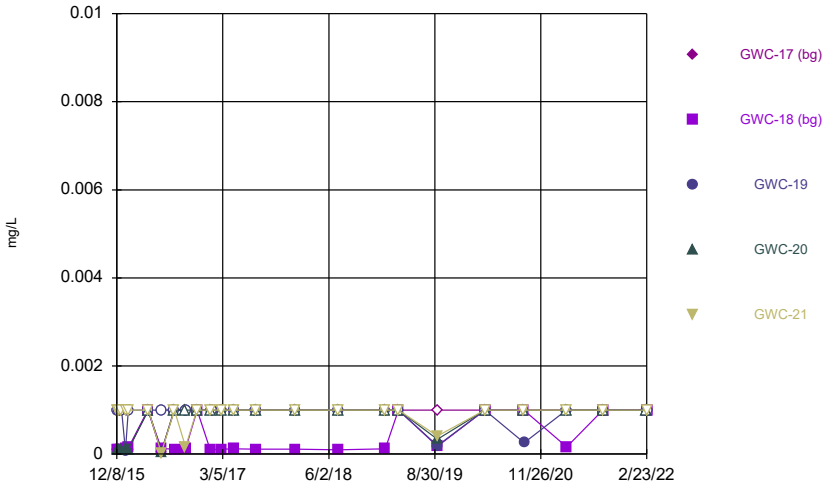
Time Series



Constituent: Thallium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

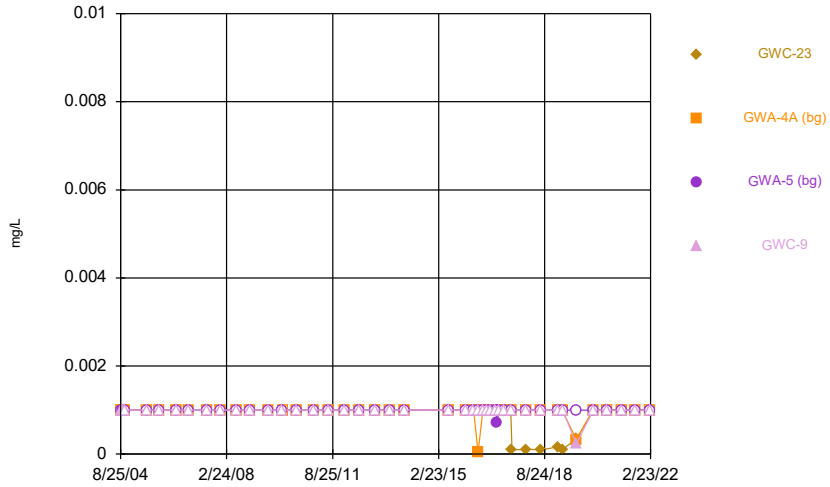
Time Series



Constituent: Thallium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

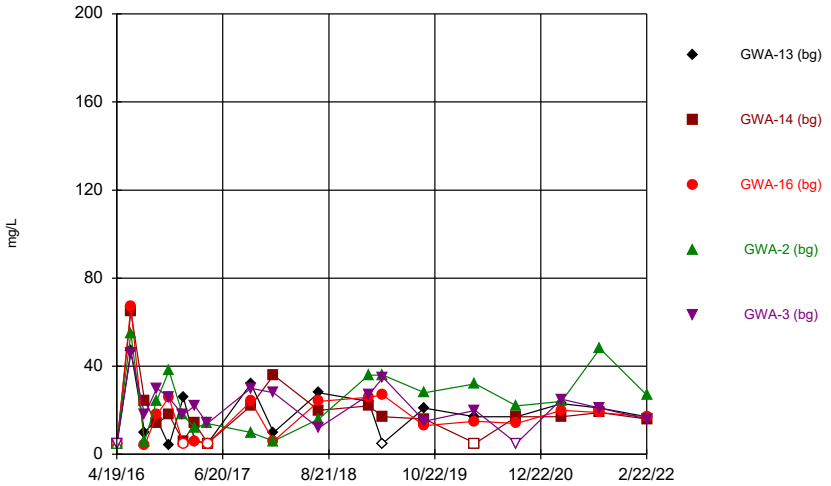
Time Series



Constituent: Thallium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

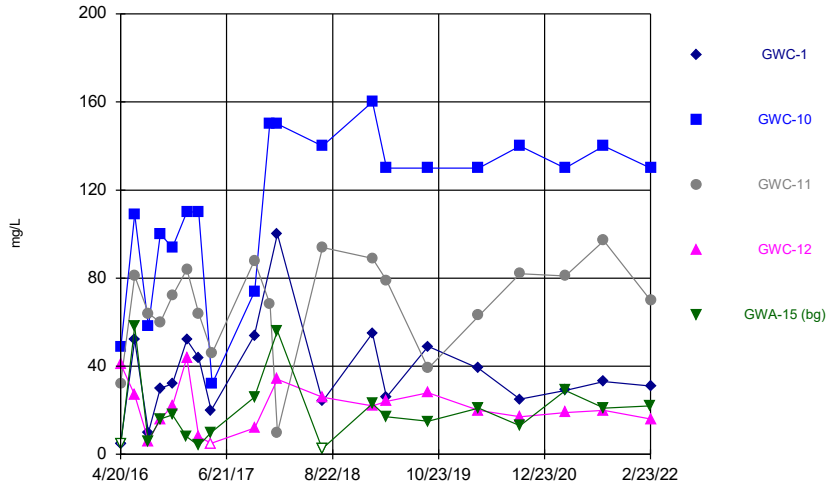
Time Series



Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

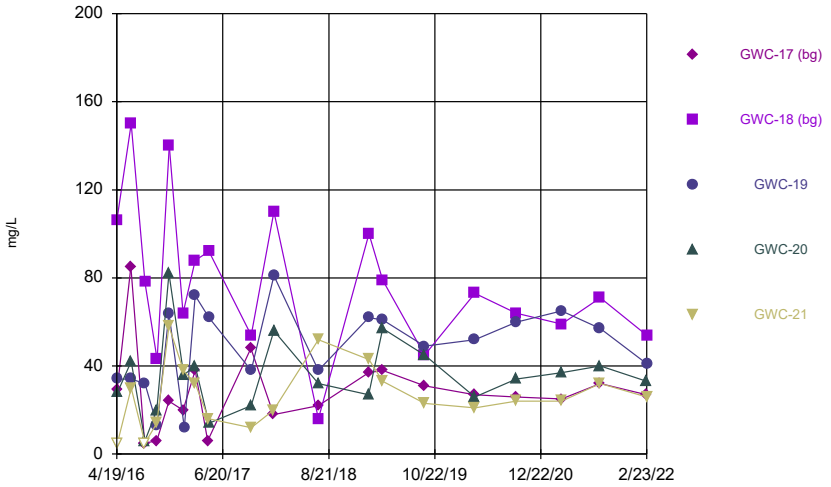
Time Series



Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

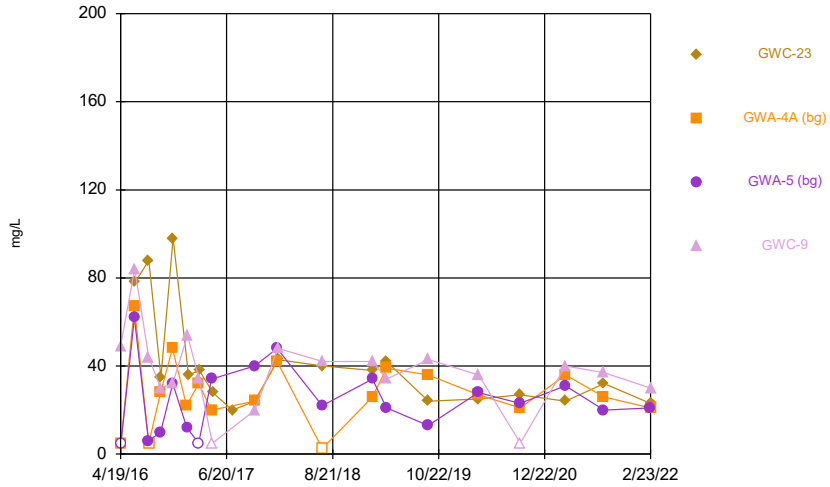
Time Series



Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

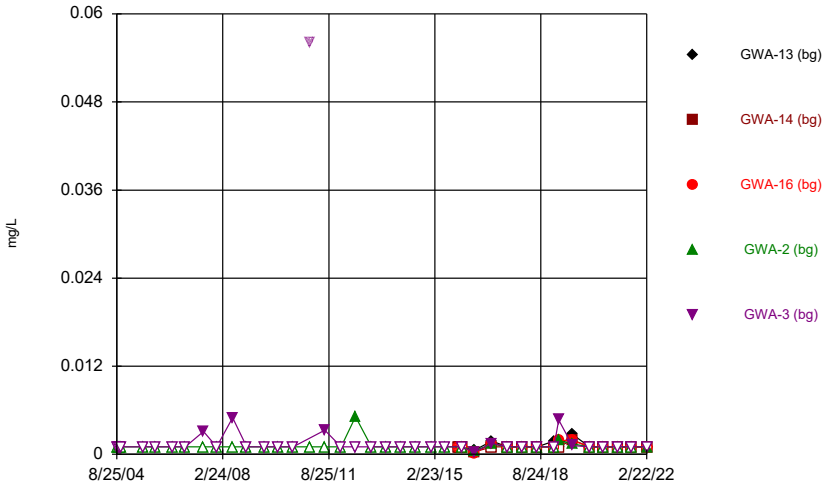
Time Series



Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

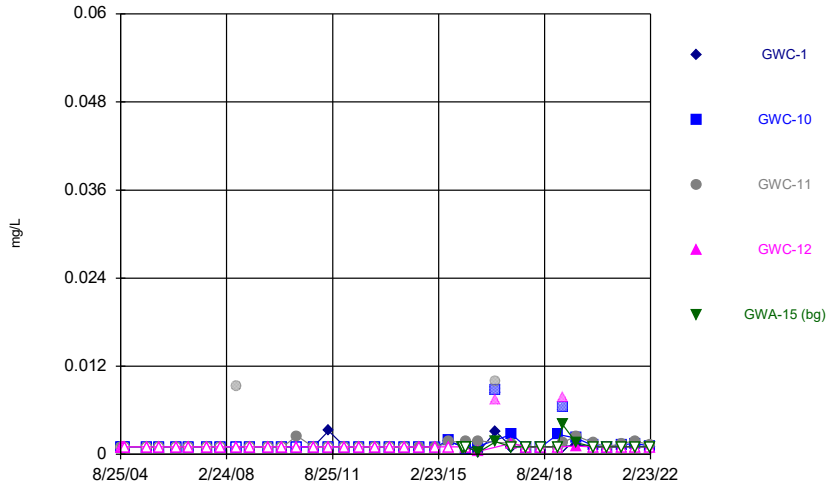
Time Series



Constituent: Vanadium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

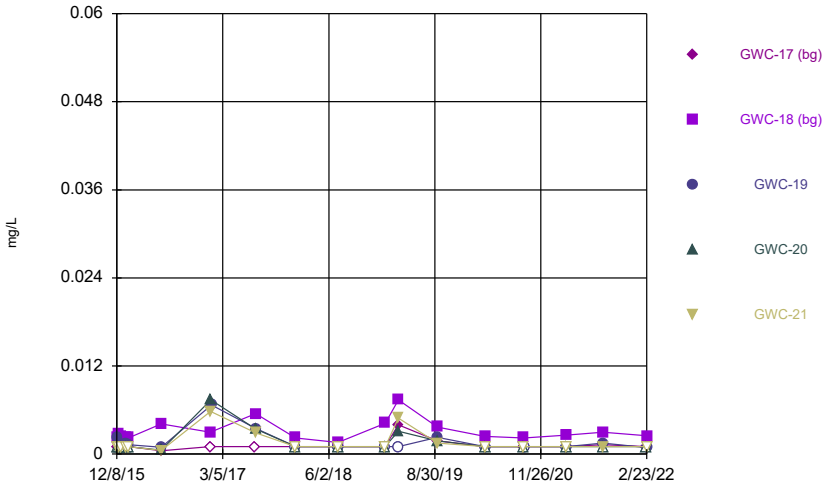
Time Series



Constituent: Vanadium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

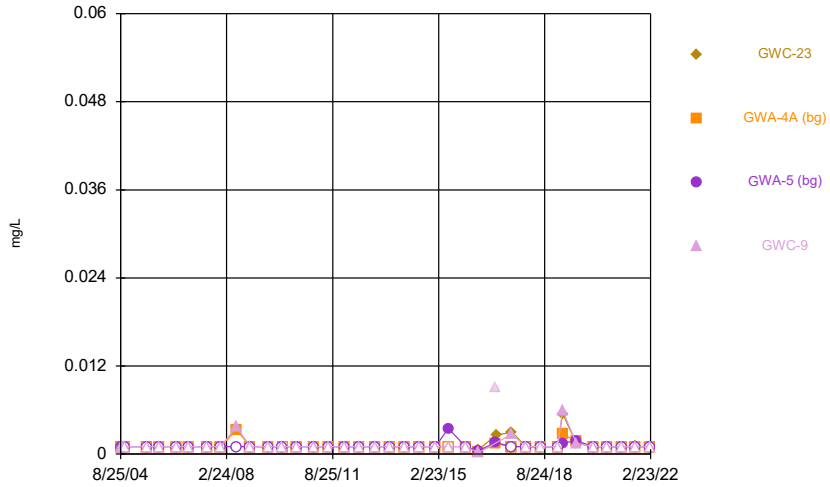
Time Series



Constituent: Vanadium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

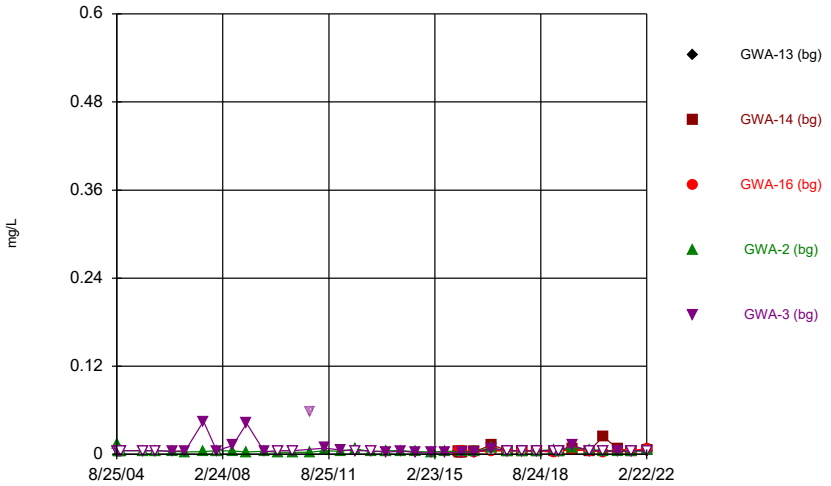
Time Series



Constituent: Vanadium Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

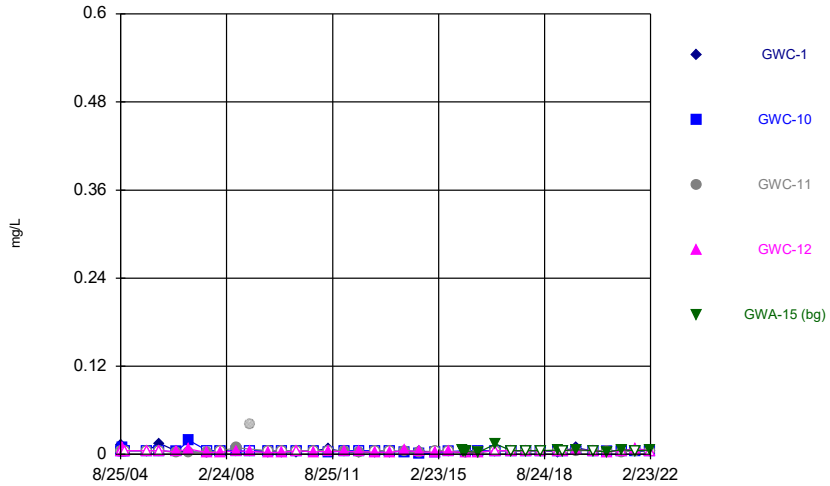
Time Series



Constituent: Zinc Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

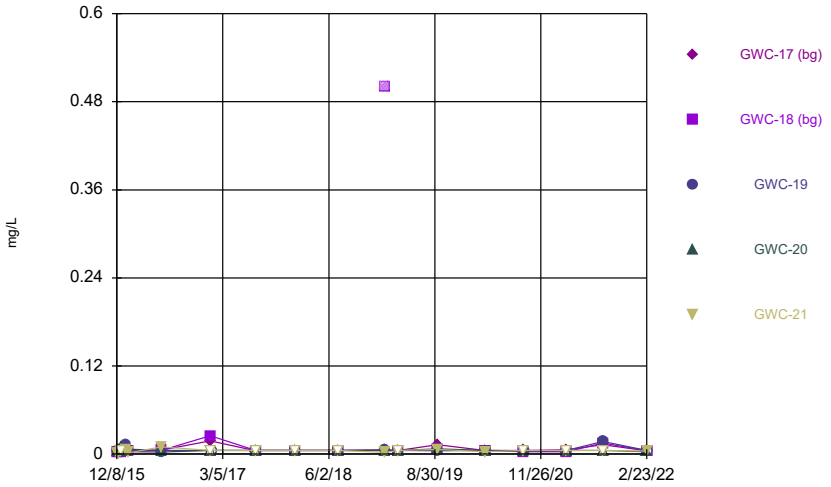
Time Series



Constituent: Zinc Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

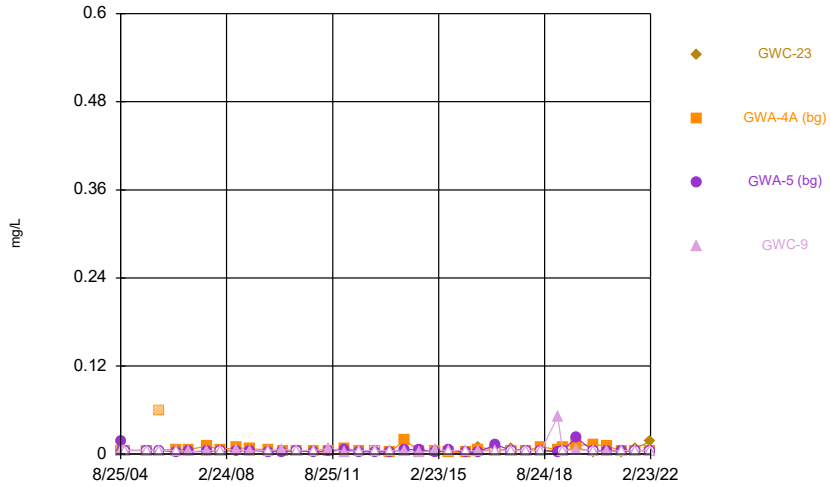
Time Series



Constituent: Zinc Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 8/2/2022 3:44 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.002	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.002
2/23/2022	<0.002	<0.002	<0.002	<0.002	

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.002			<0.002	
2/23/2022		<0.002	<0.002		<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	GWC-9
1/24/2017			<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	<0.002
8/19/2021	<0.002	<0.002	<0.002	<0.002
2/22/2022			<0.002	
2/23/2022	<0.002	<0.002		<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.001
2/23/2022	<0.001	0.00048 (J)	0.0013	<0.001	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.001			<0.001	
2/23/2022		0.00098 (J)	0.00028 (J)		<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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
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			<0.001	
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		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	<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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.001
8/19/2021	<0.001	<0.001	<0.001	<0.001
2/22/2022			<0.001	
2/23/2022	<0.001	0.00035 (J)		<0.001

Time Series

Constituent: Barium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	0.019	0.014	0.026	0.038	0.015

Time Series

Constituent: Barium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					0.026
2/23/2022	0.039	0.018	0.01	0.01	

Time Series

Constituent: Barium (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	0.019			0.018	
2/23/2022		0.012	0.01		0.02

Time Series

Constituent: Barium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	0.041
8/19/2021	0.019	0.013	0.038	0.024
2/22/2022			0.041	
2/23/2022	0.024	0.015		0.026

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.0025
2/23/2022	<0.0025	<0.0025	<0.0025	<0.0025	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	0.00078 (J)			<0.0025	
2/23/2022		<0.0025	0.00031 (J)		<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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)
8/19/2021	<0.0025	<0.0025	<0.0025	<0.0025
2/22/2022			<0.0025	
2/23/2022	<0.0025	<0.0025		<0.0025

Time Series

Constituent: Boron (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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)				
2/22/2022	<0.08	<0.08	<0.08	0.11	0.065 (J)

Time Series

Constituent: Boron (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.08
2/23/2022	<0.08	0.069 (J)	<0.08	<0.08	

Time Series

Constituent: Boron (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.08			<0.08	
2/23/2022		<0.08	<0.08		<0.08

Time Series

Constituent: Boron (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.08
9/28/2016	<0.08			
11/14/2016		<0.08		
11/15/2016			<0.08	<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	<0.08
8/19/2021	<0.08	<0.08	<0.08	<0.08
2/22/2022			<0.08	
2/23/2022	<0.08	0.096		<0.08

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.0025
2/23/2022	<0.0025	<0.0025	<0.0025	<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	0.00064 (J)			<0.0025	
2/23/2022		<0.0025	<0.0025		<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.0025	<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		<0.0025	<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	<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	<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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.0025
8/19/2021	<0.0025	<0.0025	<0.0025	<0.0025
2/22/2022			<0.0025	
2/23/2022	<0.0025	0.00024 (J)		<0.0025

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	0.35 (J)	0.52	0.43 (J)	0.42 (J)	0.72

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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)
2/22/2022					0.92
2/23/2022	1.4	22	8.1	0.64	

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	2			1.3	
2/23/2022		9.1	6.3		1.1

Time Series

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	0.21 (J)
9/28/2016	8.5			
11/14/2016		3.1		
11/15/2016			2.5	0.27
11/16/2016	8.4			
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	0.51
8/19/2021	1.1	0.3 (J)	2.4	0.67
2/22/2022			2.3	
2/23/2022	0.92	0.35 (J)		1

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	3.8	4	3.7	4.6	3.4

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					3.7
2/23/2022	5.6	6.8	4.8	4.1	

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	4.5			7.7	
2/23/2022		5	5.8		7.3

Time Series

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	12
9/28/2016	4			
11/14/2016		4.2		
11/15/2016			3.7	11
11/16/2016	4.1			
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 (o)	
9/16/2020		3.5		8.6
3/17/2021	5.5	4.5	4.2	9.5
8/19/2021	6	3.5	4.3	7.9
2/22/2022			3.8	
2/23/2022	5.2	3.7		9.9

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.002	<0.002	0.0015 (J)	0.0018 (J)	<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.002
2/23/2022	<0.002	0.0031	0.005	0.0016 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	0.003			<0.002	
2/23/2022		0.0025	0.0016 (J)		<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.002
8/19/2021	0.0023	<0.002	<0.002	<0.002
2/22/2022			<0.002	
2/23/2022	0.0028	<0.002		<0.002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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)				
2/22/2022	0.00052 (J)	0.00042 (J)	0.00048 (J)	0.0015 (J)	0.00037 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 (o)	
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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)
2/22/2022					0.00051 (J)
2/23/2022	0.0017 (J)	<0.0025	<0.0025	0.00049 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 3:45 PM

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)
2/22/2022	<0.0025			0.0009 (J)	
2/23/2022		<0.0025	<0.0025		0.00079 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.0025	<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			0.011	<0.0025
12/30/2009		0.013		
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		0.0061	<0.0025	<0.0025
7/11/2012		0.01	0.0072	0.0013
1/19/2013			<0.0025	0.0055
1/20/2013		0.0033		
7/18/2013			<0.0025	<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	<0.0025	
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)	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)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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)
2/22/2022			0.00076 (J)	
2/23/2022	0.0026	0.0013 (J)		0.00064 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.002	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.002
2/23/2022	<0.002	<0.002	<0.002	<0.002	

Time Series

Constituent: Copper (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.002			<0.002	
2/23/2022		<0.002	<0.002		<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	GWC-9
8/25/2004		0.0023	<0.002	<0.002
9/11/2004		<0.002	<0.002	<0.002
9/26/2004		<0.002	<0.002	0.0021
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	<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)	<0.002
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	<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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.002
8/19/2021	0.0013 (J)	0.00087 (J)	<0.002	<0.002
2/22/2022			<0.002	
2/23/2022	<0.002	0.0012 (J)		<0.002

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.1	<0.1	<0.1	<0.1	<0.1

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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)
2/22/2022					<0.1
2/23/2022	<0.1	0.13	0.36	0.043 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	0.062 (J)			0.033 (J)	
2/23/2022		0.66	0.11		0.037 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.1
9/28/2016	0.097 (J)			
11/14/2016		<0.1		
11/15/2016			<0.1	<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)
8/19/2021	<0.1	<0.1	0.035 (J)	0.064 (J)
2/22/2022			<0.1	
2/23/2022	0.03 (J)	<0.1		0.049 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.001	<0.001	<0.001	0.0054	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.001
2/23/2022	<0.001	<0.001	0.00017 (J)	<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.001			<0.001	
2/23/2022		0.00026 (J)	<0.001		<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	GWC-9
8/25/2004		<0.001	<0.001	0.0056 (o)
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
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			<0.001	
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		<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	<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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.001
8/19/2021	<0.001	<0.001	<0.001	<0.001
2/22/2022			<0.001	
2/23/2022	<0.001	0.00019 (J)		<0.001

Time Series

Constituent: Mercury (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.001	<0.001	<0.001	0.00092 (J)	<0.001

Time Series

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					0.00061 (J)
2/23/2022	0.0012	<0.001	<0.001	0.0011	

Time Series

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 3:45 PM

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)
2/22/2022	0.0017			0.00092 (J)	
2/23/2022		0.001	0.0011		0.00071 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	0.003
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		0.0048		
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		0.0026	<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		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		0.0031		
7/10/2014		<0.001	<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	<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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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)
2/22/2022			<0.001	
2/23/2022	0.0013	<0.001		0.00076 (J)

Time Series

Constituent: pH (S.U.) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	4.91	5.2	4.98	4.69	4.9

Time Series

Constituent: pH (S.U.) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					5.15
2/23/2022	4.92	6.46	6.28	5.1	

Time Series

Constituent: pH (S.U.) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	5.29			5.02	
2/23/2022		6.2	5.63		4.87

Time Series

Constituent: pH (S.U.) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	4.91
9/28/2016	6.29			
11/14/2016		5.94		
11/15/2016			5.58	4.81
11/16/2016	6.18			
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	4.85
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
8/19/2021	5.16	4.86	5.23	4.89
2/22/2022			5.34	
2/23/2022	5.11	4.8		5.07

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.005	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.005
2/23/2022	<0.005	<0.005	<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.005			<0.005	
2/23/2022		<0.005	<0.005		<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.005
8/19/2021	<0.005	<0.005	<0.005	<0.005
2/22/2022			<0.005	
2/23/2022	<0.005	<0.005		<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.001
2/23/2022	<0.001	<0.001	<0.001	<0.001	

Time Series

Constituent: Silver (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.001			<0.001	
2/23/2022		<0.001	<0.001		<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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
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			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
6/14/2016		<0.001	<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	<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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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
2/22/2022			<0.001	
2/23/2022	<0.001	<0.001		<0.001

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<1	<1	<1	<1	<1

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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)
2/22/2022					<1
2/23/2022	1.6	3.4	2.9	1.1	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 3:45 PM

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)
2/22/2022	<1			1.4	
2/23/2022		4.5	3.1		1

Time Series

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	0.91 (J)
9/28/2016	3.1			
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	<1
8/19/2021	1.9	5.4	<1	<1
2/22/2022			<1	
2/23/2022	2.4	2.7		<1

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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)				
2/22/2022	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					<0.001
2/23/2022	<0.001	<0.001	<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.001			<0.001	
2/23/2022		<0.001	<0.001		<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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			

Time Series

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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
8/19/2021	<0.001	<0.001	<0.001	<0.001
2/22/2022			<0.001	
2/23/2022	<0.001	<0.001		<0.001

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	17	16	17	27	16

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					22
2/23/2022	31	130	70	16	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	27			33	
2/23/2022		54	41		26

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	30
9/28/2016	35			
11/14/2016		48		
11/15/2016			32	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
8/19/2021	32	26	20	37
2/22/2022			21	
2/23/2022	23	21		30

Time Series

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.001	<0.001	<0.001	0.001	<0.001

Time Series

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 (o)	0.01 (o)	0.0075 (o)	
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 (o)	0.0016	0.0078 (o)	
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
2/22/2022					<0.001
2/23/2022	<0.001	0.0011	0.0013	<0.001	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 3:45 PM

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
2/22/2022	<0.001			<0.001	
2/23/2022		0.0025	0.00088 (J)		<0.001

Time Series

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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		0.0033	<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
1/14/2016		<0.001	<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 (o)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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	<0.001
8/19/2021	0.0011	<0.001	<0.001	<0.001
2/22/2022			<0.001	
2/23/2022	<0.001	<0.001		<0.001

Time Series

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16 (bg)	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				
2/22/2022	<0.005	0.0054	0.0076	0.0055	<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWA-15 (bg)
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
2/22/2022					0.0057
2/23/2022	<0.005	<0.005	<0.005	<0.005	

Time Series

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 3:45 PM

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 (o)			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
2/22/2022	0.0046 (J)			0.0034 (J)	
2/23/2022		<0.005	<0.005		0.004 (J)

Time Series

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	GWC-9
8/25/2004		<0.005	0.017	<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	<0.005
12/7/2005		0.06 (O)	<0.005	<0.005
6/22/2006		0.0061	0.0033	<0.005
11/28/2006		0.0064	0.0034	0.0034
7/6/2007		0.011	0.0037	0.0049
12/13/2007		0.0061	<0.005	<0.005
6/20/2008		0.009	0.0042	0.006
12/7/2008		0.0071	0.0049	0.0043
7/9/2009		0.0059	0.0032	<0.005
12/29/2009			0.0031	0.0061
12/30/2009		0.0038		
6/22/2010		0.0044	<0.005	<0.005
1/4/2011		0.0038	0.0029	
1/5/2011				<0.005
7/9/2011			0.0038	0.0077
7/10/2011		0.005		
1/21/2012		0.0074	0.0057	0.0032
7/11/2012		0.0047	0.0032	<0.005
1/19/2013			0.0032	<0.005
1/20/2013		<0.005		
7/18/2013			0.0027	<0.005
7/19/2013		0.0032		
1/15/2014			0.0059	0.0036
1/16/2014		0.019		
7/10/2014		0.0038	0.0064	0.0024 (J)
1/15/2015			0.0024 (J)	
1/16/2015		0.0045		0.0055
6/19/2015			0.0057	
6/20/2015		0.0023 (J)		<0.005
1/14/2016		0.0024 (J)	0.0022 (J)	<0.005
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

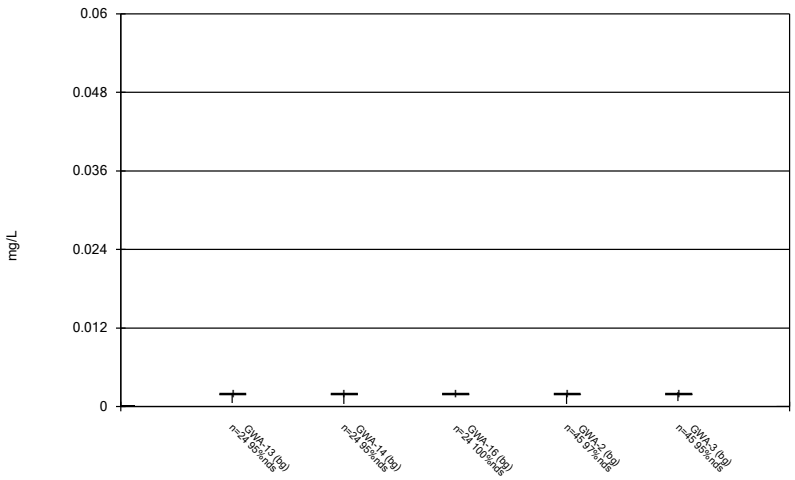
Constituent: Zinc (mg/L) Analysis Run 8/2/2022 3:45 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23	GWA-4A (bg)	GWA-5 (bg)	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
8/19/2021	0.0081	0.004 (J)	<0.005	<0.005
2/22/2022			<0.005	
2/23/2022	0.017	<0.005		<0.005

FIGURE B.

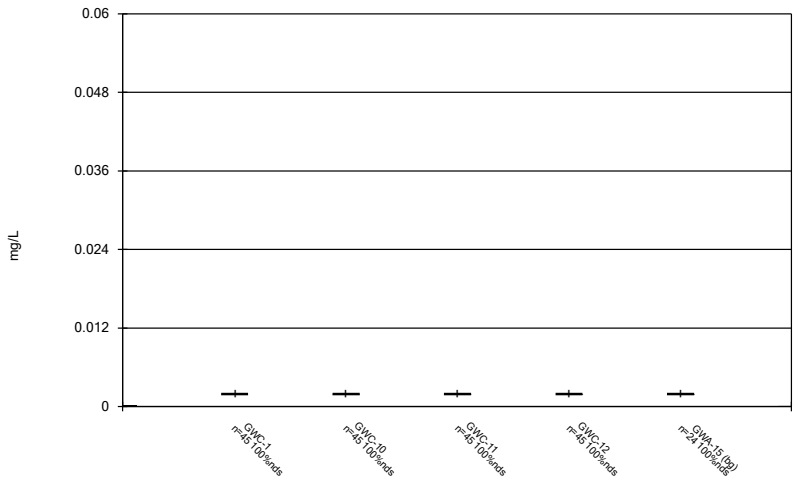
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

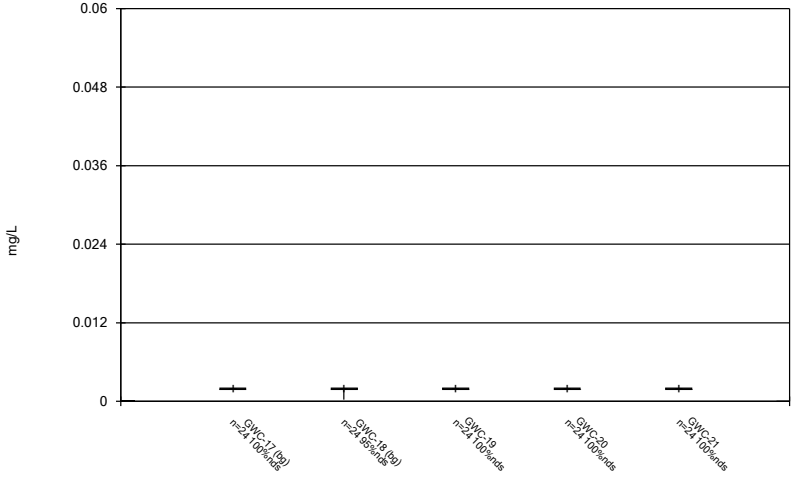
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

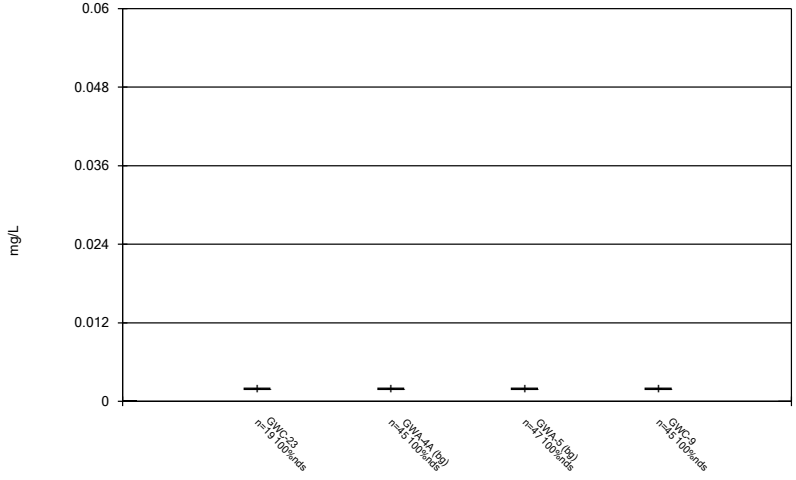
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

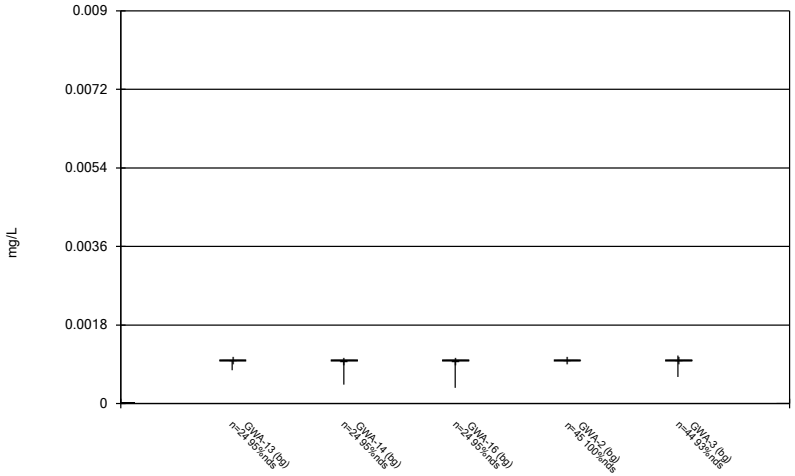
Box & Whiskers Plot



Constituent: Antimony Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

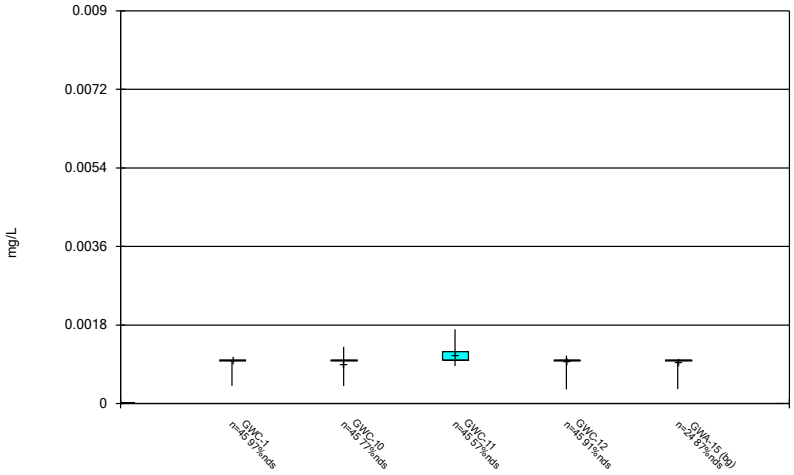


Constituent: Arsenic Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

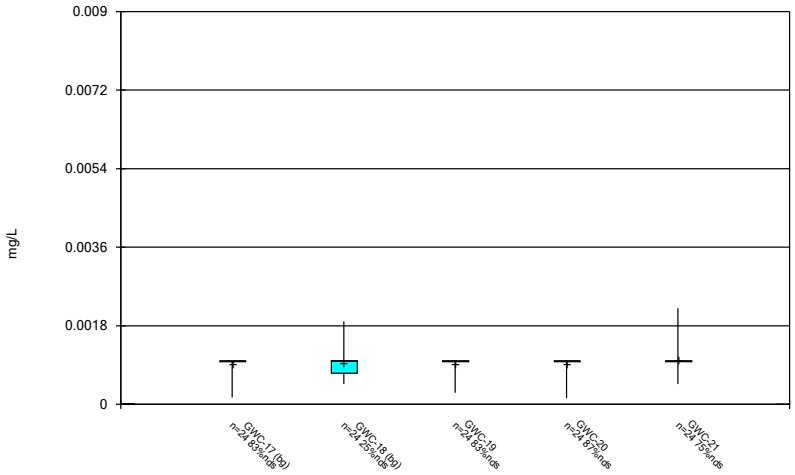


Constituent: Arsenic Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

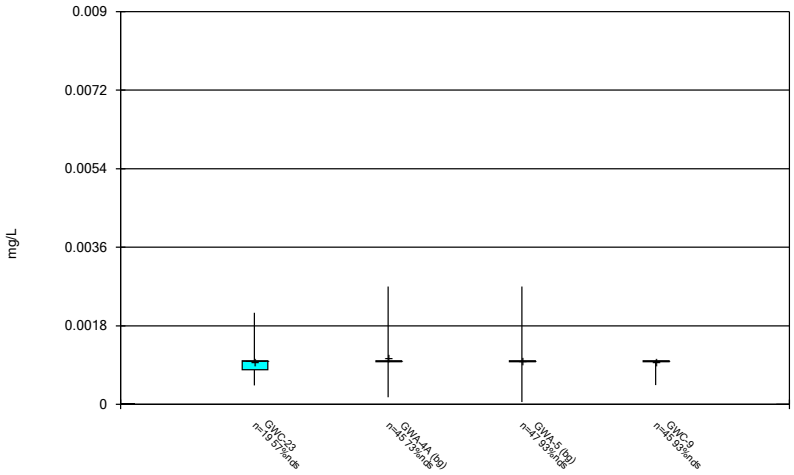


Constituent: Arsenic Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

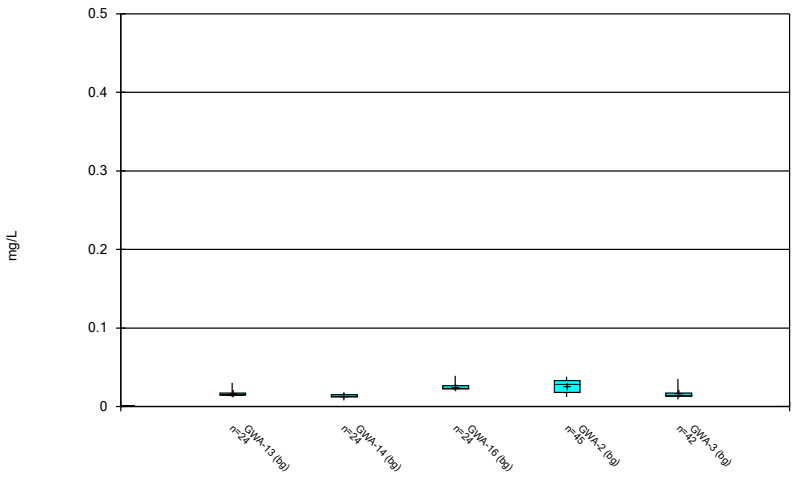
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

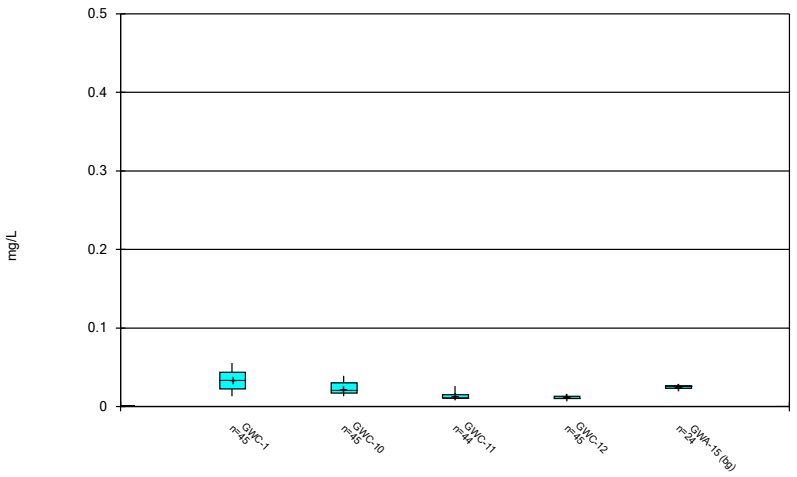


Constituent: Barium Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

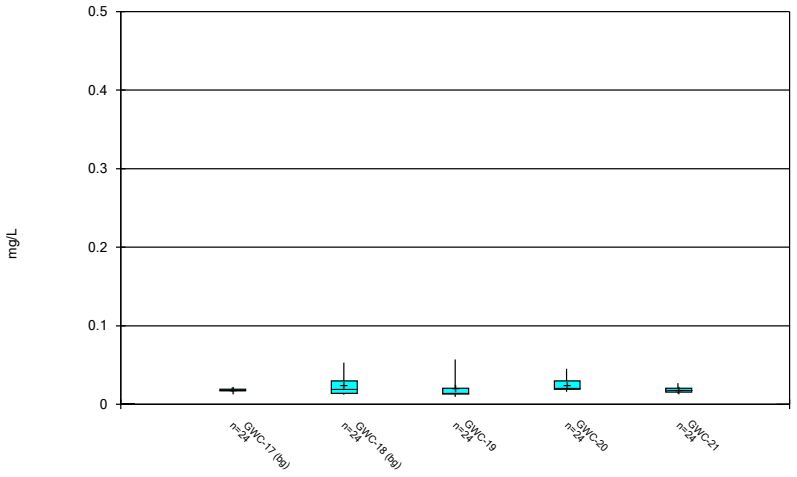


Constituent: Barium Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

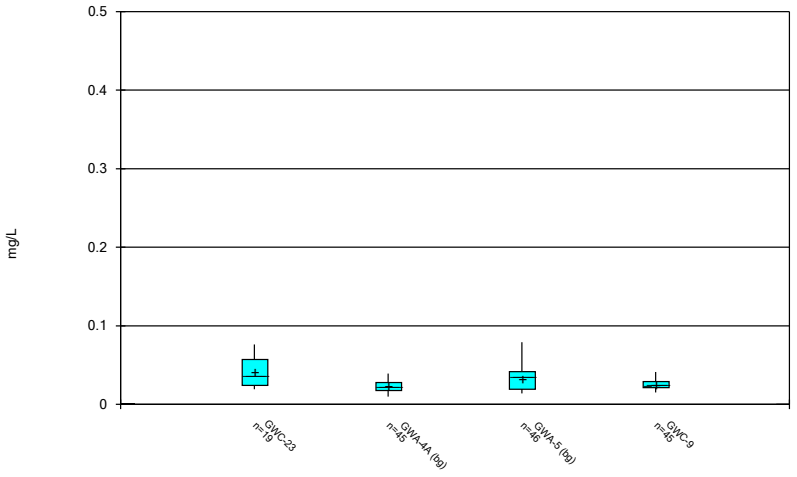


Constituent: Barium Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

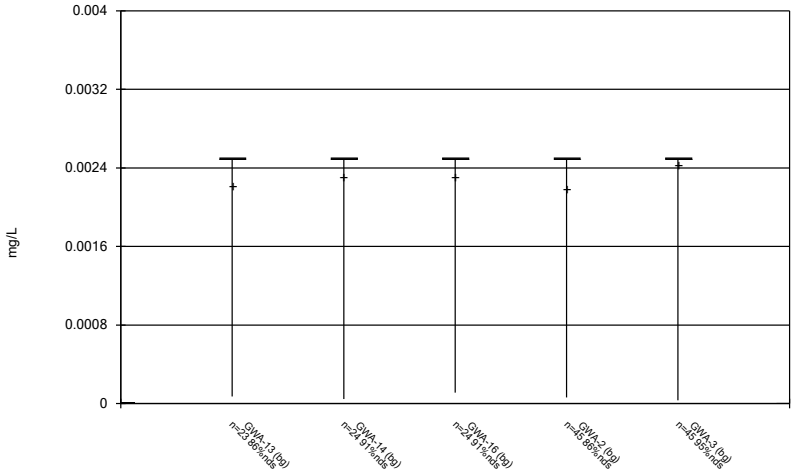
Box & Whiskers Plot



Constituent: Barium Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

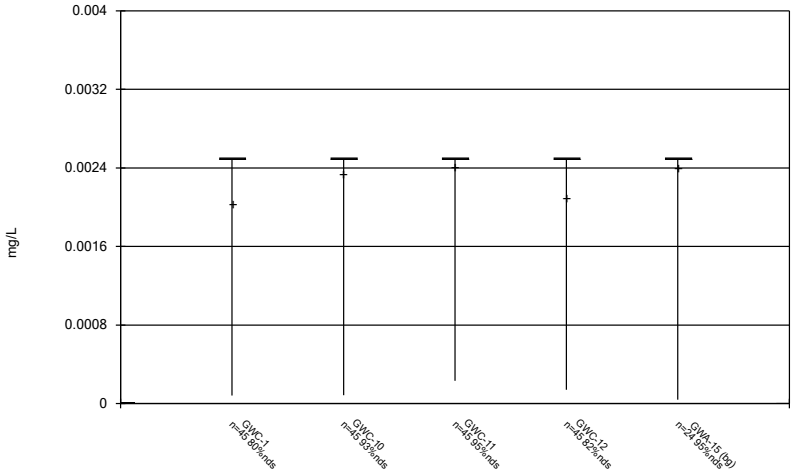


Constituent: Beryllium Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

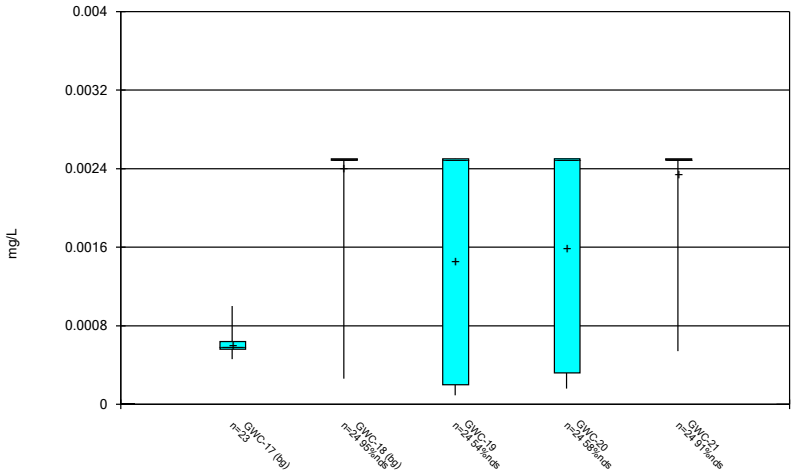


Constituent: Beryllium Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

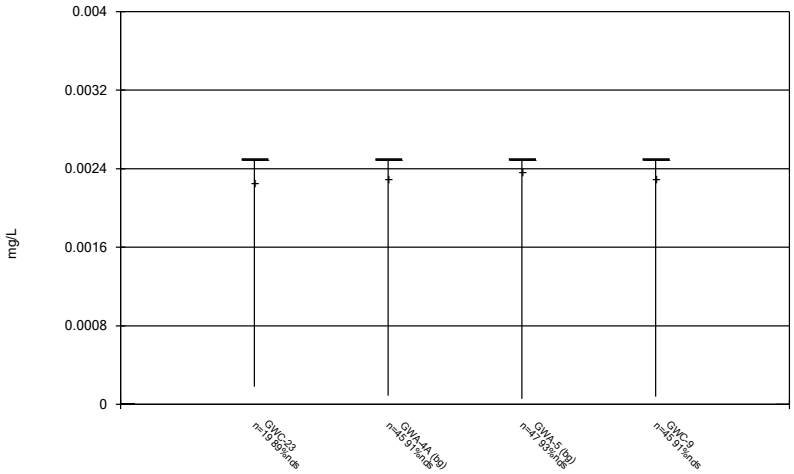


Constituent: Beryllium Analysis Run 8/2/2022 3:46 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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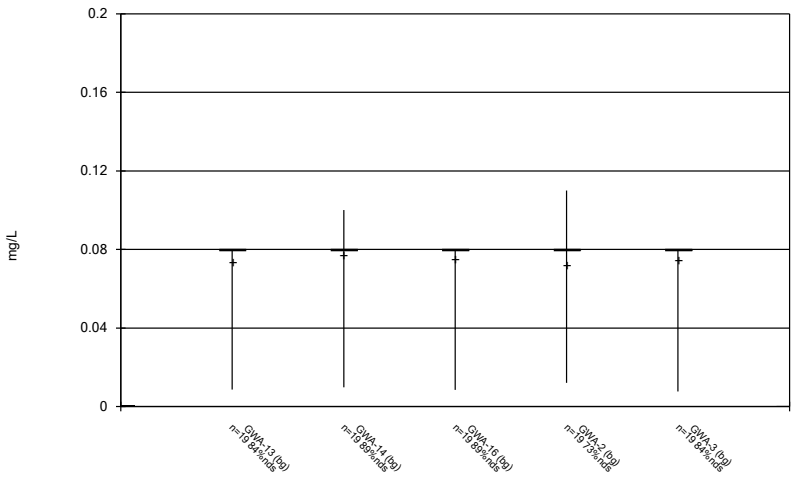
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



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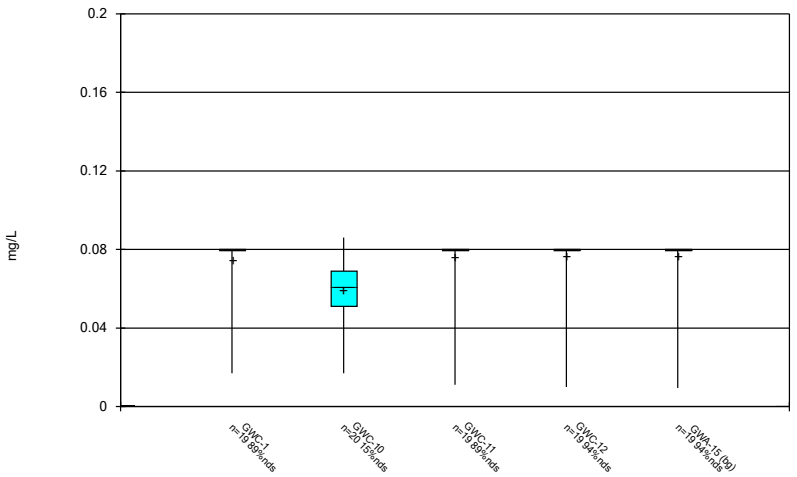
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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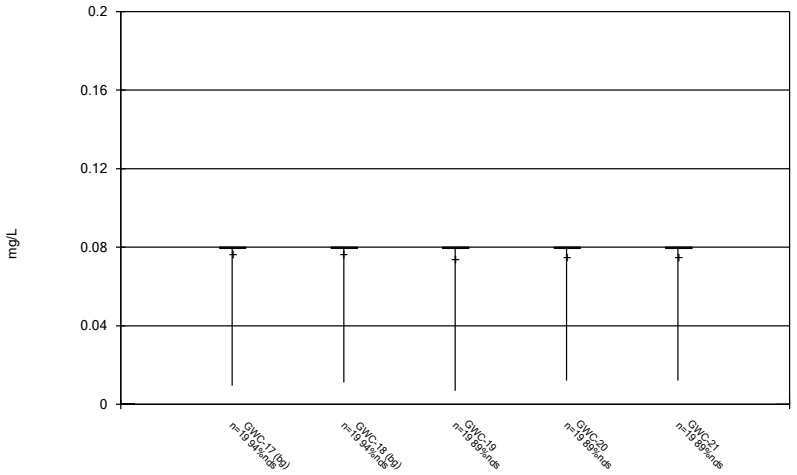
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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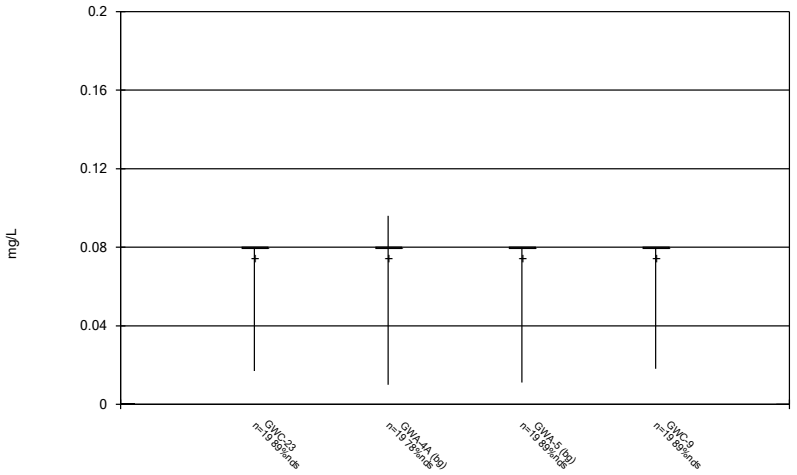
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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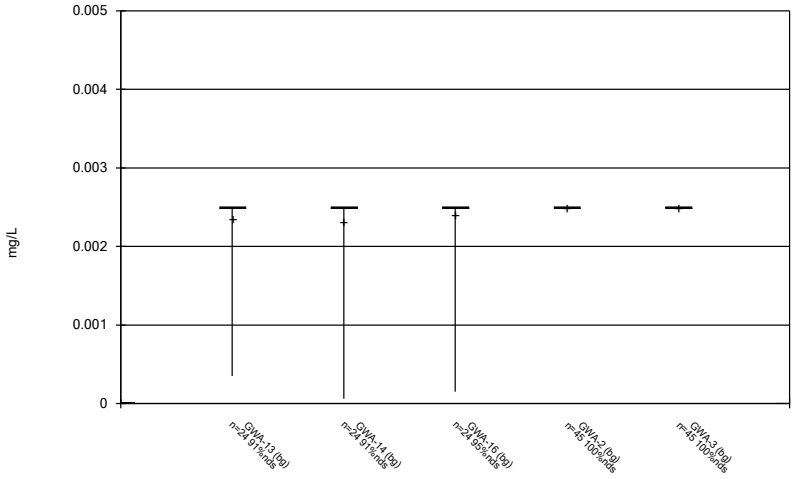
Box & Whiskers Plot



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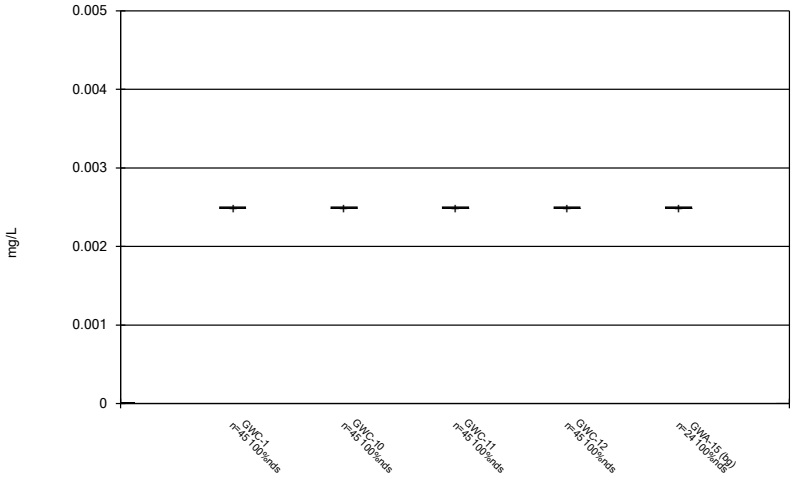
Box & Whiskers Plot



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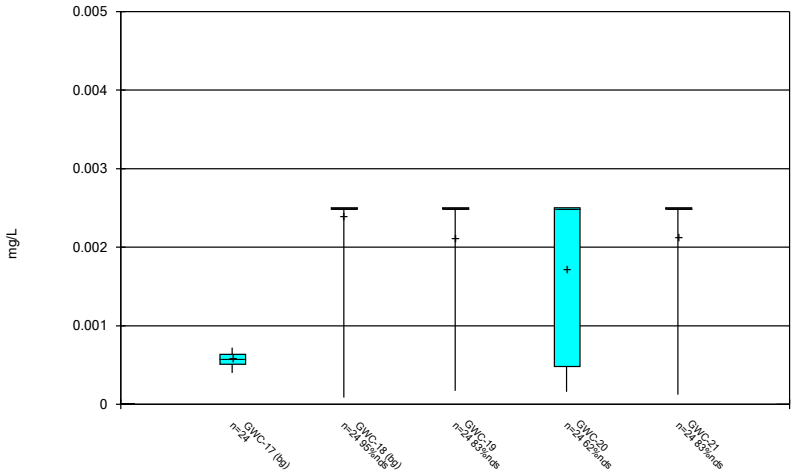
Box & Whiskers Plot



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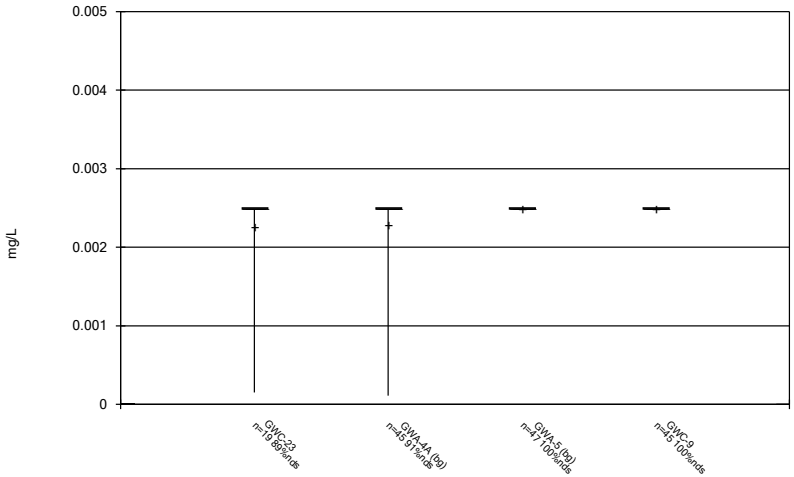
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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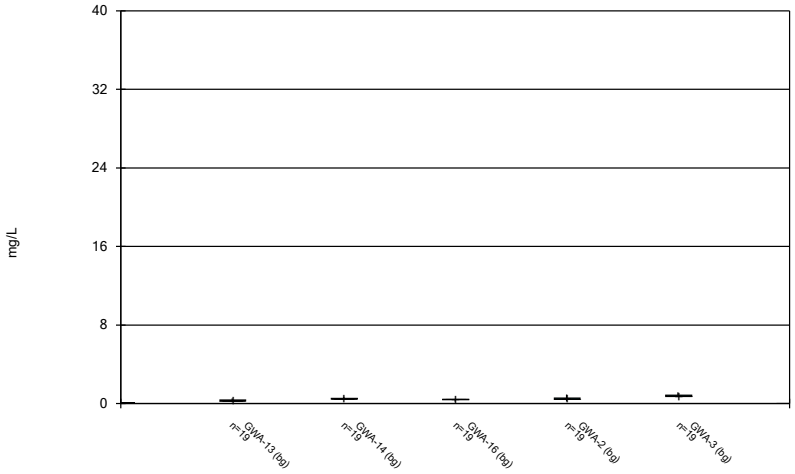
Box & Whiskers Plot



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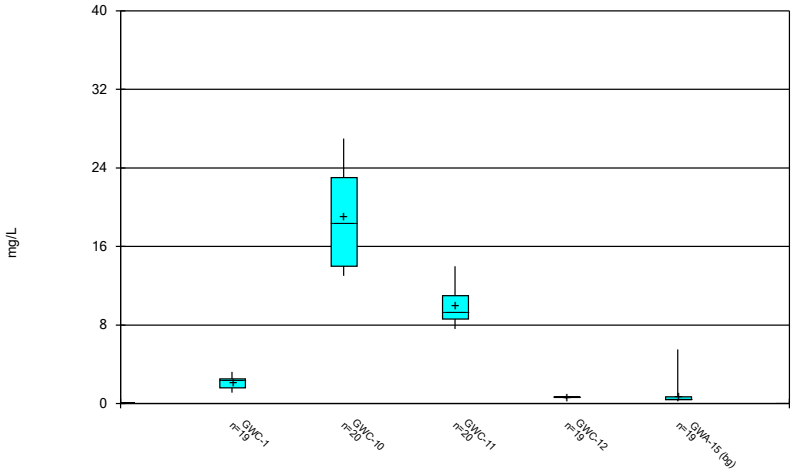
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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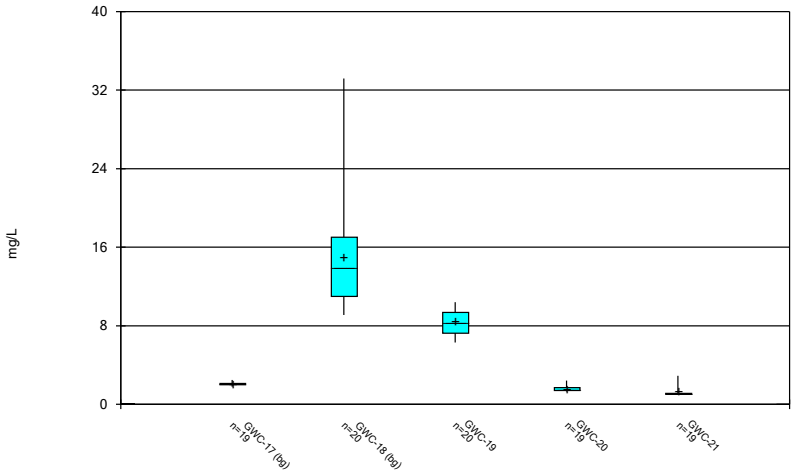
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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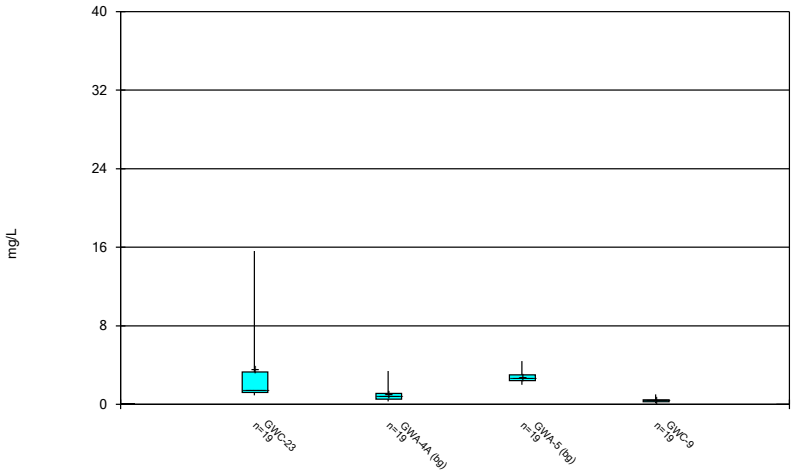
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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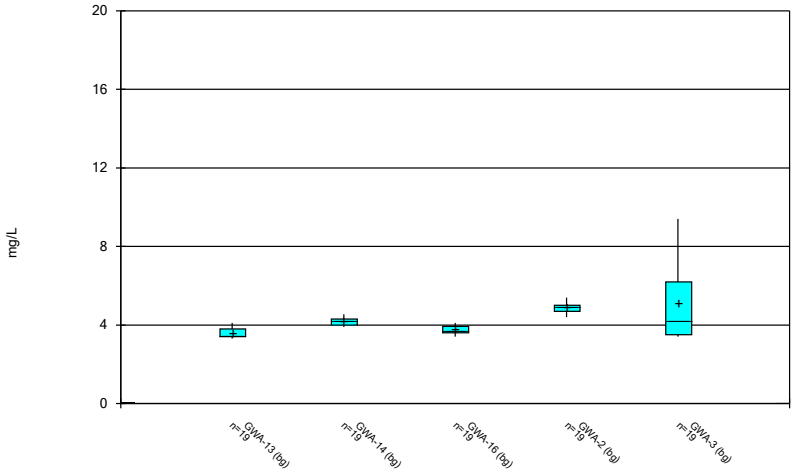
Box & Whiskers Plot



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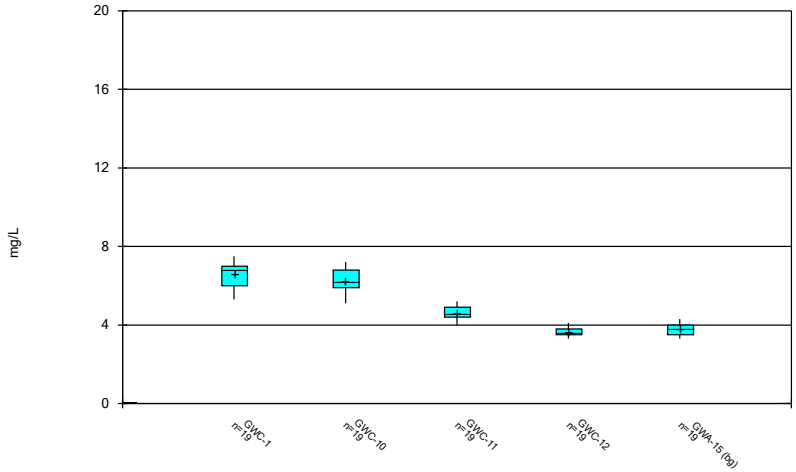
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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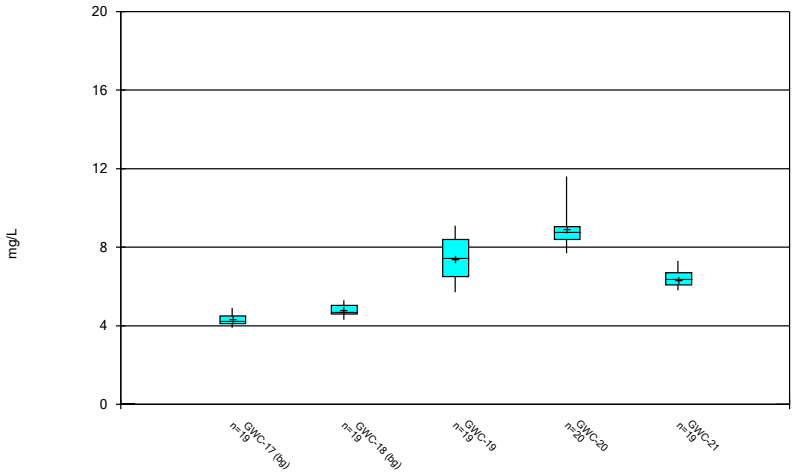
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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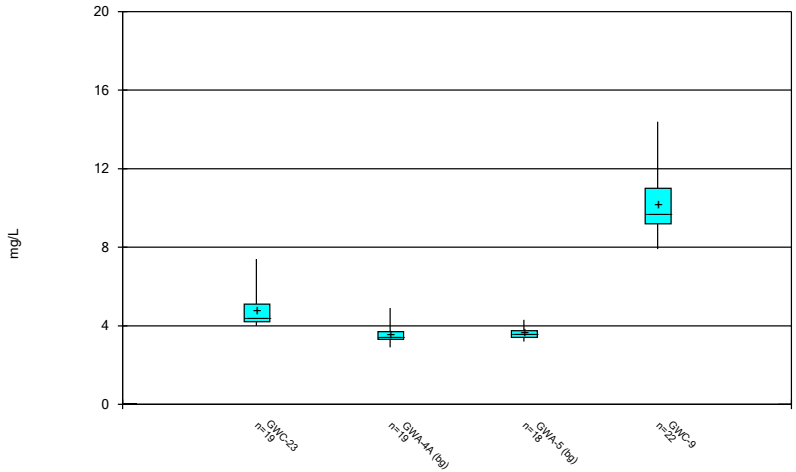
Box & Whiskers Plot



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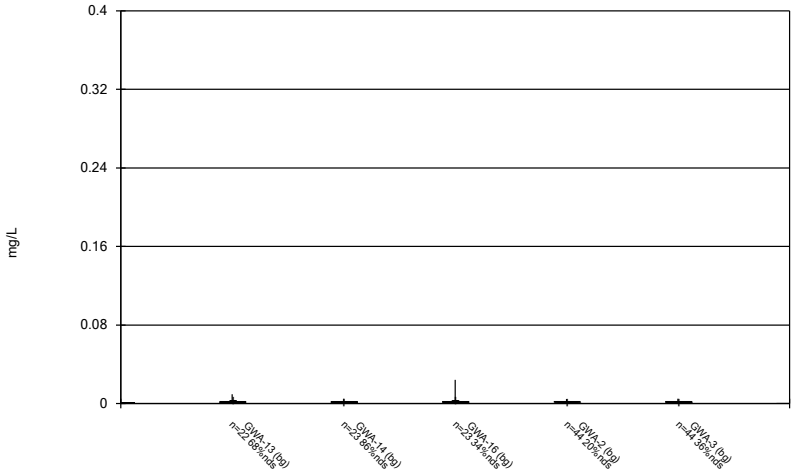
Box & Whiskers Plot



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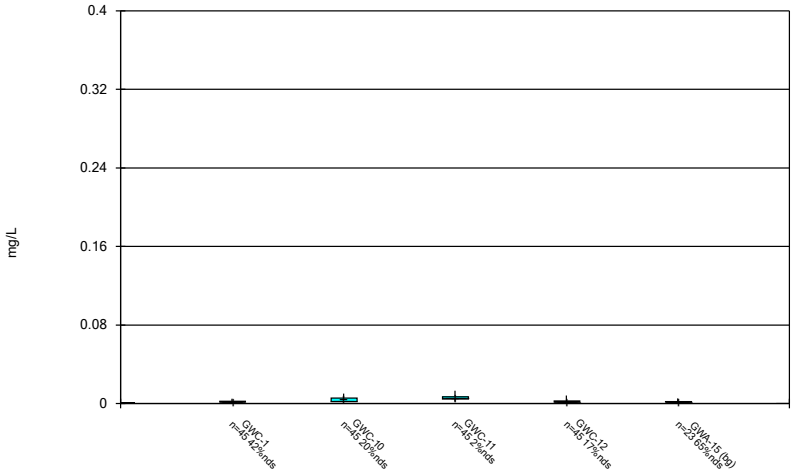
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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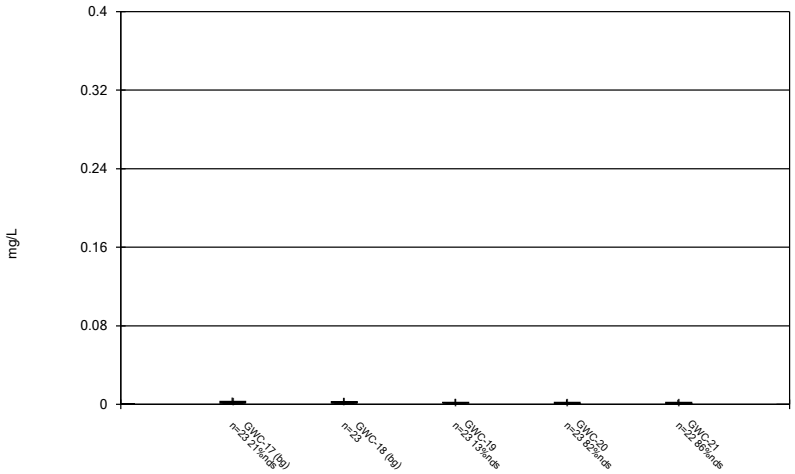

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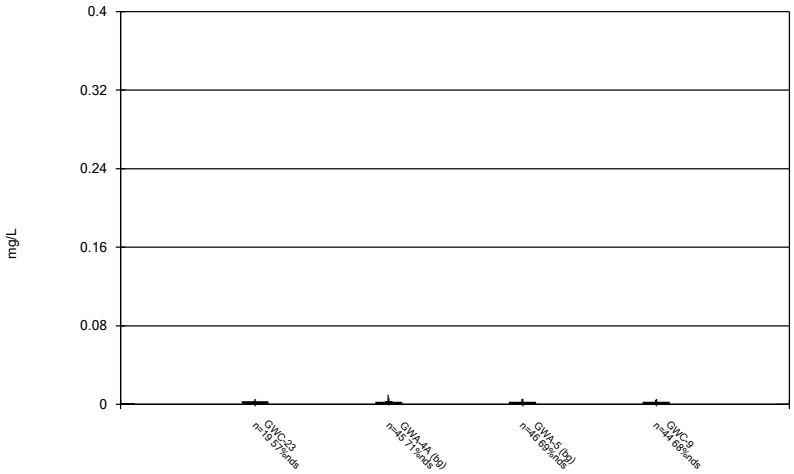
Box & Whiskers Plot



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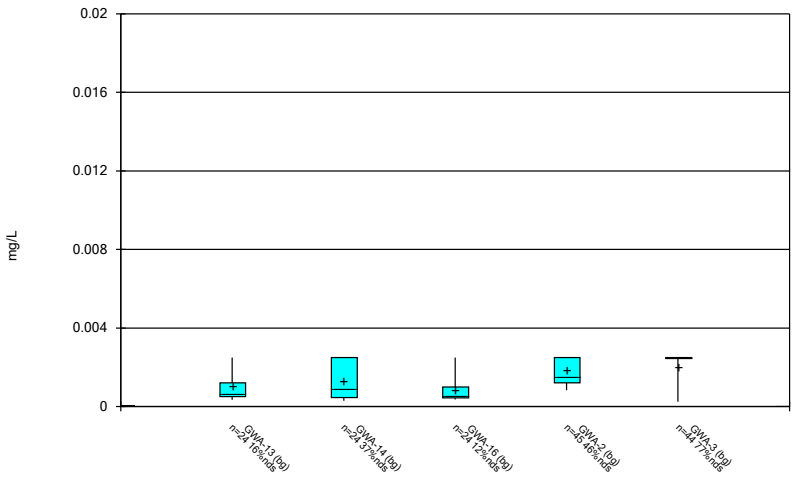
Box & Whiskers Plot



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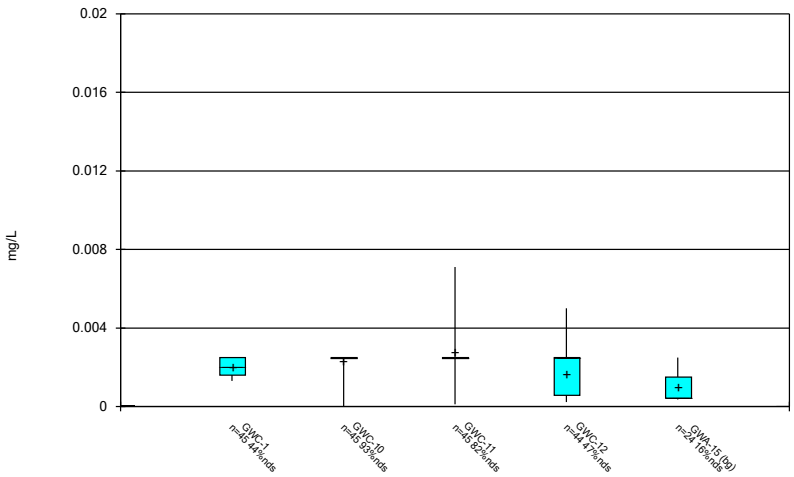
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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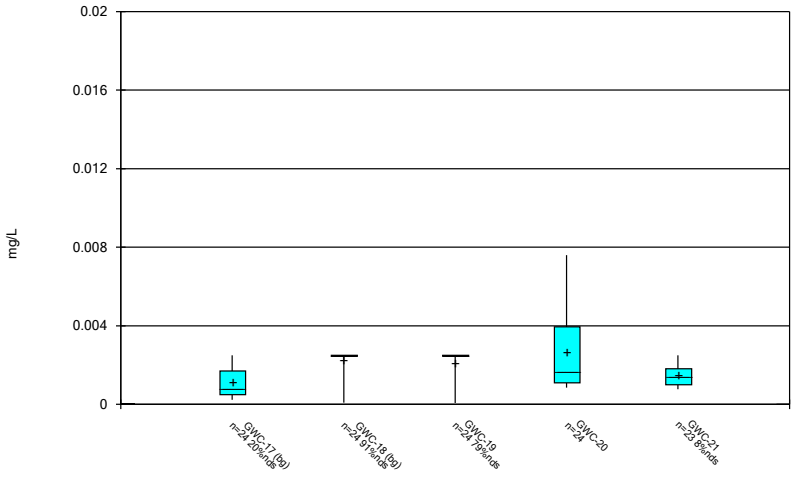
Box & Whiskers Plot



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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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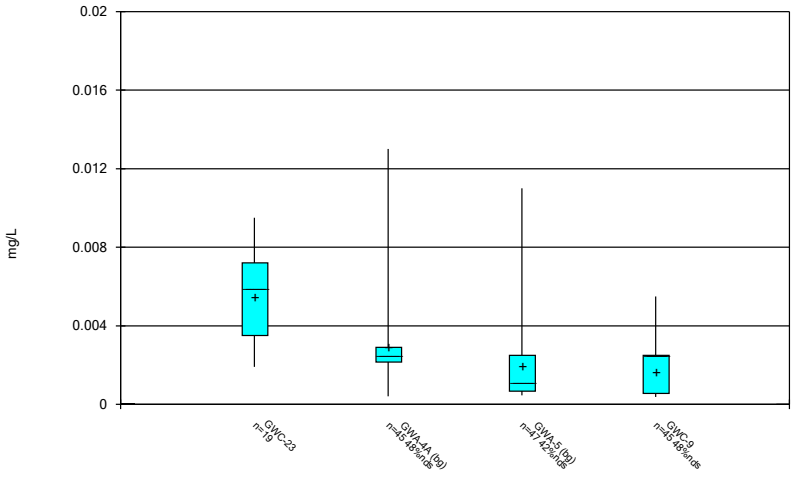
Box & Whiskers Plot



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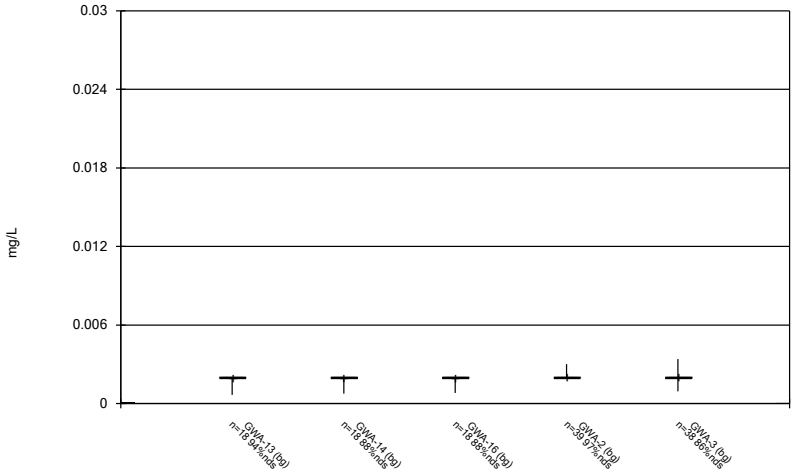
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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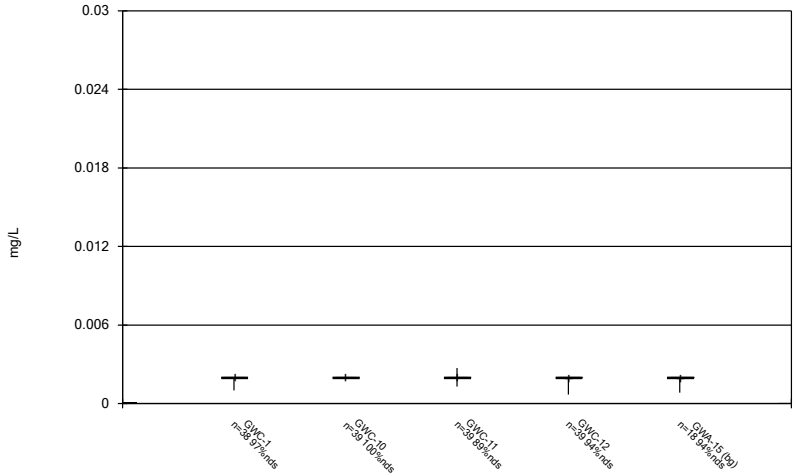
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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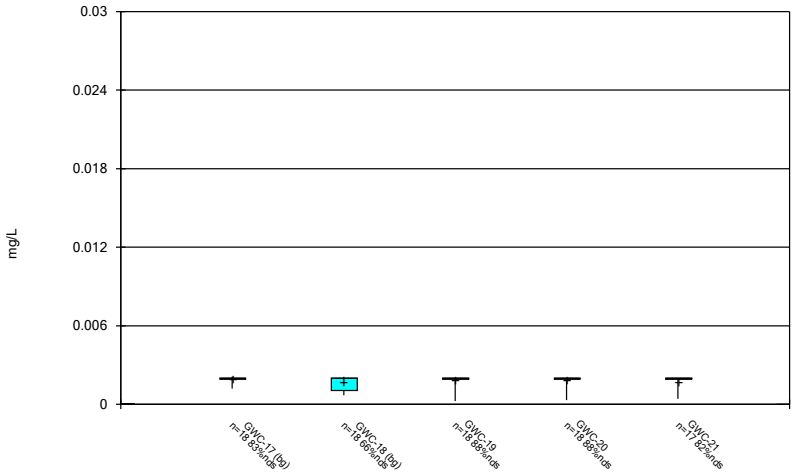
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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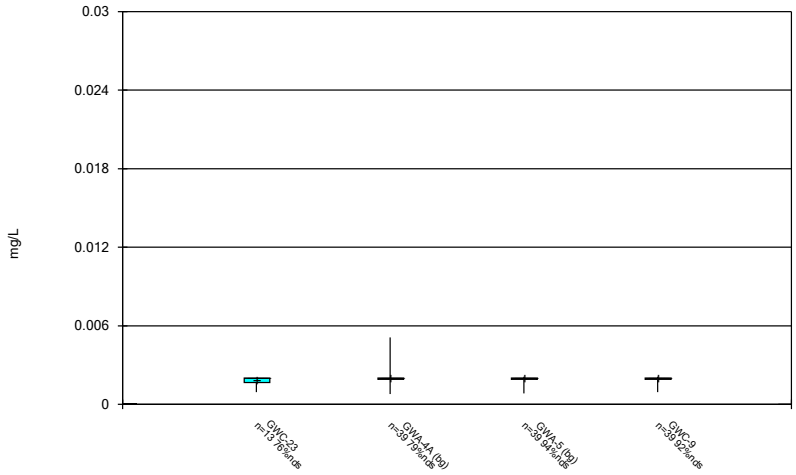
Box & Whiskers Plot



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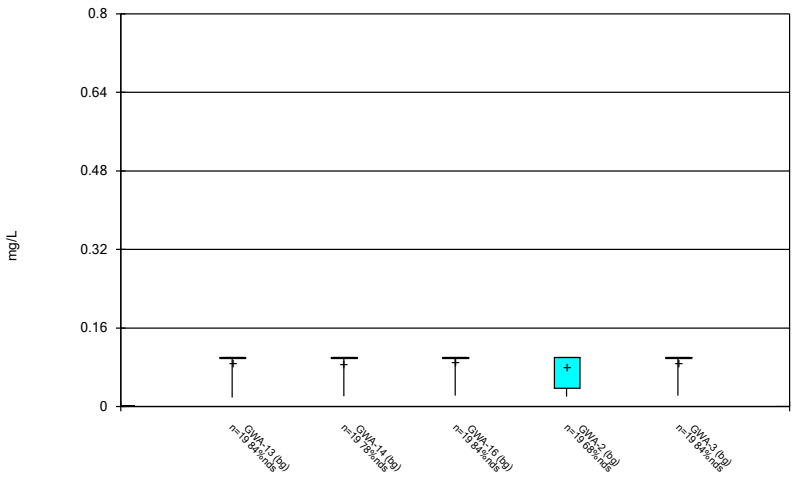
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



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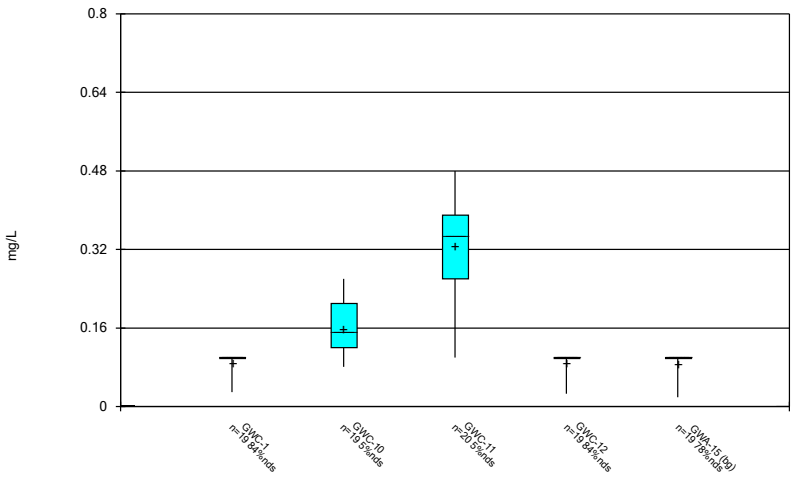
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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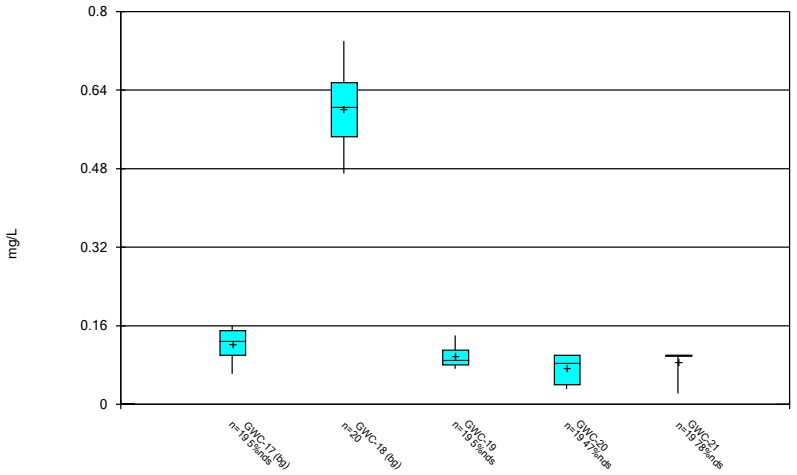
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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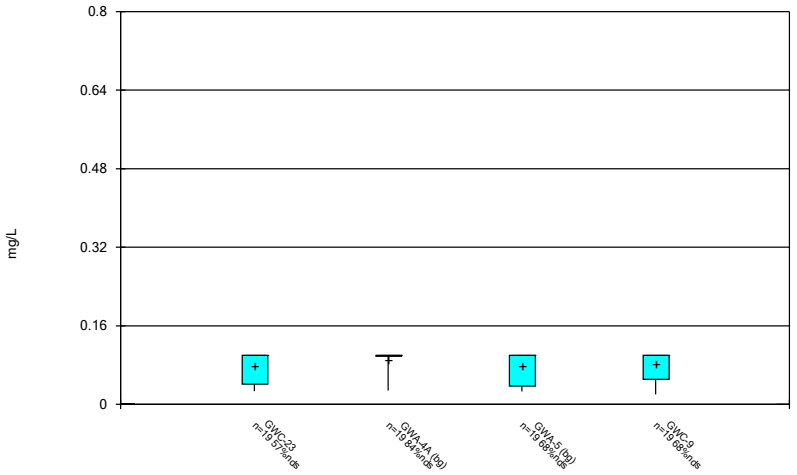
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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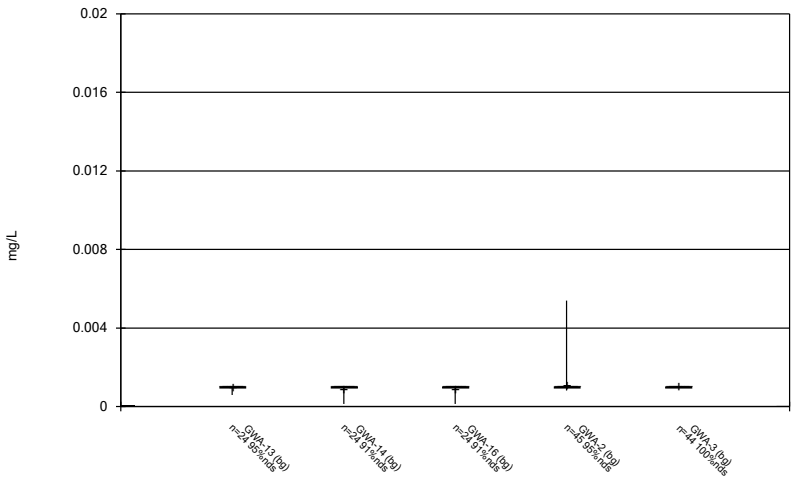
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



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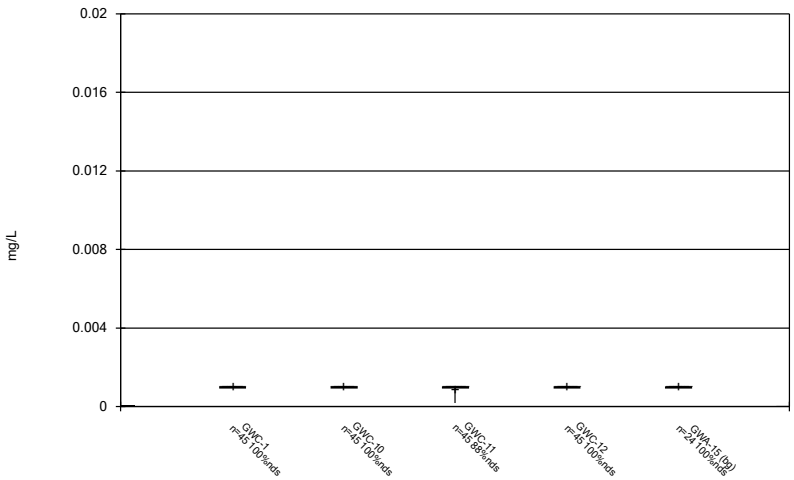
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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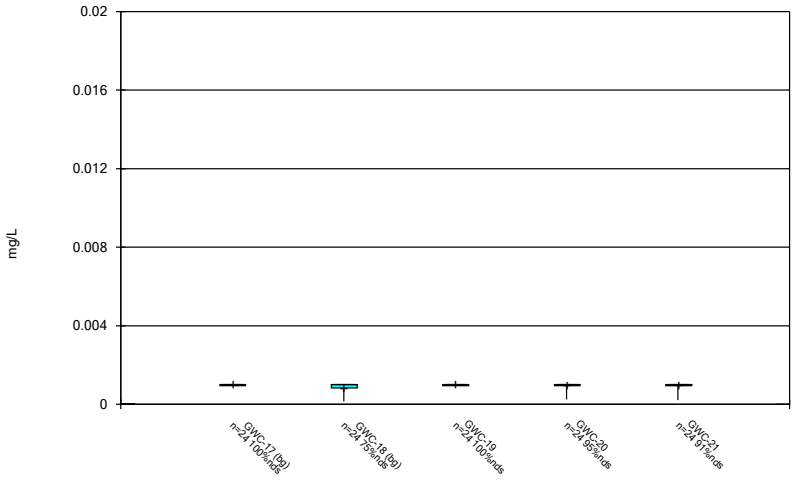
Box & Whiskers Plot



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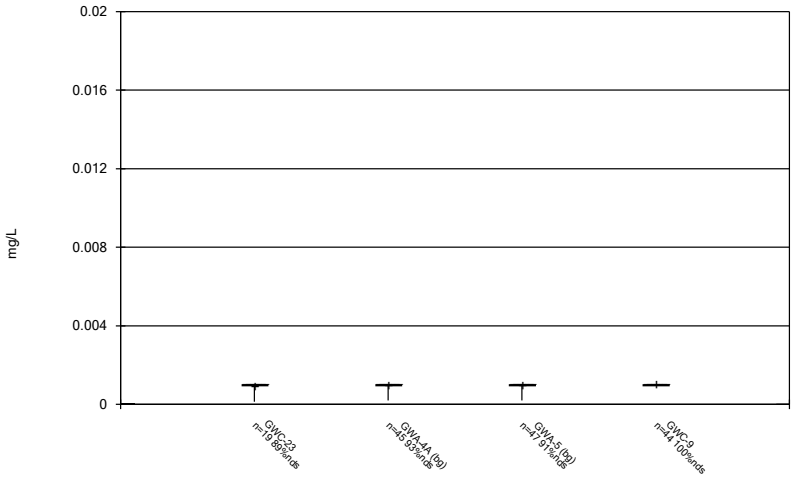
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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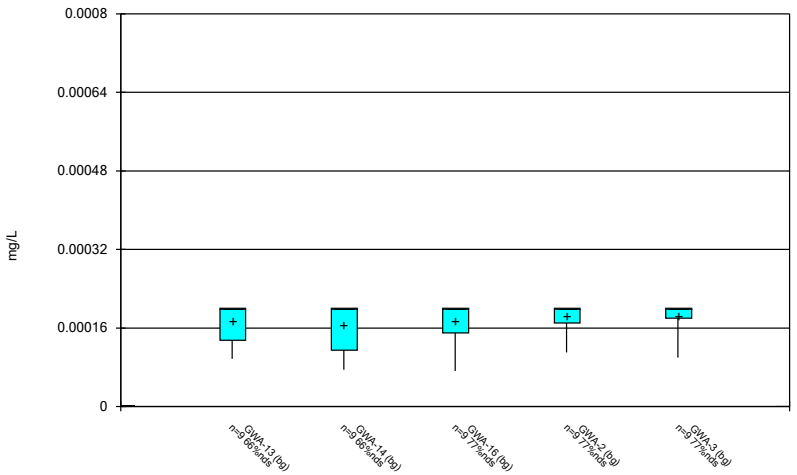
Box & Whiskers Plot

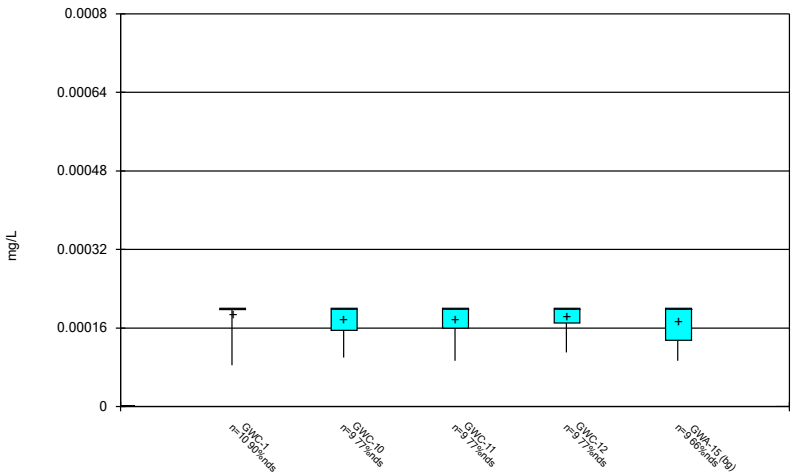


Constituent: Mercury Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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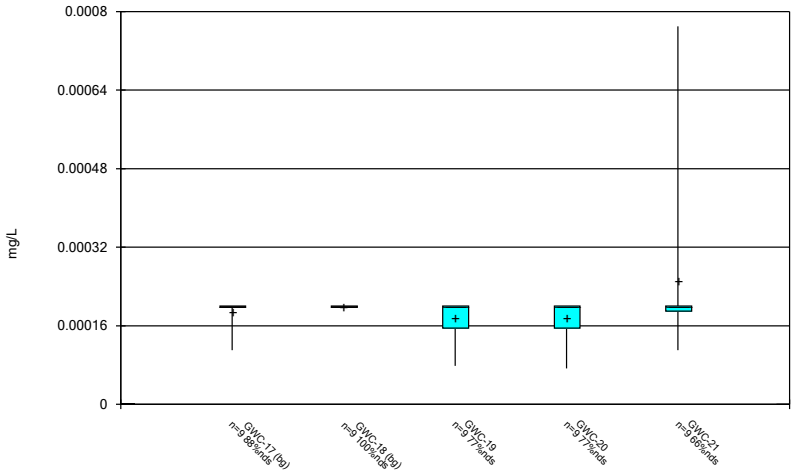
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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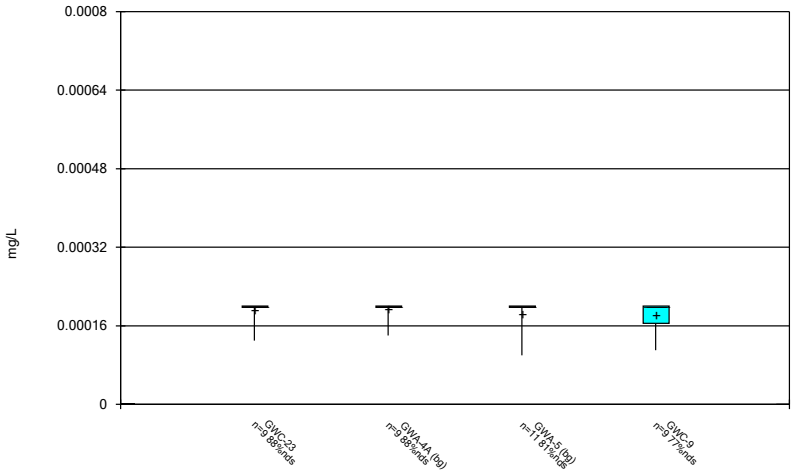
Box & Whiskers Plot



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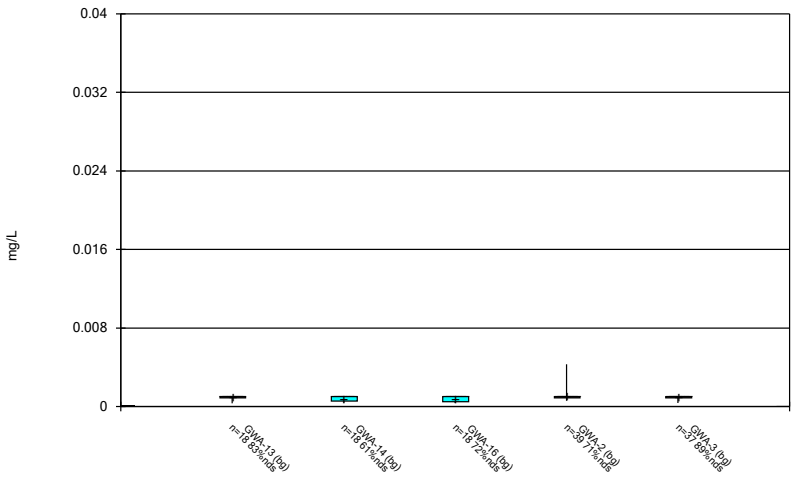
Box & Whiskers Plot



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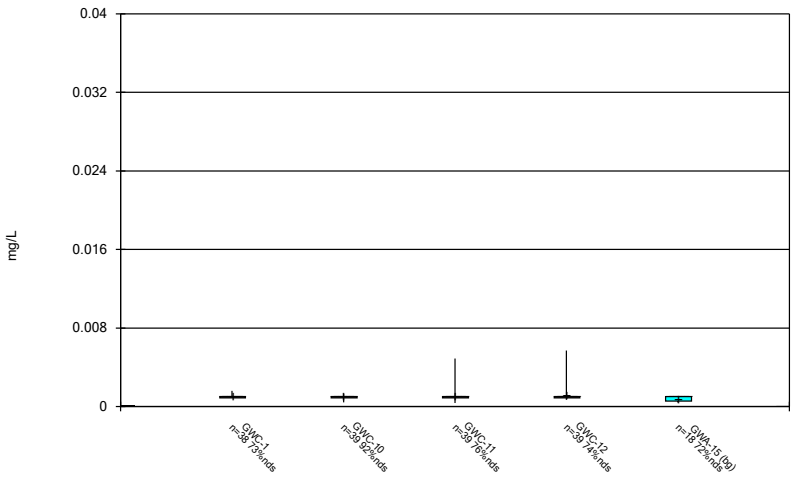
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

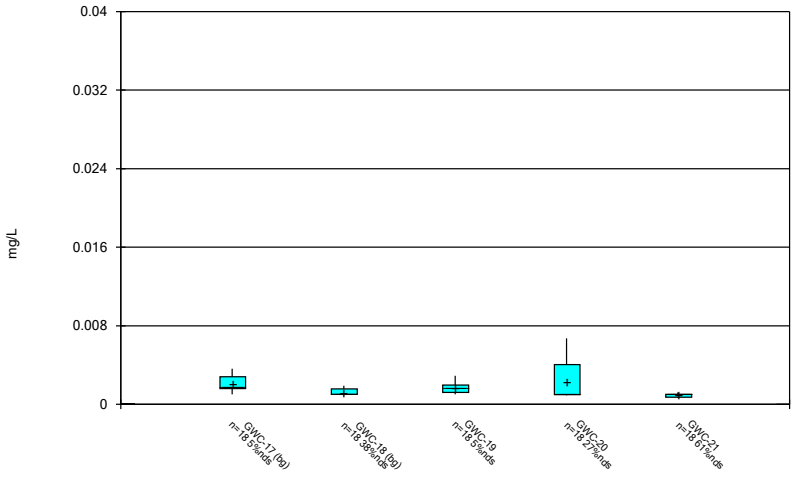


Constituent: Nickel Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

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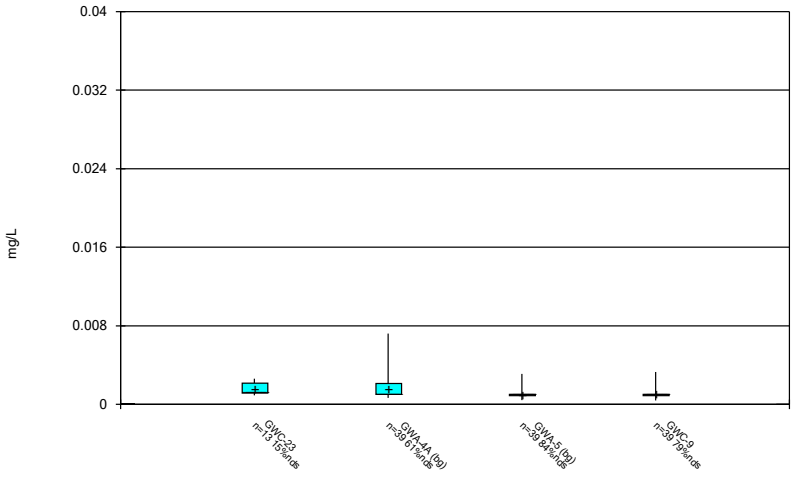

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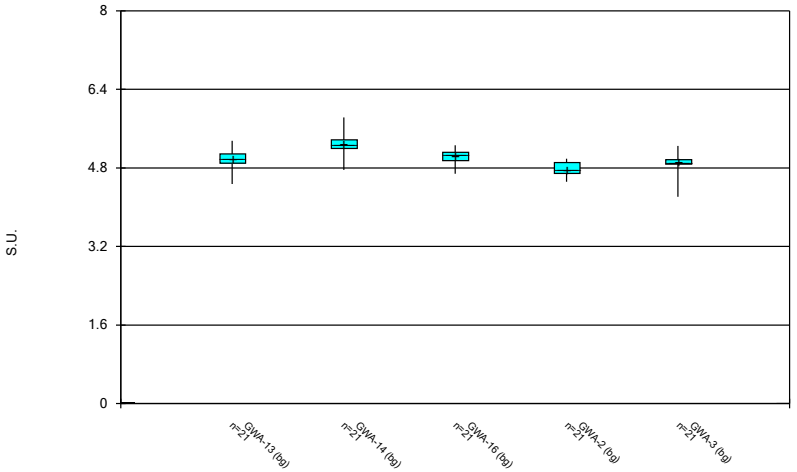
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

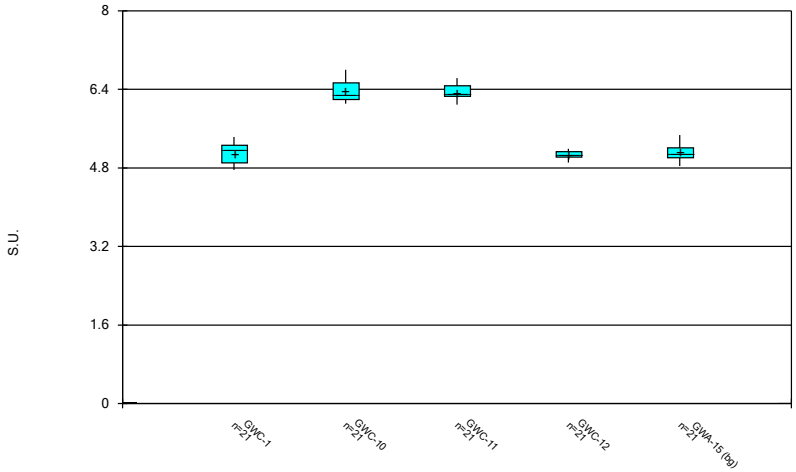


Constituent: pH Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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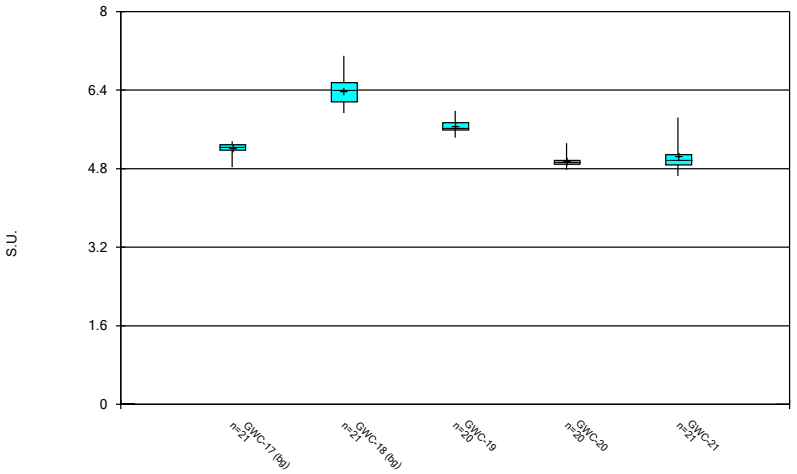
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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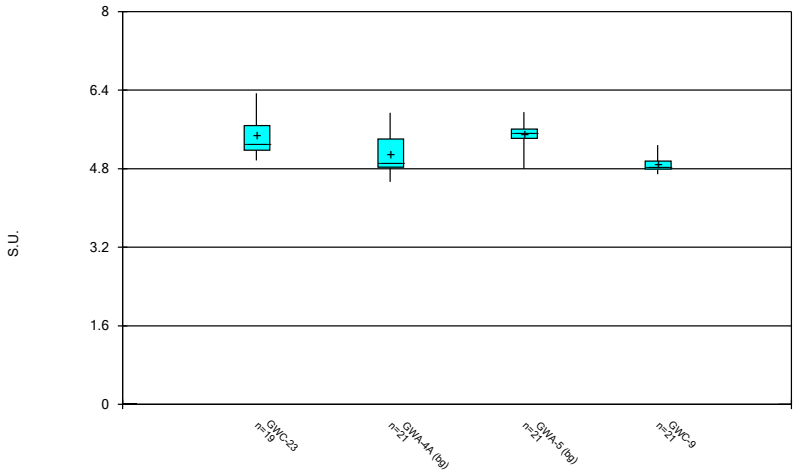
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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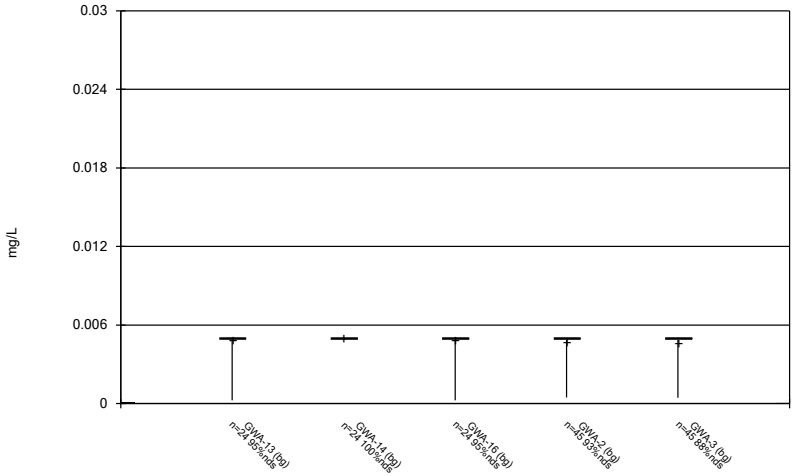
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

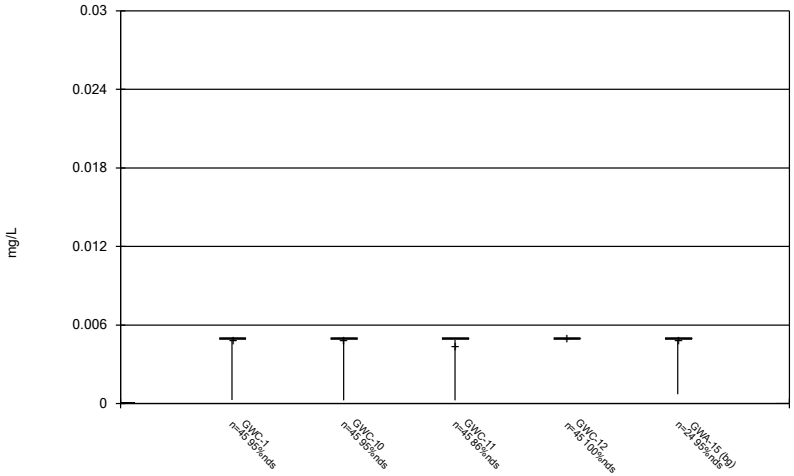


Constituent: Selenium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

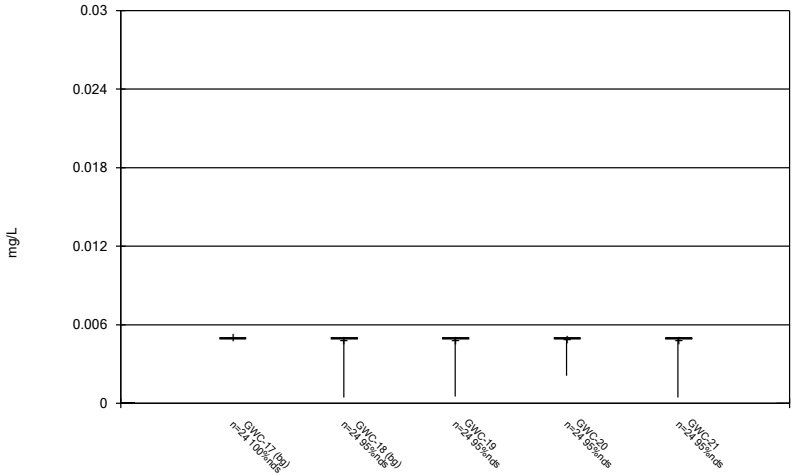


Constituent: Selenium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

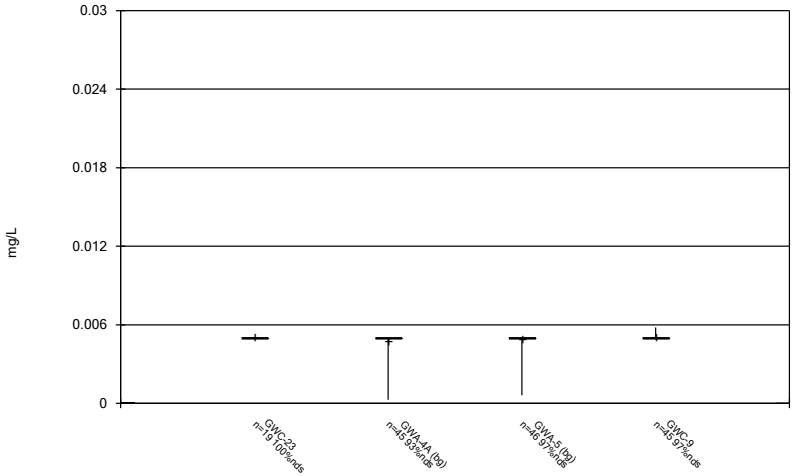


Constituent: Selenium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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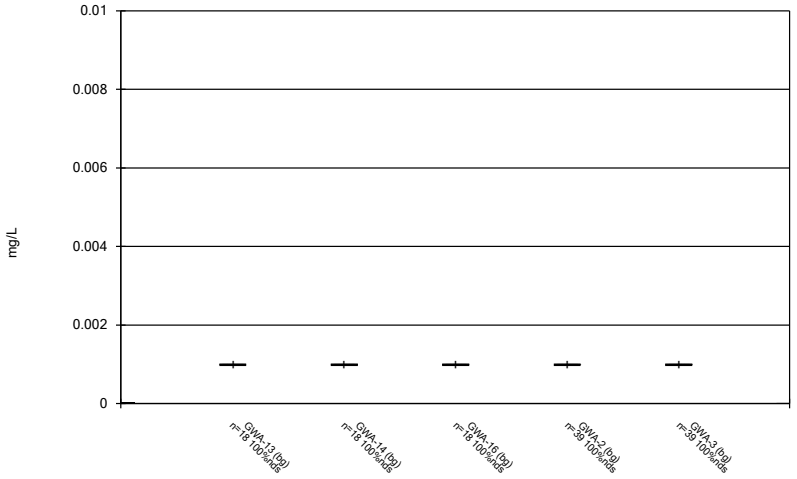
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

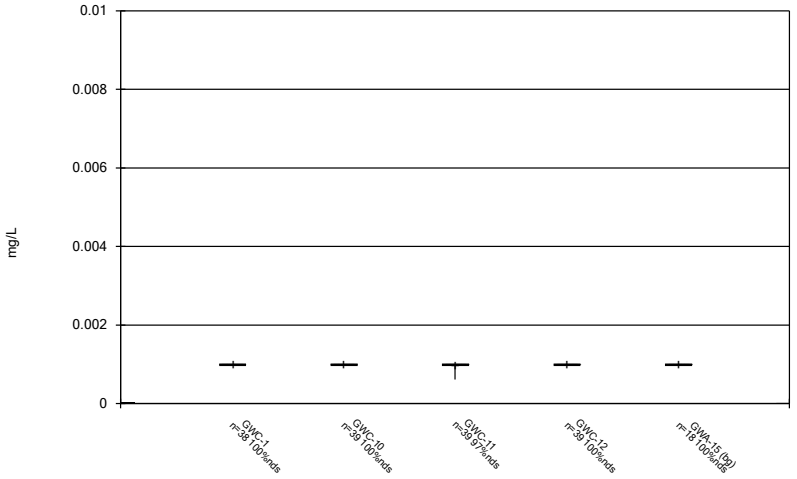


Constituent: Silver Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

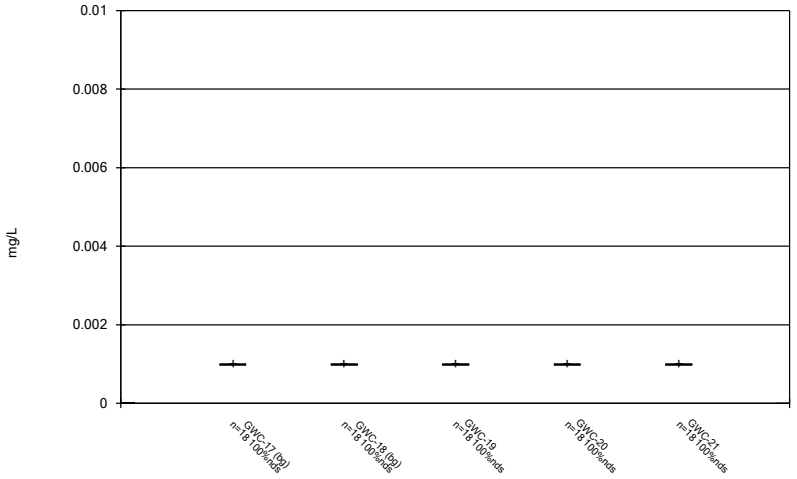


Constituent: Silver Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

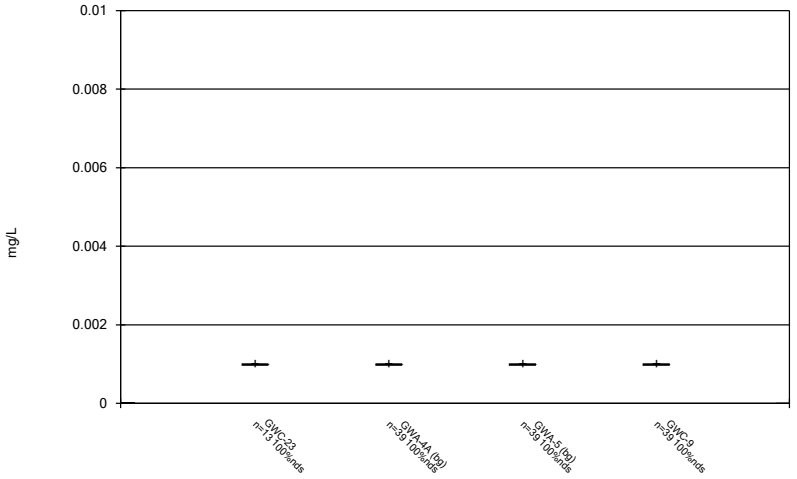


Constituent: Silver Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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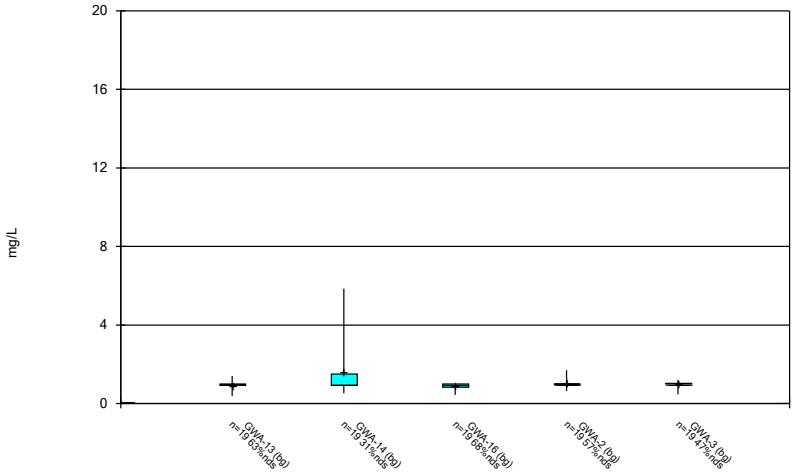
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

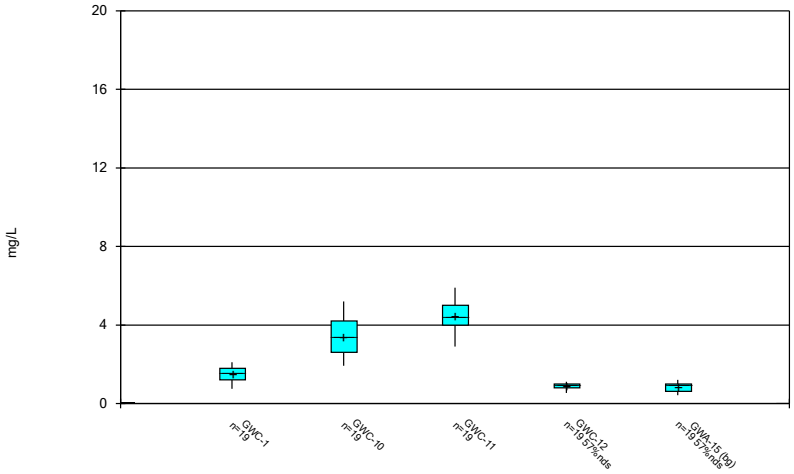


Constituent: Sulfate Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

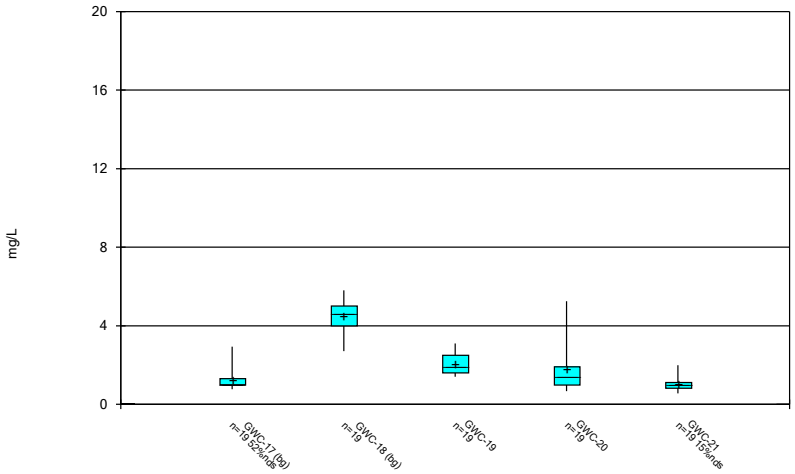


Constituent: Sulfate Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

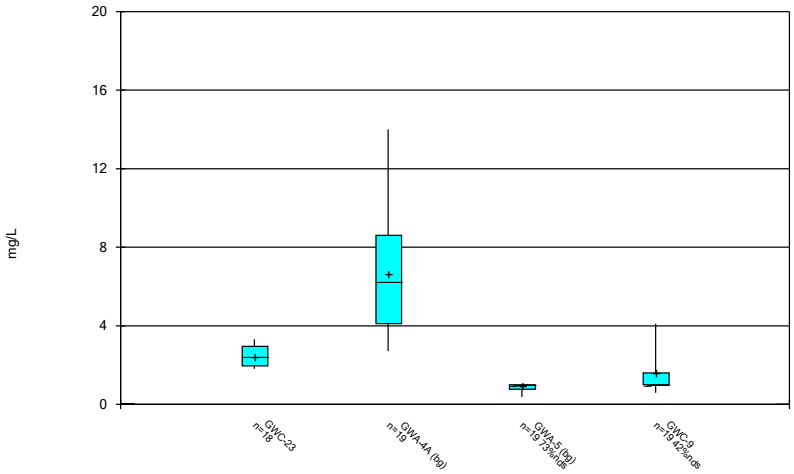


Constituent: Sulfate Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

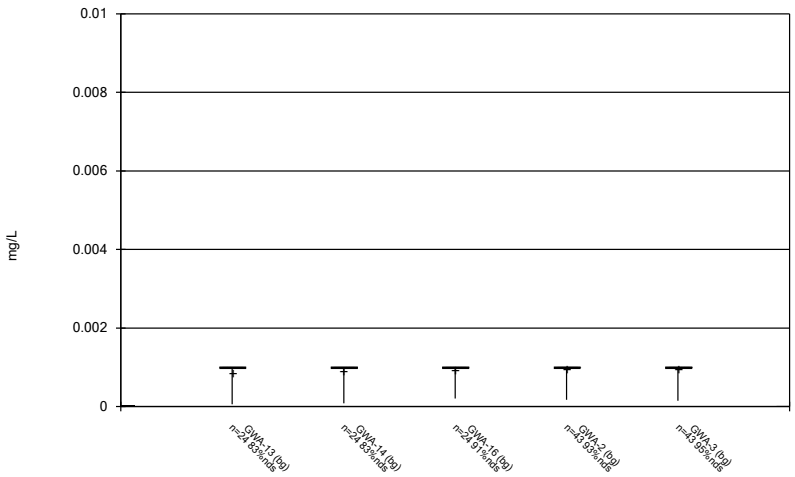
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

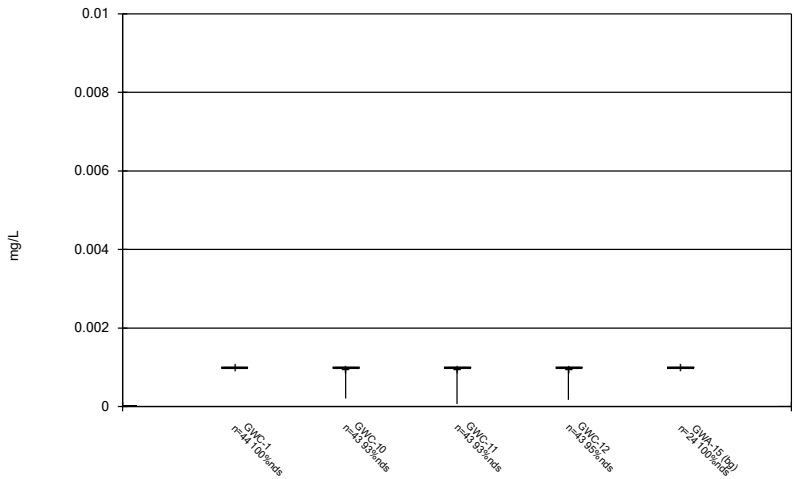


Constituent: Thallium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

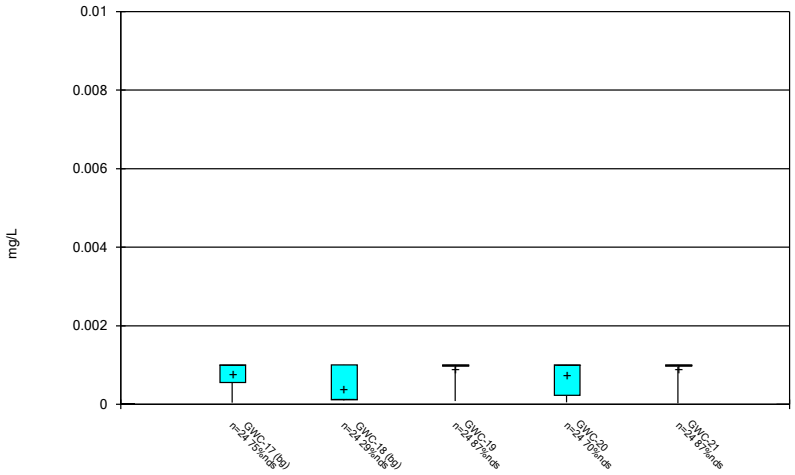


Constituent: Thallium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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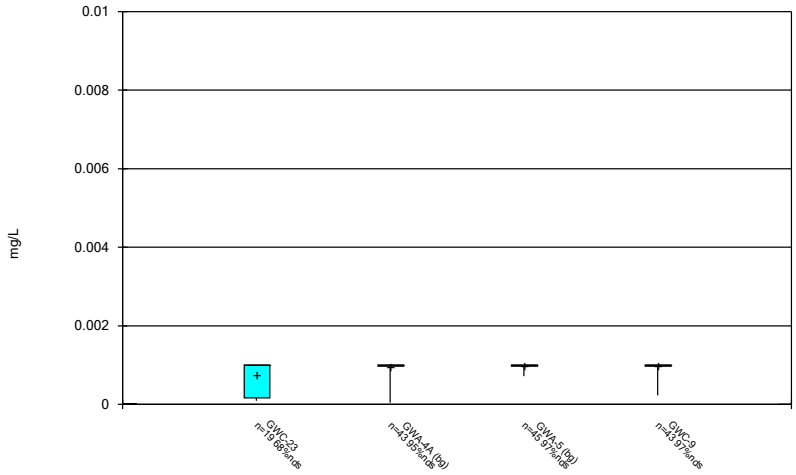
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

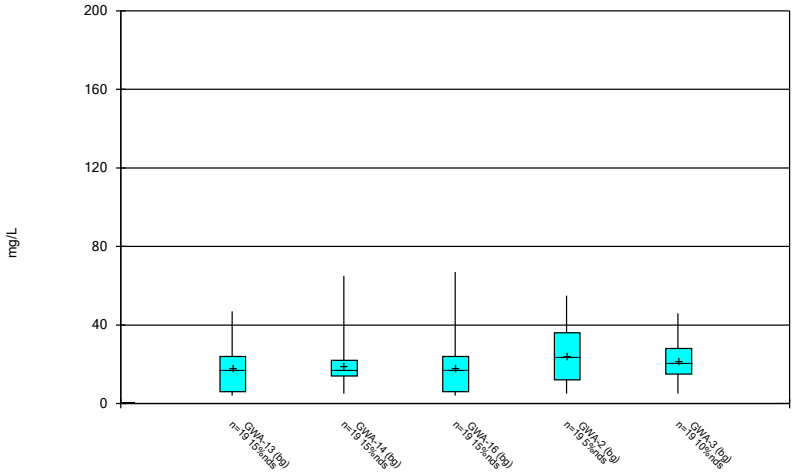
Box & Whiskers Plot



Constituent: Thallium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

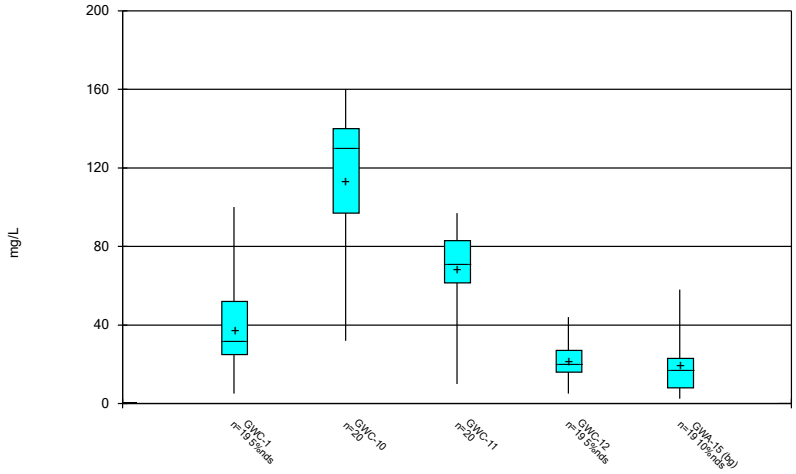
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:47 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

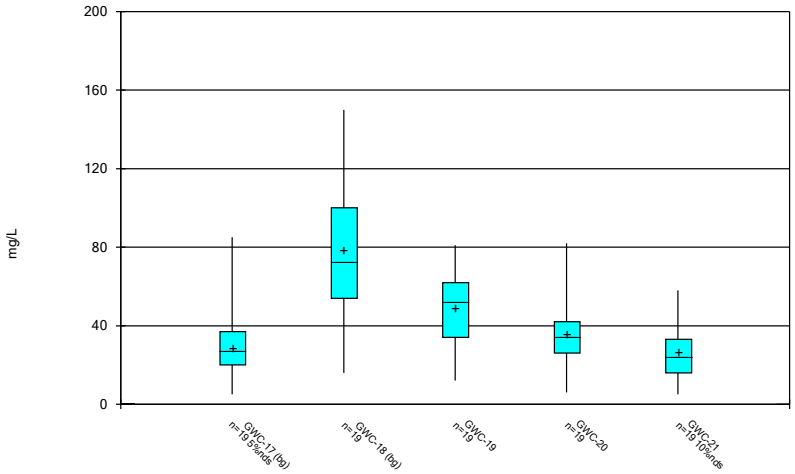
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:47 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

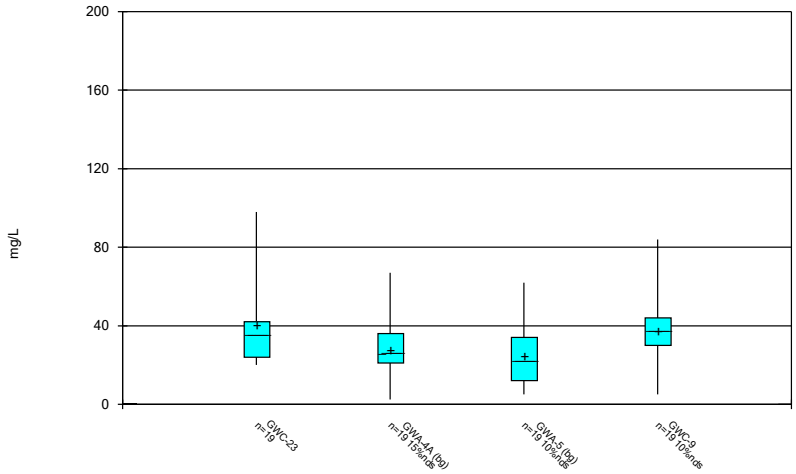
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:47 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

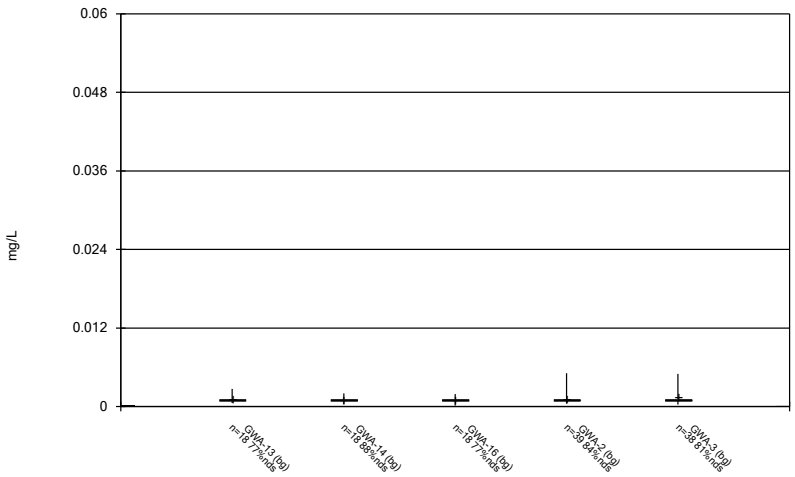
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:47 PM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

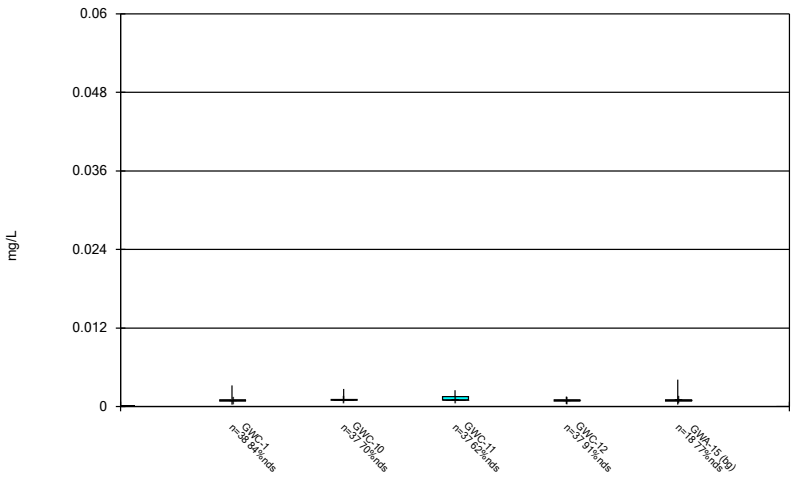


Constituent: Vanadium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

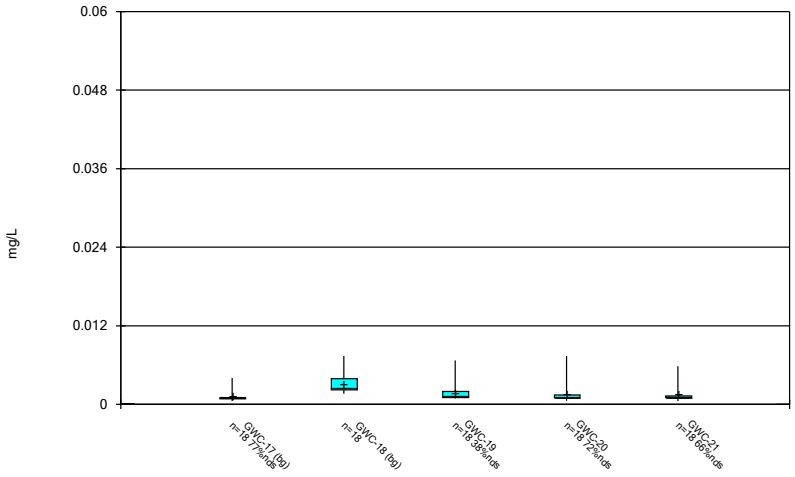


Constituent: Vanadium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

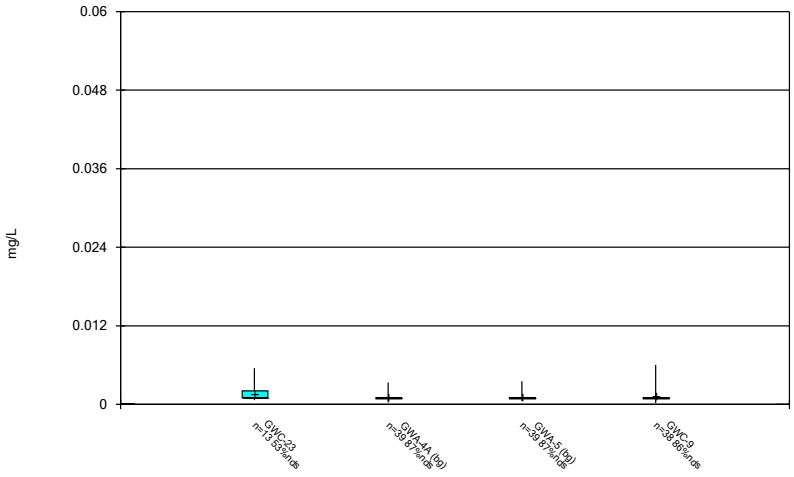


Constituent: Vanadium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

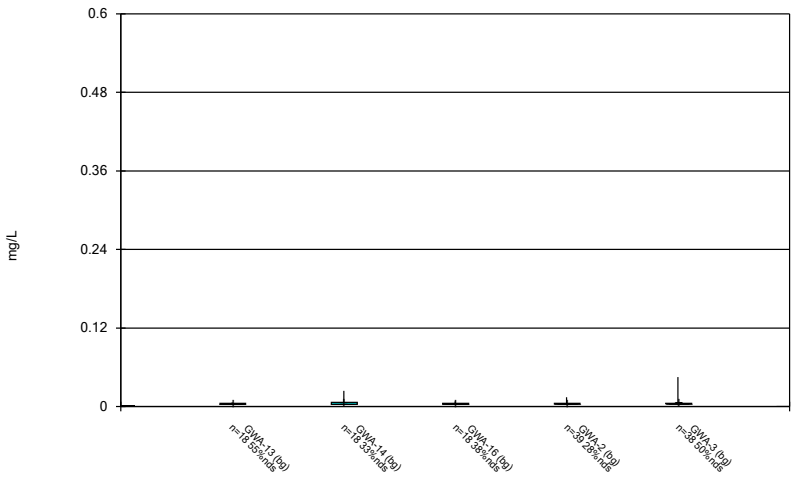
Box & Whiskers Plot



Constituent: Vanadium Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

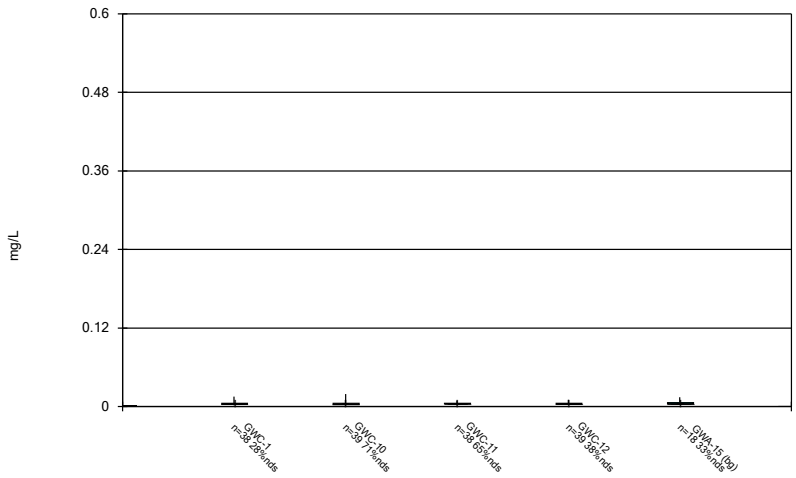


Constituent: Zinc Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

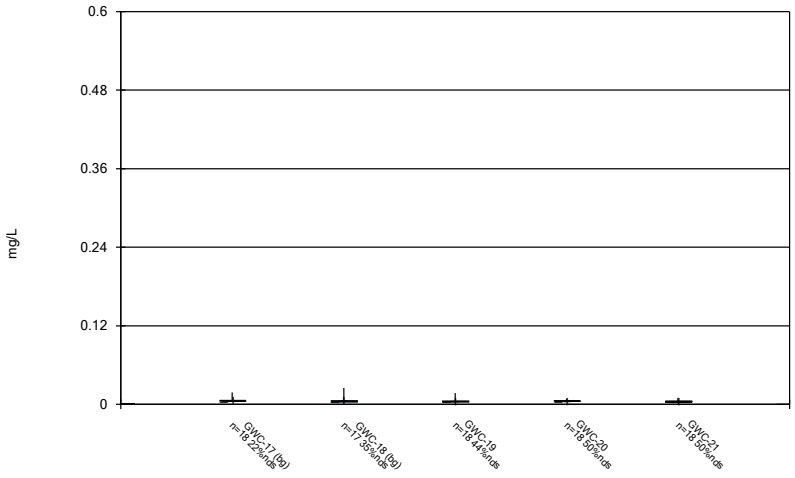


Constituent: Zinc Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot

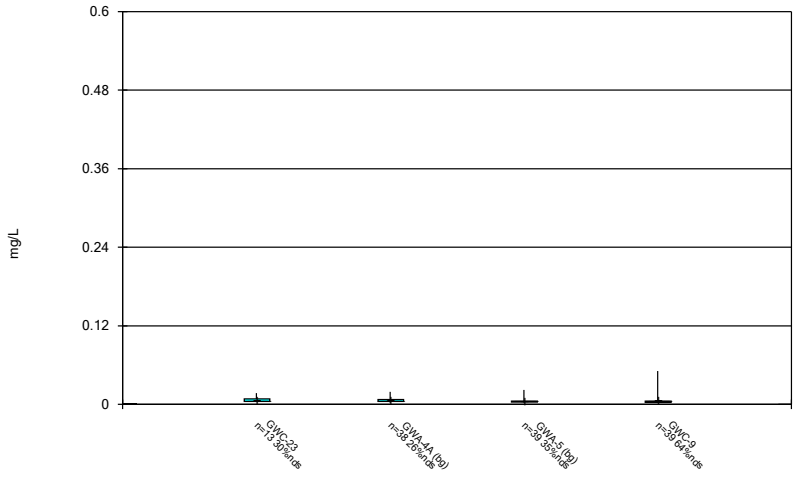


Constituent: Zinc Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Zinc Analysis Run 8/2/2022 3:47 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

FIGURE C.

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 3:51 PM

	GWA-3 Arsenic (mg/L)	GWA-3 Barium (mg/L)	GWC-11 Barium (mg/L)	GWA-5 Barium (mg/L)	GWC-17 Beryllium (mg/L)	GWA-5 Chloride (mg/L)	GWA-13 Chromium (mg/L)	GWA-2 Chromium (mg/L)	GWA-3 Chromium (mg/L)	GWC-1 Chromium (mg/L)	GWC-21 Chromium (mg/L)	GWA-5 Chromium (mg/L)
8/25/2004												0.22 (O)
9/11/2004												
12/7/2005												
7/6/2007		0.1 (O)										
6/20/2008												
12/7/2008		0.097 (O)	0.093 (O)						0.072 (O)			
1/5/2011	0.0089 (o)	0.21 (O)						0.077 (O)				
7/11/2012							0.0061 (O)					
1/19/2013												
1/14/2016												
4/20/2016					<0.003 (o)	<0.002 (o)						
6/16/2016												
9/27/2016										0.35 (o)		
1/12/2017												
1/13/2017												
1/24/2017				0.42 (o)								
1/30/2019												
3/27/2019												
9/15/2020					18 (o)							

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 3:51 PM

	GWC-9 Chromium (mg/L)	GWA-3 Cobalt (mg/L)	GWC-12 Cobalt (mg/L)	GWC-21 Cobalt (mg/L)	GWA-3 Copper (mg/L)	GWC-21 Copper (mg/L)	GWA-3 Lead (mg/L)	GWC-9 Lead (mg/L)	GWA-3 Nickel (mg/L)	GWA-5 Selenium (mg/L)	GWC-18 Sulfate (mg/L)	GWC-23 Sulfate (mg/L)
8/25/2004								0.0056 (o)				
9/11/2004									0.03 (O)			
12/7/2005												
7/6/2007												
6/20/2008												
12/7/2008												
1/5/2011		0.0066 (o)			0.014 (o)		0.014 (o)		0.025 (O)			
7/11/2012			0.012 (o)									
1/19/2013	0.0065 (o)											
1/14/2016						0.0064 (o)						
4/20/2016												
6/16/2016											9 (O)	9.2 (o)
9/27/2016				0.015 (o)								
1/12/2017												
1/13/2017												
1/24/2017										0.025 (o)		
1/30/2019												
3/27/2019												
9/15/2020												

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 3:51 PM

	GWA-3 Vanadium (mg/L)	GWC-10 Vanadium (mg/L)	GWC-11 Vanadium (mg/L)	GWC-12 Vanadium (mg/L)	GWC-9 Vanadium (mg/L)	GWA-3 Zinc (mg/L)	GWC-11 Zinc (mg/L)	GWC-18 Zinc (mg/L)	GWA-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									
9/27/2016									
1/12/2017		0.0087 (o)	0.01 (o)	0.0075 (o)					
1/13/2017					0.0091 (o)				
1/24/2017									
1/30/2019								0.5 (o)	
3/27/2019		0.0065 (o)		0.0078 (o)					
9/15/2020									

Tukey's Outlier Test - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:06 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	GWA-13 (bg)	Yes	0.03	NP	NaN	23	0.0161	0.003413	ln(x)	ShapiroWilk
Barium (mg/L)	GWA-3 (bg)	Yes	0.1,0.097,0.21	NP	NaN	44	0.0242	0.03388	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-11	Yes	0.093	NP	NaN	44	0.01523	0.01249	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWC-17 (bg)	Yes	0.003,0.001	NP	NaN	23	0.0007052	0.0005106	ln(x)	ShapiroWilk
Chromium (mg/L)	GWA-16 (bg)	Yes	0.024	NP	NaN	22	0.003096	0.004778	ln(x)	ShapiroWilk
Chromium (mg/L)	GWA-3 (bg)	Yes	0.077	NP	NaN	44	0.003697	0.01134	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-1	Yes	0.072,0.005,0.0011,0.0011,0.0049	NP	NaN	45	0.003742	0.01044	ln(x)	ShapiroWilk
Chromium (mg/L)	GWA-15 (bg)	Yes	0.0051	NP	NaN	22	0.002018	0.00089	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-23	Yes	0.00023,0.0017,0.004	NP	NaN	18	0.002385	0.0006866	normal	ShapiroWilk
Cobalt (mg/L)	GWC-21	Yes	0.015	NP	NaN	23	0.00208	0.002857	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWA-4A (bg)	Yes	0.013,0.0061,0.01,0.0077,0.0004,0.0046,0.001,0.00	NP	NaN	44	0.002973	0.002331	ln(x)	ShapiroWilk
Fluoride (mg/L)	GWA-15 (bg)	Yes	0.019	NP	NaN	18	0.08533	0.02874	x^(1/3)	ShapiroWilk
Nickel (mg/L)	GWC-1	Yes	0.00088,0.00099	NP	NaN	37	0.002194	0.0005567	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWA-2 (bg)	Yes	1.27,1.7,0.83,0.64,0.76	NP	NaN	18	1.006	0.2145	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-10	Yes	0.0019,0.0087,0.0027,0.0027,0.0065,0.0022	NP	NaN	38	0.001515	0.001541	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-11	Yes	0.0093,0.01	NP	NaN	38	0.002576	0.001765	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-20	Yes	0.0074,0.0034	NP	NaN	17	0.001661	0.001669	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-21	Yes	0.00048,0.0058,0.0029,0.0049	NP	NaN	17	0.001622	0.001496	ln(x)	ShapiroWilk
Zinc (mg/L)	GWA-3 (bg)	Yes	0.045,0.012,0.012,0.042,0.057,0.0085,0.0028,0.002	NP	NaN	38	0.008458	0.01206	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-11	Yes	0.041,0.0019,0.0022	NP	NaN	38	0.005484	0.006051	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-18 (bg)	Yes	0.5	NP	NaN	17	0.03509	0.1199	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-19	Yes	0.017	NP	NaN	17	0.005429	0.003655	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-20	Yes	0.0035,0.0084,0.0069,0.0073	NP	NaN	17	0.005335	0.001162	ln(x)	ShapiroWilk
Zinc (mg/L)	GWA-5 (bg)	Yes	0.022	NP	NaN	38	0.0053	0.003873	ln(x)	ShapiroWilk

Tukey's Outlier Test - All Results

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Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	23	0.001936	0.0003086	unknown	ShapiroWilk
Antimony (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	23	0.00193	0.0003357	unknown	ShapiroWilk
Antimony (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	23	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	44	0.001964	0.0002412	unknown	ShapiroWilk
Antimony (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	44	0.001978	0.0001826	unknown	ShapiroWilk
Antimony (mg/L)	GWC-1	n/a	n/a	NP	NaN	44	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-10	n/a	n/a	NP	NaN	44	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-11	n/a	n/a	NP	NaN	44	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-12	n/a	n/a	NP	NaN	44	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	23	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-17 (bg)	n/a	n/a	NP	NaN	23	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-18 (bg)	n/a	n/a	NP	NaN	23	0.001923	0.0003712	unknown	ShapiroWilk
Antimony (mg/L)	GWC-19	n/a	n/a	NP	NaN	23	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-20	n/a	n/a	NP	NaN	23	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-21	n/a	n/a	NP	NaN	23	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-23	n/a	n/a	NP	NaN	18	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	44	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	46	0.002	0	unknown	ShapiroWilk
Antimony (mg/L)	GWC-9	n/a	n/a	NP	NaN	44	0.002	0	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	23	0.0009896	0.00005004	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	23	0.0009752	0.0001189	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	23	0.0009722	0.0001334	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	44	0.001	0	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	44	0.001166	0.001196	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-1	n/a	n/a	NP	NaN	44	0.0009864	0.00009045	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-10	n/a	n/a	NP	NaN	44	0.001167	0.0002933	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-11	No	n/a	NP	NaN	44	0.00346	0.001878	ln(x)	ShapiroWilk
Arsenic (mg/L)	GWC-12	n/a	n/a	NP	NaN	44	0.0009675	0.0001356	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	23	0.0009409	0.0001685	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-17 (bg)	n/a	n/a	NP	NaN	23	0.0009117	0.0002345	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-18 (bg)	No	n/a	NP	NaN	23	0.00101	0.000339	x^(1/3)	ShapiroWilk
Arsenic (mg/L)	GWC-19	n/a	n/a	NP	NaN	23	0.0009348	0.0001838	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-20	n/a	n/a	NP	NaN	23	0.0009243	0.0002148	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-21	n/a	n/a	NP	NaN	23	0.001038	0.0003644	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-23	No	n/a	NP	NaN	18	0.000965	0.0003461	ln(x)	ShapiroWilk
Arsenic (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	44	0.00108	0.0004412	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	46	0.001002	0.000306	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-9	n/a	n/a	NP	NaN	44	0.0009709	0.0001133	unknown	ShapiroWilk
Barium (mg/L)	**GWA-13 (bg)**	**Yes**	**0.03**	**NP**	**NaN**	**23**	**0.0161**	**0.003413**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	GWA-14 (bg)	No	n/a	NP	NaN	23	0.01349	0.002647	ln(x)	ShapiroWilk
Barium (mg/L)	GWA-16 (bg)	No	n/a	NP	NaN	23	0.02491	0.003859	ln(x)	ShapiroWilk
Barium (mg/L)	GWA-2 (bg)	No	n/a	NP	NaN	44	0.02576	0.008219	x^2	ShapiroWilk
Barium (mg/L)	**GWA-3 (bg)**	**Yes**	**0.1,0.097,0.21**	**NP**	**NaN**	**44**	**0.0242**	**0.03388**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	GWC-1	No	n/a	NP	NaN	44	0.03337	0.01159	normal	ShapiroWilk
Barium (mg/L)	GWC-10	No	n/a	NP	NaN	44	0.02345	0.007778	ln(x)	ShapiroWilk
Barium (mg/L)	**GWC-11**	**Yes**	**0.093**	**NP**	**NaN**	**44**	**0.01523**	**0.01249**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	GWC-12	No	n/a	NP	NaN	44	0.01176	0.001781	ln(x)	ShapiroWilk
Barium (mg/L)	GWA-15 (bg)	No	n/a	NP	NaN	23	0.02488	0.002035	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	23	0.01812	0.0016	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-18 (bg)	No	n/a	NP	NaN	23	0.02512	0.0135	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-19	No	n/a	NP	NaN	23	0.02084	0.01364	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-20	No	n/a	NP	NaN	23	0.02524	0.009053	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-21	No	n/a	NP	NaN	23	0.01859	0.004019	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-23	No	n/a	NP	NaN	18	0.04189	0.0179	ln(x)	ShapiroWilk
Barium (mg/L)	GWA-4A (bg)	No	n/a	NP	NaN	44	0.02332	0.007101	sqrt(x)	ShapiroWilk

Tukey's Outlier Test - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:06 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	GWA-5 (bg)	No	n/a	NP	NaN	46	0.04096	0.05907	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-9	No	n/a	NP	NaN	44	0.02483	0.005288	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	22	0.002208	0.0007622	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	23	0.002295	0.0006786	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	23	0.002303	0.0006536	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	44	0.002176	0.0008243	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	44	0.002428	0.0003844	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-1	n/a	n/a	NP	NaN	44	0.002022	0.0009532	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-10	n/a	n/a	NP	NaN	44	0.002342	0.0005918	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-11	n/a	n/a	NP	NaN	44	0.002402	0.0004528	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-12	n/a	n/a	NP	NaN	44	0.002082	0.0008984	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	23	0.002393	0.0005134	unknown	ShapiroWilk
Beryllium (mg/L)	**GWC-17 (bg)**	**Yes**	**0.003,0.001**	**NP**	**NaN**	**23**	**0.0007052**	**0.0005106**	**ln(x)**	**ShapiroWilk**
Beryllium (mg/L)	GWC-18 (bg)	n/a	n/a	NP	NaN	23	0.002403	0.0004671	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-19	No	n/a	NP	NaN	23	0.0015	0.001169	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWC-20	No	n/a	NP	NaN	23	0.001551	0.001108	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWC-21	n/a	n/a	NP	NaN	23	0.002334	0.0005505	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-23	n/a	n/a	NP	NaN	18	0.002247	0.0007374	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	44	0.002293	0.0006651	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	46	0.002365	0.0005317	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-9	n/a	n/a	NP	NaN	44	0.002287	0.0006818	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	23	0.002341	0.0005348	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	23	0.002301	0.000661	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	23	0.002398	0.00049	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	44	0.0025	0	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	44	0.0025	0	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-1	n/a	n/a	NP	NaN	44	0.0025	0	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-10	n/a	n/a	NP	NaN	44	0.0025	0	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-11	n/a	n/a	NP	NaN	44	0.0025	0	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-12	n/a	n/a	NP	NaN	44	0.0025	0	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	23	0.0025	0	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	23	0.0005767	0.00009507	normal	ShapiroWilk
Cadmium (mg/L)	GWC-18 (bg)	n/a	n/a	NP	NaN	23	0.002395	0.0005036	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-19	n/a	n/a	NP	NaN	23	0.002103	0.0008859	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-20	No	n/a	NP	NaN	23	0.001696	0.001033	ln(x)	ShapiroWilk
Cadmium (mg/L)	GWC-21	n/a	n/a	NP	NaN	23	0.002116	0.0008598	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-23	n/a	n/a	NP	NaN	18	0.002241	0.0007551	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	44	0.002339	0.0006009	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	46	0.0025	0	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-9	n/a	n/a	NP	NaN	44	0.0025	0	unknown	ShapiroWilk
Chromium (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	22	0.002618	0.001814	unknown	ShapiroWilk
Chromium (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	22	0.002162	0.0007564	unknown	ShapiroWilk
Chromium (mg/L)	**GWA-16 (bg)**	**Yes**	**0.024**	**NP**	**NaN**	**22**	**0.003096**	**0.004778**	**ln(x)**	**ShapiroWilk**
Chromium (mg/L)	GWA-2 (bg)	No	n/a	NP	NaN	44	0.002143	0.0009062	ln(x)	ShapiroWilk
Chromium (mg/L)	**GWA-3 (bg)**	**Yes**	**0.077**	**NP**	**NaN**	**44**	**0.003697**	**0.01134**	**ln(x)**	**ShapiroWilk**
Chromium (mg/L)	**GWC-1**	**Yes**	**0.072,0.005,0.0011,0.0011,0.0049**	**NP**	**NaN**	**45**	**0.003742**	**0.01044**	**ln(x)**	**ShapiroWilk**
Chromium (mg/L)	GWC-10	No	n/a	NP	NaN	44	0.003883	0.002351	sqrt(x)	ShapiroWilk
Chromium (mg/L)	GWC-11	No	n/a	NP	NaN	44	0.005738	0.002105	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-12	No	n/a	NP	NaN	44	0.003964	0.003174	ln(x)	ShapiroWilk
Chromium (mg/L)	**GWA-15 (bg)**	**Yes**	**0.0051**	**NP**	**NaN**	**22**	**0.002018**	**0.00089**	**ln(x)**	**ShapiroWilk**
Chromium (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	22	0.004618	0.003211	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-18 (bg)	No	n/a	NP	NaN	22	0.00263	0.001245	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-19	No	n/a	NP	NaN	22	0.002059	0.001044	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-20	n/a	n/a	NP	NaN	22	0.002136	0.0007569	unknown	ShapiroWilk
Chromium (mg/L)	GWC-21	n/a	n/a	NP	NaN	22	0.01787	0.07418	unknown	ShapiroWilk

Tukey's Outlier Test - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:06 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chromium (mg/L)	**GWC-23**	**Yes**	**0.00023,0.0017,0.004**	**NP**	**NaN**	**18**	**0.002385**	**0.0006866**	**normal**	**ShapiroWilk**
Chromium (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	44	0.002545	0.001667	unknown	ShapiroWilk
Chromium (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	46	0.006937	0.03212	unknown	ShapiroWilk
Chromium (mg/L)	GWC-9	n/a	n/a	NP	NaN	44	0.0022	0.0008923	unknown	ShapiroWilk
Cobalt (mg/L)	GWA-13 (bg)	No	n/a	NP	NaN	23	0.001038	0.0007463	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWA-14 (bg)	No	n/a	NP	NaN	23	0.001341	0.0009709	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWA-16 (bg)	No	n/a	NP	NaN	23	0.0008757	0.0006904	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWA-2 (bg)	No	n/a	NP	NaN	44	0.005416	0.004433	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	44	0.00216	0.0011	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-1	No	n/a	NP	NaN	44	0.002048	0.0004469	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-10	n/a	n/a	NP	NaN	44	0.002346	0.0005811	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-11	n/a	n/a	NP	NaN	44	0.00277	0.001275	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-12	No	n/a	NP	NaN	44	0.001937	0.001915	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWA-15 (bg)	No	n/a	NP	NaN	23	0.0009961	0.0008089	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	23	0.001075	0.0007981	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-18 (bg)	n/a	n/a	NP	NaN	23	0.002294	0.0006841	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-19	n/a	n/a	NP	NaN	23	0.002059	0.0008702	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-20	No	n/a	NP	NaN	23	0.002761	0.002189	ln(x)	ShapiroWilk
Cobalt (mg/L)	**GWC-21**	**Yes**	**0.015**	**NP**	**NaN**	**23**	**0.00208**	**0.002857**	**ln(x)**	**ShapiroWilk**
Cobalt (mg/L)	GWC-23	No	n/a	NP	NaN	18	0.005633	0.002013	normal	ShapiroWilk
Cobalt (mg/L)	**GWA-4A (bg)**	**Yes**	**0.013,0.0061,0.01,0.0077,0.0004,0.0046,0.001,0.00**	**NP**	**NaN**	**44**	**0.002973**	**0.002331**	**ln(x)**	**ShapiroWilk**
Cobalt (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	46	0.005282	0.004671	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-9	No	n/a	NP	NaN	44	0.001673	0.001117	ln(x)	ShapiroWilk
Copper (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	17	0.001921	0.000325	unknown	ShapiroWilk
Copper (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	17	0.001892	0.0003258	unknown	ShapiroWilk
Copper (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	17	0.001871	0.0003652	unknown	ShapiroWilk
Copper (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	38	0.002026	0.0001622	unknown	ShapiroWilk
Copper (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	38	0.002336	0.00198	unknown	ShapiroWilk
Copper (mg/L)	GWC-1	n/a	n/a	NP	NaN	37	0.001973	0.0001644	unknown	ShapiroWilk
Copper (mg/L)	GWC-10	n/a	n/a	NP	NaN	38	0.002	0	unknown	ShapiroWilk
Copper (mg/L)	GWC-11	n/a	n/a	NP	NaN	38	0.001982	0.0001901	unknown	ShapiroWilk
Copper (mg/L)	GWC-12	n/a	n/a	NP	NaN	38	0.001938	0.0002677	unknown	ShapiroWilk
Copper (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	17	0.001932	0.0002813	unknown	ShapiroWilk
Copper (mg/L)	GWC-17 (bg)	n/a	n/a	NP	NaN	17	0.001947	0.0002004	unknown	ShapiroWilk
Copper (mg/L)	GWC-18 (bg)	n/a	n/a	NP	NaN	17	0.00169	0.0005149	unknown	ShapiroWilk
Copper (mg/L)	GWC-19	n/a	n/a	NP	NaN	17	0.001829	0.0004951	unknown	ShapiroWilk
Copper (mg/L)	GWC-20	n/a	n/a	NP	NaN	17	0.001854	0.0004402	unknown	ShapiroWilk
Copper (mg/L)	GWC-21	n/a	n/a	NP	NaN	17	0.002018	0.001251	unknown	ShapiroWilk
Copper (mg/L)	GWC-23	No	n/a	NP	NaN	12	0.001777	0.0004121	ln(x)	ShapiroWilk
Copper (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	38	0.002407	0.0006306	unknown	ShapiroWilk
Copper (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	38	0.001972	0.0001893	unknown	ShapiroWilk
Copper (mg/L)	GWC-9	n/a	n/a	NP	NaN	38	0.001974	0.0001764	unknown	ShapiroWilk
Fluoride (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	18	0.08878	0.02627	unknown	ShapiroWilk
Fluoride (mg/L)	GWA-14 (bg)	No	n/a	NP	NaN	18	0.08589	0.02766	x^(1/3)	ShapiroWilk
Fluoride (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	18	0.0905	0.0236	unknown	ShapiroWilk
Fluoride (mg/L)	GWA-2 (bg)	No	n/a	NP	NaN	18	0.079	0.03217	ln(x)	ShapiroWilk
Fluoride (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	18	0.08878	0.02607	unknown	ShapiroWilk
Fluoride (mg/L)	GWC-1	n/a	n/a	NP	NaN	18	0.08917	0.025	unknown	ShapiroWilk
Fluoride (mg/L)	GWC-10	No	n/a	NP	NaN	18	0.1688	0.05407	sqrt(x)	ShapiroWilk
Fluoride (mg/L)	GWC-11	No	n/a	NP	NaN	19	0.3396	0.0765	normal	ShapiroWilk
Fluoride (mg/L)	GWC-12	n/a	n/a	NP	NaN	18	0.09233	0.02238	unknown	ShapiroWilk
Fluoride (mg/L)	**GWA-15 (bg)**	**Yes**	**0.019**	**NP**	**NaN**	**18**	**0.08533**	**0.02874**	**x^(1/3)**	**ShapiroWilk**
Fluoride (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	18	0.1347	0.03059	ln(x)	ShapiroWilk
Fluoride (mg/L)	GWC-18 (bg)	No	n/a	NP	NaN	19	0.5993	0.08015	sqrt(x)	ShapiroWilk
Fluoride (mg/L)	GWC-19	No	n/a	NP	NaN	18	0.1019	0.028	ln(x)	ShapiroWilk

Tukey's Outlier Test - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:06 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Fluoride (mg/L)	GWC-20	No	n/a	NP	NaN	18	0.1251	0.07837	ln(x)	ShapiroWilk
Fluoride (mg/L)	GWC-21	n/a	n/a	NP	NaN	18	0.08856	0.02651	unknown	ShapiroWilk
Fluoride (mg/L)	GWC-23	No	n/a	NP	NaN	18	0.08194	0.029	x^6	ShapiroWilk
Fluoride (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	18	0.08972	0.02385	unknown	ShapiroWilk
Fluoride (mg/L)	GWA-5 (bg)	No	n/a	NP	NaN	18	0.3455	0.2249	ln(x)	ShapiroWilk
Fluoride (mg/L)	GWC-9	No	n/a	NP	NaN	18	0.08356	0.0285	sqrt(x)	ShapiroWilk
Lead (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	23	0.0009817	0.00008758	unknown	ShapiroWilk
Lead (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	23	0.0009278	0.0002394	unknown	ShapiroWilk
Lead (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	23	0.0009291	0.0002354	unknown	ShapiroWilk
Lead (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	44	0.0009957	0.00002864	unknown	ShapiroWilk
Lead (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	44	0.001295	0.00196	unknown	ShapiroWilk
Lead (mg/L)	GWC-1	n/a	n/a	NP	NaN	44	0.001	0	unknown	ShapiroWilk
Lead (mg/L)	GWC-10	n/a	n/a	NP	NaN	44	0.001	0	unknown	ShapiroWilk
Lead (mg/L)	GWC-11	n/a	n/a	NP	NaN	44	0.0009348	0.0002096	unknown	ShapiroWilk
Lead (mg/L)	GWC-12	n/a	n/a	NP	NaN	44	0.001	0	unknown	ShapiroWilk
Lead (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	23	0.001	0	unknown	ShapiroWilk
Lead (mg/L)	GWC-17 (bg)	n/a	n/a	NP	NaN	23	0.001	0	unknown	ShapiroWilk
Lead (mg/L)	GWC-18 (bg)	n/a	n/a	NP	NaN	23	0.0008483	0.0003097	unknown	ShapiroWilk
Lead (mg/L)	GWC-19	n/a	n/a	NP	NaN	23	0.001	0	unknown	ShapiroWilk
Lead (mg/L)	GWC-20	n/a	n/a	NP	NaN	23	0.000967	0.0001585	unknown	ShapiroWilk
Lead (mg/L)	GWC-21	n/a	n/a	NP	NaN	23	0.0009565	0.0001685	unknown	ShapiroWilk
Lead (mg/L)	GWC-23	n/a	n/a	NP	NaN	18	0.0009061	0.0002734	unknown	ShapiroWilk
Lead (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	44	0.0009716	0.0001349	unknown	ShapiroWilk
Lead (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	46	0.0009639	0.00015	unknown	ShapiroWilk
Lead (mg/L)	GWC-9	n/a	n/a	NP	NaN	44	0.001105	0.0006935	unknown	ShapiroWilk
Nickel (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	17	0.0008882	0.0002492	unknown	ShapiroWilk
Nickel (mg/L)	GWA-14 (bg)	No	n/a	NP	NaN	17	0.001689	0.001001	ln(x)	ShapiroWilk
Nickel (mg/L)	GWA-16 (bg)	No	n/a	NP	NaN	17	0.0008329	0.0002684	ln(x)	ShapiroWilk
Nickel (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	38	0.002212	0.0007617	unknown	ShapiroWilk
Nickel (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	38	0.002333	0.006042	unknown	ShapiroWilk
Nickel (mg/L)	**GWC-1**	**Yes**	**0.00088,0.00099**	**NP**	**NaN**	**37**	**0.002194**	**0.0005567**	**ln(x)**	**ShapiroWilk**
Nickel (mg/L)	GWC-10	n/a	n/a	NP	NaN	38	0.001001	0.0001168	unknown	ShapiroWilk
Nickel (mg/L)	GWC-11	n/a	n/a	NP	NaN	38	0.002253	0.0008314	unknown	ShapiroWilk
Nickel (mg/L)	GWC-12	n/a	n/a	NP	NaN	38	0.002378	0.0008823	unknown	ShapiroWilk
Nickel (mg/L)	GWA-15 (bg)	No	n/a	NP	NaN	17	0.0008718	0.0002385	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	17	0.002218	0.0007047	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-18 (bg)	No	n/a	NP	NaN	17	0.001851	0.0006331	x^(1/3)	ShapiroWilk
Nickel (mg/L)	GWC-19	No	n/a	NP	NaN	17	0.001765	0.0004743	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-20	No	n/a	NP	NaN	17	0.002834	0.001889	x^(1/3)	ShapiroWilk
Nickel (mg/L)	GWC-21	No	n/a	NP	NaN	17	0.001905	0.0008392	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-23	No	n/a	NP	NaN	12	0.00185	0.0005916	normal	ShapiroWilk
Nickel (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	38	0.002522	0.001022	unknown	ShapiroWilk
Nickel (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	38	0.0009861	0.0003961	unknown	ShapiroWilk
Nickel (mg/L)	GWC-9	n/a	n/a	NP	NaN	38	0.001113	0.0005718	unknown	ShapiroWilk
Selenium (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	23	0.004793	0.0009904	unknown	ShapiroWilk
Selenium (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	23	0.005	0	unknown	ShapiroWilk
Selenium (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	23	0.004793	0.0009904	unknown	ShapiroWilk
Selenium (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	44	0.004696	0.001136	unknown	ShapiroWilk
Selenium (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	44	0.004605	0.001149	unknown	ShapiroWilk
Selenium (mg/L)	GWC-1	n/a	n/a	NP	NaN	44	0.004787	0.0009893	unknown	ShapiroWilk
Selenium (mg/L)	GWC-10	n/a	n/a	NP	NaN	44	0.004784	0.001001	unknown	ShapiroWilk
Selenium (mg/L)	GWC-11	n/a	n/a	NP	NaN	44	0.004371	0.001601	unknown	ShapiroWilk
Selenium (mg/L)	GWC-12	n/a	n/a	NP	NaN	44	0.005	0	unknown	ShapiroWilk
Selenium (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	23	0.004813	0.0008945	unknown	ShapiroWilk
Selenium (mg/L)	GWC-17 (bg)	n/a	n/a	NP	NaN	23	0.005	0	unknown	ShapiroWilk

Tukey's Outlier Test - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:06 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Selenium (mg/L)	GWC-18 (bg)	n/a	n/a	NP	NaN	23	0.004802	0.0009508	unknown	ShapiroWilk
Selenium (mg/L)	GWC-19	n/a	n/a	NP	NaN	23	0.004805	0.0009341	unknown	ShapiroWilk
Selenium (mg/L)	GWC-20	n/a	n/a	NP	NaN	23	0.004874	0.0006047	unknown	ShapiroWilk
Selenium (mg/L)	GWC-21	n/a	n/a	NP	NaN	23	0.004801	0.0009529	unknown	ShapiroWilk
Selenium (mg/L)	GWC-23	n/a	n/a	NP	NaN	18	0.005	0	unknown	ShapiroWilk
Selenium (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	44	0.004735	0.00102	unknown	ShapiroWilk
Selenium (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	46	0.005339	0.003033	unknown	ShapiroWilk
Selenium (mg/L)	GWC-9	n/a	n/a	NP	NaN	44	0.005018	0.0001206	unknown	ShapiroWilk
Silver (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	38	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	38	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-1	n/a	n/a	NP	NaN	37	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-10	n/a	n/a	NP	NaN	38	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-11	n/a	n/a	NP	NaN	38	0.0009897	0.00006327	unknown	ShapiroWilk
Silver (mg/L)	GWC-12	n/a	n/a	NP	NaN	38	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-17 (bg)	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-18 (bg)	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-19	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-20	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-21	n/a	n/a	NP	NaN	17	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-23	n/a	n/a	NP	NaN	12	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	38	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	38	0.001	0	unknown	ShapiroWilk
Silver (mg/L)	GWC-9	n/a	n/a	NP	NaN	38	0.001	0	unknown	ShapiroWilk
Sulfate (mg/L)	GWA-13 (bg)	No	n/a	NP	NaN	18	0.9253	0.2455	x^2	ShapiroWilk
Sulfate (mg/L)	GWA-14 (bg)	No	n/a	NP	NaN	18	1.612	1.424	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWA-16 (bg)	No	n/a	NP	NaN	18	0.8944	0.1806	x^3	ShapiroWilk
Sulfate (mg/L)	**GWA-2 (bg)**	**Yes**	**1.27,1.7,0.83,0.64,0.76**	**NP**	**NaN**	**18**	**1.006**	**0.2145**	**ln(x)**	**ShapiroWilk**
Sulfate (mg/L)	GWA-3 (bg)	No	n/a	NP	NaN	18	0.9711	0.1629	x^4	ShapiroWilk
Sulfate (mg/L)	GWC-1	No	n/a	NP	NaN	18	1.493	0.4043	normal	ShapiroWilk
Sulfate (mg/L)	GWC-10	No	n/a	NP	NaN	18	3.391	1.008	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWC-11	No	n/a	NP	NaN	18	4.554	0.7201	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWC-12	No	n/a	NP	NaN	18	0.8978	0.1666	x^2	ShapiroWilk
Sulfate (mg/L)	GWA-15 (bg)	No	n/a	NP	NaN	18	0.8485	0.2427	x^3	ShapiroWilk
Sulfate (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	18	1.231	0.502	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWC-18 (bg)	No	n/a	NP	NaN	19	4.718	1.262	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWC-19	No	n/a	NP	NaN	18	1.956	0.4137	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWC-20	No	n/a	NP	NaN	18	1.813	1.178	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWC-21	No	n/a	NP	NaN	18	1.033	0.3311	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWC-23	No	n/a	NP	NaN	18	2.794	1.675	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWA-4A (bg)	No	n/a	NP	NaN	18	6.884	2.809	ln(x)	ShapiroWilk
Sulfate (mg/L)	GWA-5 (bg)	No	n/a	NP	NaN	18	0.8921	0.1992	x^2	ShapiroWilk
Sulfate (mg/L)	GWC-9	No	n/a	NP	NaN	18	1.608	1.123	ln(x)	ShapiroWilk
Thallium (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	23	0.0008648	0.0003136	unknown	ShapiroWilk
Thallium (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	23	0.0008726	0.0002963	unknown	ShapiroWilk
Thallium (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	23	0.0009326	0.0002234	unknown	ShapiroWilk
Thallium (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	42	0.0009543	0.0001746	unknown	ShapiroWilk
Thallium (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	42	0.00096	0.0001811	unknown	ShapiroWilk
Thallium (mg/L)	GWC-1	n/a	n/a	NP	NaN	43	0.001	0	unknown	ShapiroWilk
Thallium (mg/L)	GWC-10	n/a	n/a	NP	NaN	42	0.0009495	0.0001852	unknown	ShapiroWilk
Thallium (mg/L)	GWC-11	n/a	n/a	NP	NaN	42	0.0009479	0.0001955	unknown	ShapiroWilk
Thallium (mg/L)	GWC-12	n/a	n/a	NP	NaN	42	0.0009617	0.0001736	unknown	ShapiroWilk

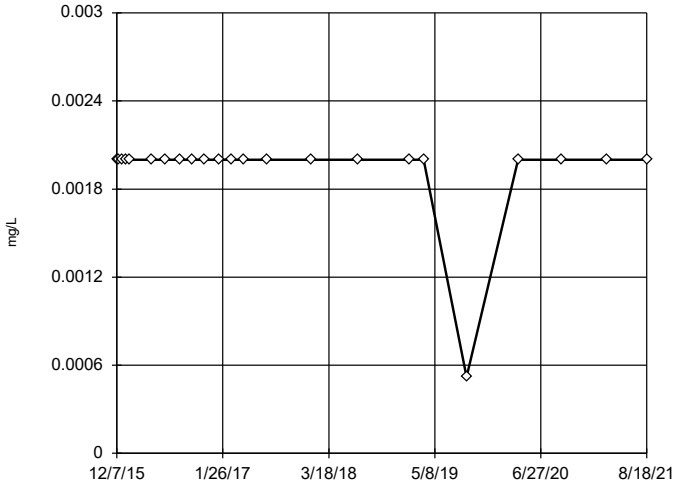
Tukey's Outlier Test - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:06 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Thallium (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	23	0.001	0	unknown	ShapiroWilk
Thallium (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	23	0.0007614	0.0004107	ln(x)	ShapiroWilk
Thallium (mg/L)	GWC-18 (bg)	No	n/a	NP	NaN	23	0.0003495	0.0003956	ln(x)	ShapiroWilk
Thallium (mg/L)	GWC-19	n/a	n/a	NP	NaN	23	0.0008926	0.000285	unknown	ShapiroWilk
Thallium (mg/L)	GWC-20	No	n/a	NP	NaN	23	0.0007349	0.0004129	ln(x)	ShapiroWilk
Thallium (mg/L)	GWC-21	n/a	n/a	NP	NaN	23	0.0008955	0.000282	unknown	ShapiroWilk
Thallium (mg/L)	GWC-23	No	n/a	NP	NaN	18	0.0007172	0.0004147	ln(x)	ShapiroWilk
Thallium (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	42	0.0009611	0.0001791	unknown	ShapiroWilk
Thallium (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	44	0.0009936	0.00004221	unknown	ShapiroWilk
Thallium (mg/L)	GWC-9	n/a	n/a	NP	NaN	42	0.0009817	0.0001188	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-13 (bg)	n/a	n/a	NP	NaN	17	0.001168	0.0004934	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-14 (bg)	n/a	n/a	NP	NaN	17	0.001019	0.0003003	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-16 (bg)	n/a	n/a	NP	NaN	17	0.001085	0.0003928	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-2 (bg)	n/a	n/a	NP	NaN	38	0.001138	0.0006883	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-3 (bg)	n/a	n/a	NP	NaN	38	0.002765	0.008924	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-1	n/a	n/a	NP	NaN	37	0.001127	0.0005195	unknown	ShapiroWilk
Vanadium (mg/L)	**GWC-10**	**Yes**	**0.0019,0.0087,0.0027,0.0027,0.0065,0.0022**	**NP**	**NaN**	**38**	**0.001515**	**0.001541**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	**GWC-11**	**Yes**	**0.0093,0.01**	**NP**	**NaN**	**38**	**0.002576**	**0.001765**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	GWC-12	n/a	n/a	NP	NaN	38	0.00135	0.001511	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-15 (bg)	n/a	n/a	NP	NaN	17	0.001218	0.0007963	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-17 (bg)	n/a	n/a	NP	NaN	17	0.00121	0.0007608	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-18 (bg)	No	n/a	NP	NaN	17	0.003165	0.001462	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-19	No	n/a	NP	NaN	17	0.001754	0.001445	ln(x)	ShapiroWilk
Vanadium (mg/L)	**GWC-20**	**Yes**	**0.0074,0.0034**	**NP**	**NaN**	**17**	**0.001661**	**0.001669**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	**GWC-21**	**Yes**	**0.00048,0.0058,0.0029,0.0049**	**NP**	**NaN**	**17**	**0.001622**	**0.001496**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	GWC-23	No	n/a	NP	NaN	12	0.001694	0.001396	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWA-4A (bg)	n/a	n/a	NP	NaN	38	0.001118	0.0004924	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-5 (bg)	n/a	n/a	NP	NaN	38	0.001102	0.0004468	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-9	n/a	n/a	NP	NaN	38	0.001452	0.001593	unknown	ShapiroWilk
Zinc (mg/L)	GWA-13 (bg)	No	n/a	NP	NaN	17	0.004288	0.00113	x^2	ShapiroWilk
Zinc (mg/L)	GWA-14 (bg)	No	n/a	NP	NaN	17	0.006224	0.005156	ln(x)	ShapiroWilk
Zinc (mg/L)	GWA-16 (bg)	No	n/a	NP	NaN	17	0.004388	0.0009519	x^2	ShapiroWilk
Zinc (mg/L)	GWA-2 (bg)	No	n/a	NP	NaN	38	0.009292	0.007224	ln(x)	ShapiroWilk
Zinc (mg/L)	**GWA-3 (bg)**	**Yes**	**0.045,0.012,0.012,0.042,0.057,0.0085,0.0028,0.002**	**NP**	**NaN**	**38**	**0.008458**	**0.01206**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	GWC-1	No	n/a	NP	NaN	37	0.008786	0.007361	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-10	n/a	n/a	NP	NaN	38	0.005095	0.002662	unknown	ShapiroWilk
Zinc (mg/L)	**GWC-11**	**Yes**	**0.041,0.0019,0.0022**	**NP**	**NaN**	**38**	**0.005484**	**0.006051**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	GWC-12	No	n/a	NP	NaN	38	0.004458	0.001585	ln(x)	ShapiroWilk
Zinc (mg/L)	GWA-15 (bg)	No	n/a	NP	NaN	17	0.005288	0.002443	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-17 (bg)	No	n/a	NP	NaN	17	0.01054	0.006518	ln(x)	ShapiroWilk
Zinc (mg/L)	**GWC-18 (bg)**	**Yes**	**0.5**	**NP**	**NaN**	**17**	**0.03509**	**0.1199**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	**GWC-19**	**Yes**	**0.017**	**NP**	**NaN**	**17**	**0.005429**	**0.003655**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	**GWC-20**	**Yes**	**0.0035,0.0084,0.0069,0.0073**	**NP**	**NaN**	**17**	**0.005335**	**0.001162**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	GWC-21	No	n/a	NP	NaN	17	0.004512	0.001999	sqrt(x)	ShapiroWilk
Zinc (mg/L)	GWC-23	No	n/a	NP	NaN	12	0.01074	0.007138	ln(x)	ShapiroWilk
Zinc (mg/L)	GWA-4A (bg)	No	n/a	NP	NaN	38	0.01135	0.0104	ln(x)	ShapiroWilk
Zinc (mg/L)	**GWA-5 (bg)**	**Yes**	**0.022**	**NP**	**NaN**	**38**	**0.0053**	**0.003873**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	GWC-9	n/a	n/a	NP	NaN	38	0.006082	0.007535	unknown	ShapiroWilk

Tukey's Outlier Screening

GWA-13 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

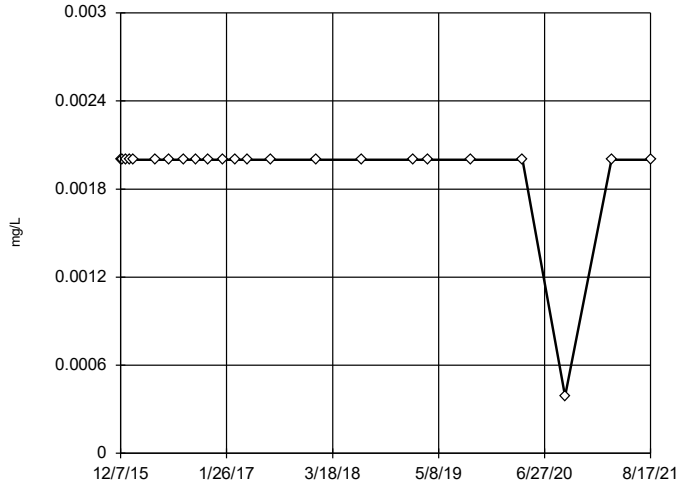
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

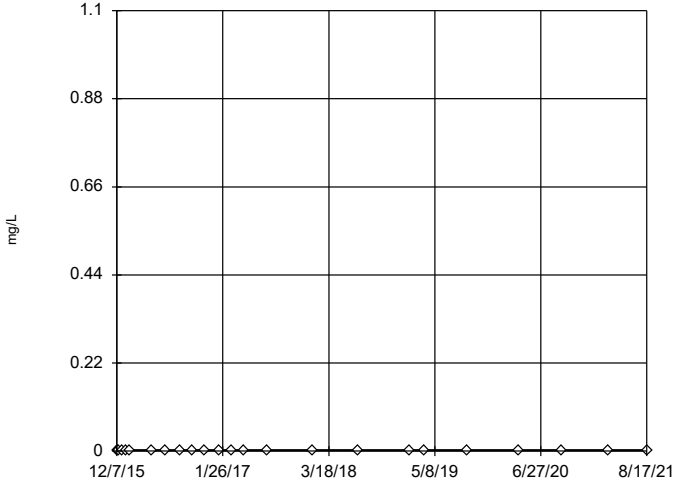
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

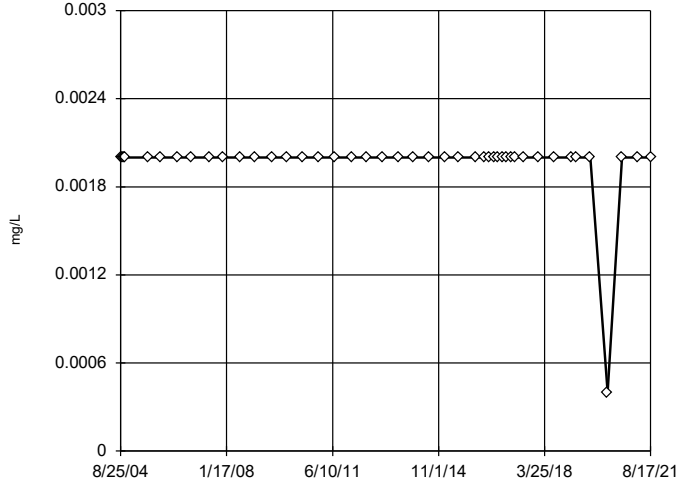
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found. Tukey's method selected by user.

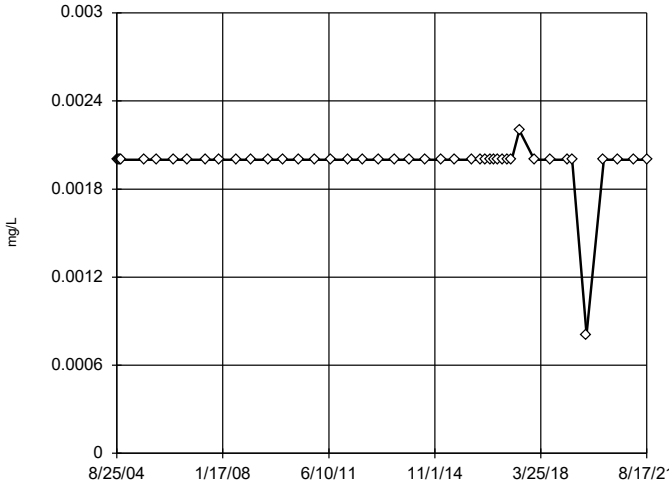
Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

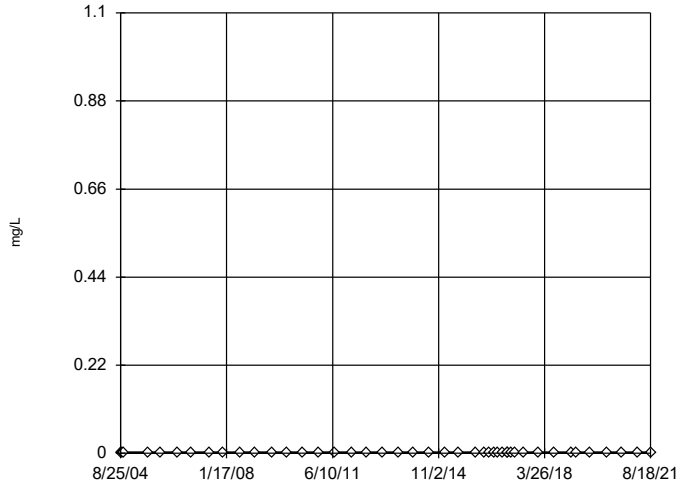
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

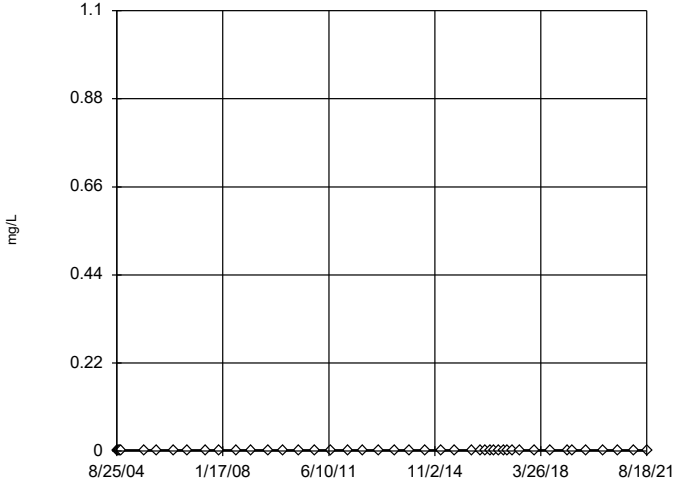
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

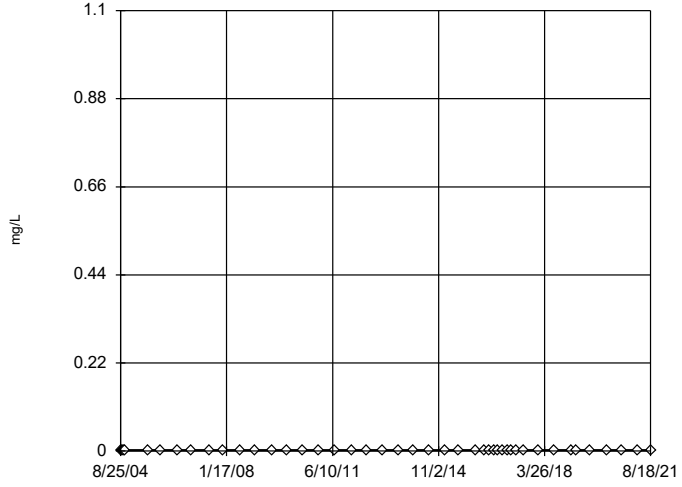
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 44

No outliers found. Tukey's method selected by user.

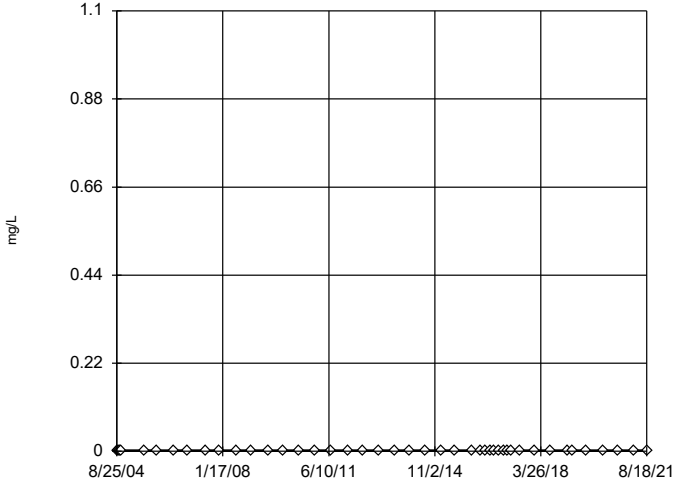
Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

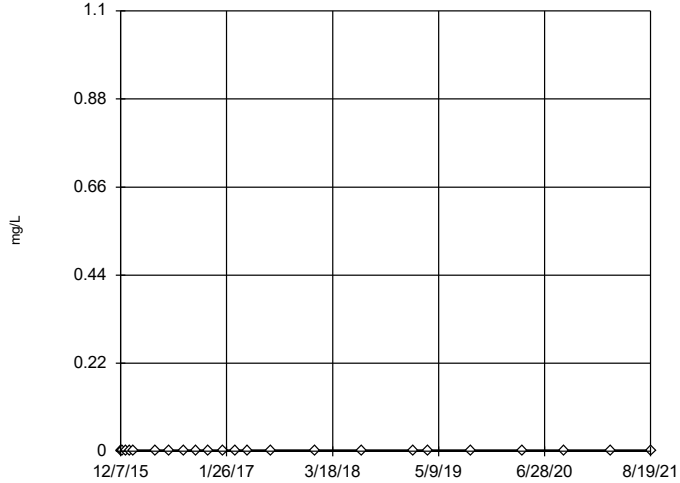
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

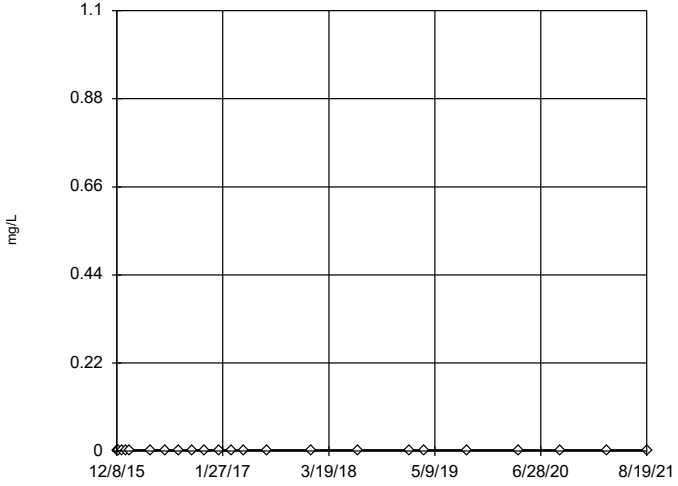
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

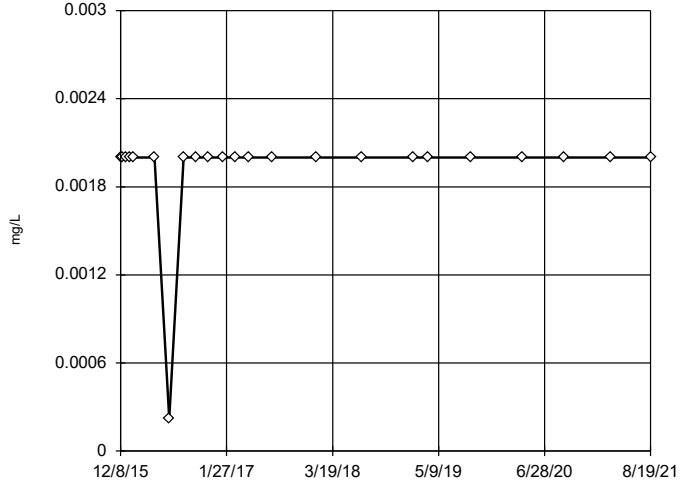
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

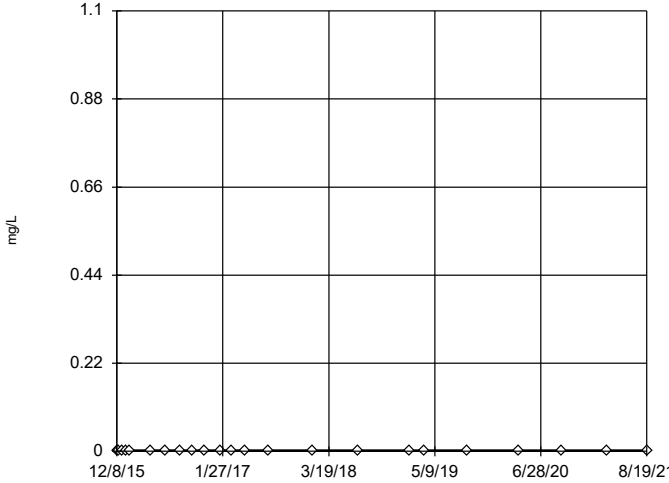
Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

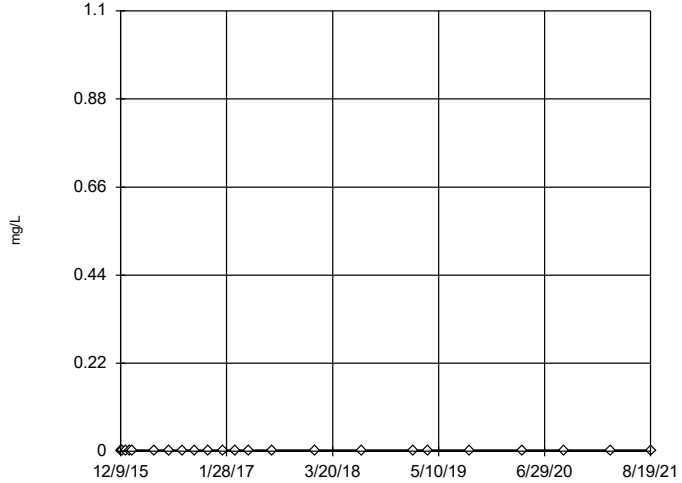
Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

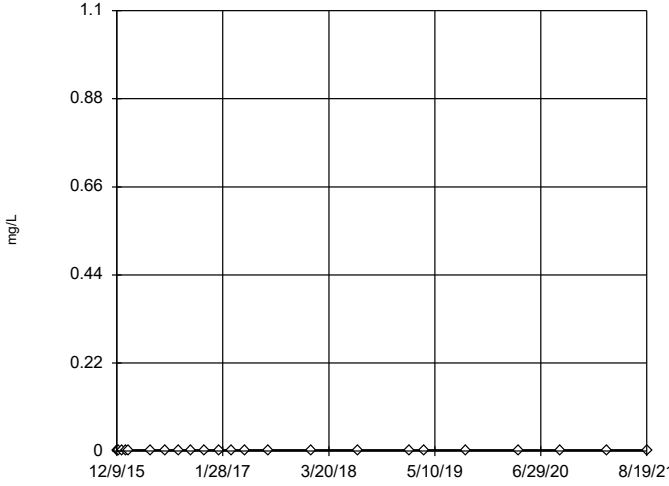
Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

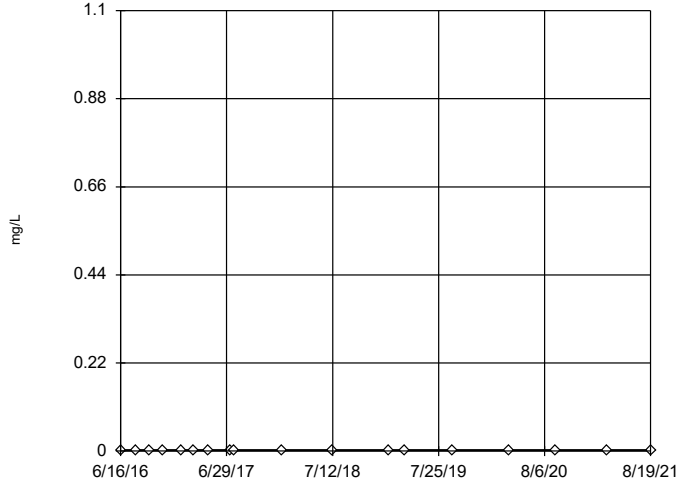
Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

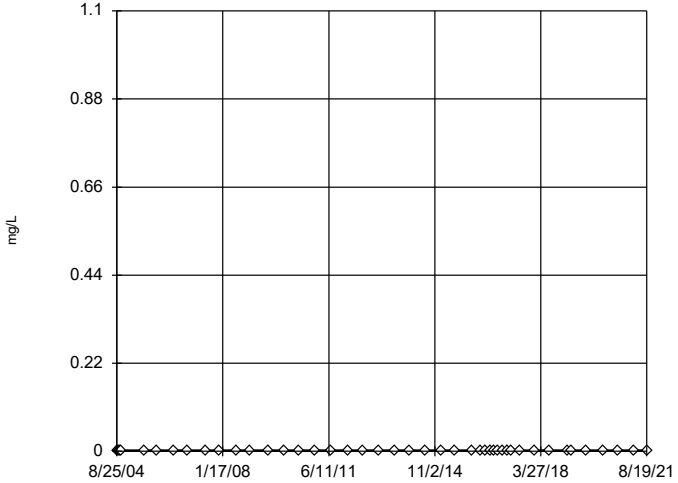
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

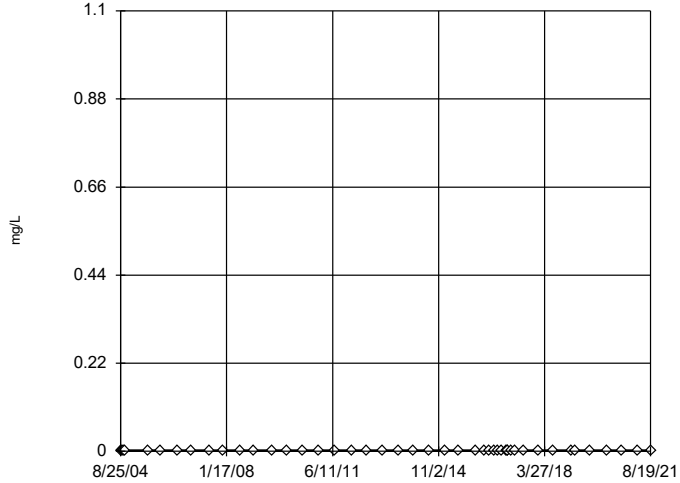
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

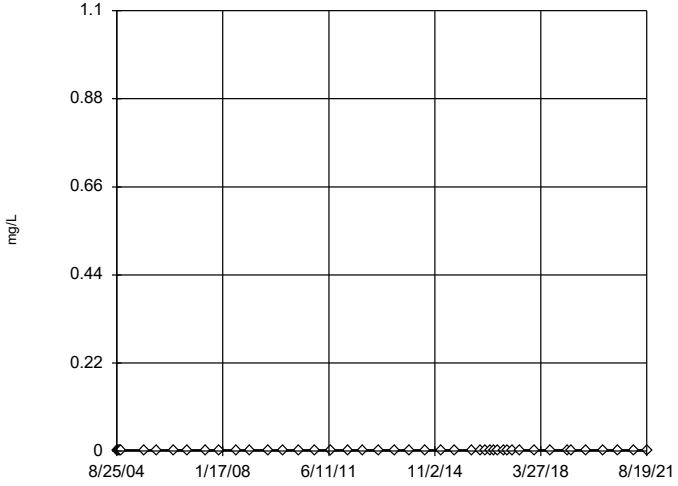
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

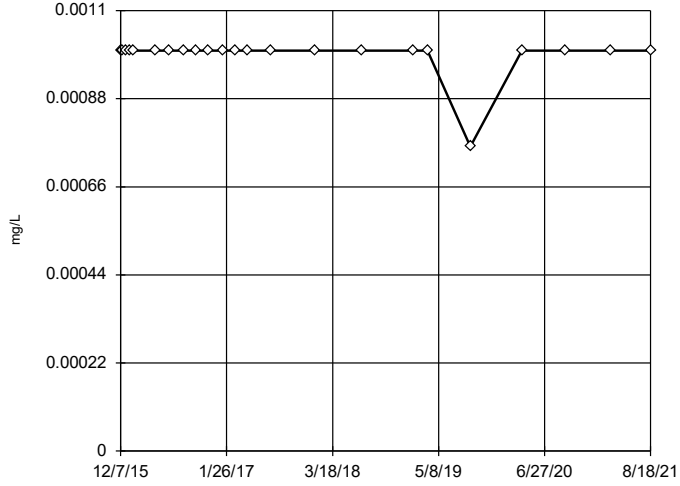
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 23

No outliers found. Tukey's method selected by user.

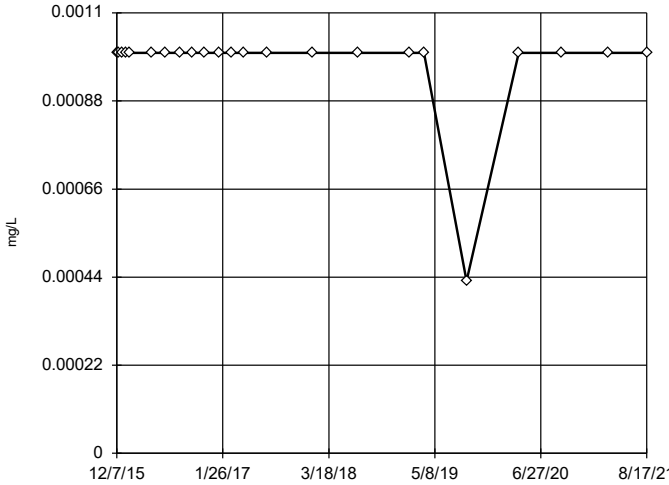
Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

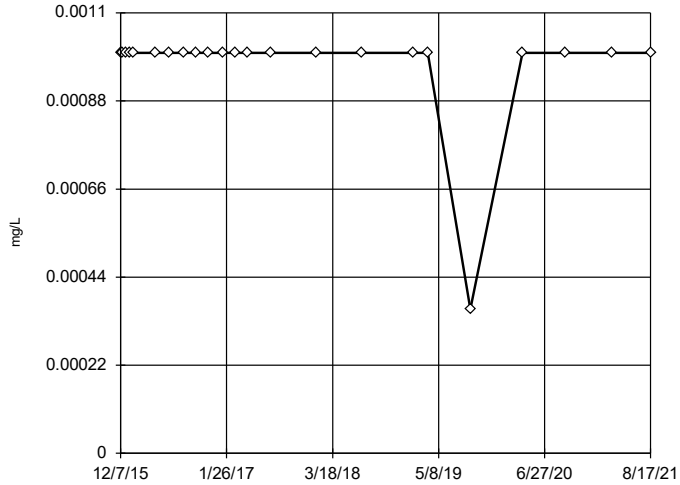
Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

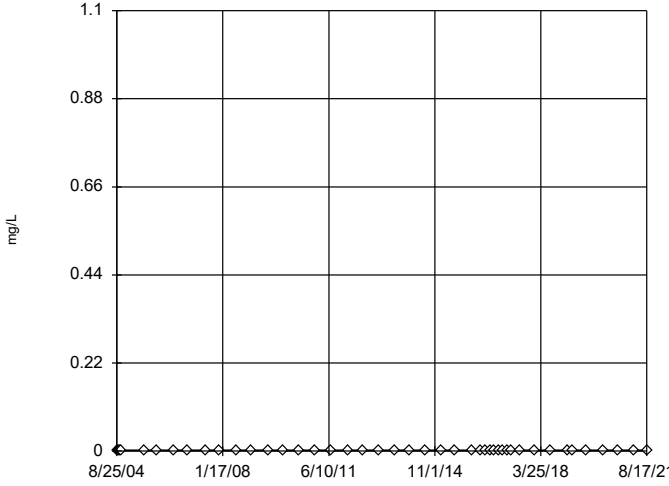
Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

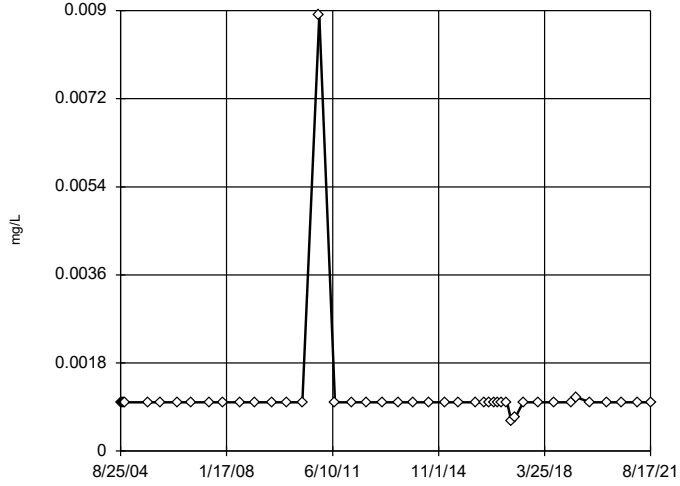
Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

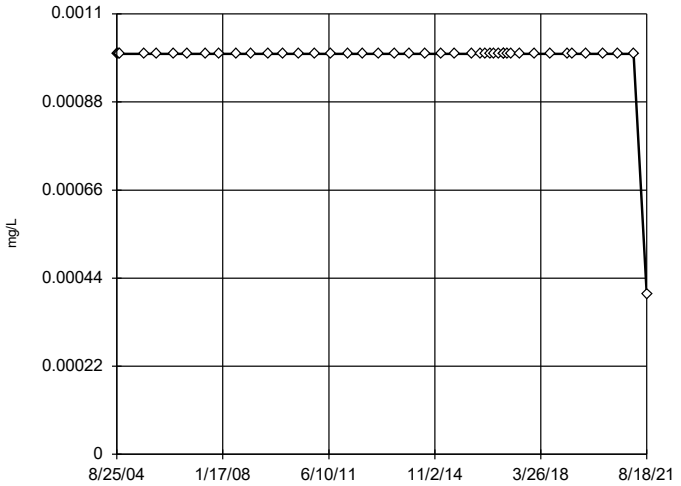
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-1



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

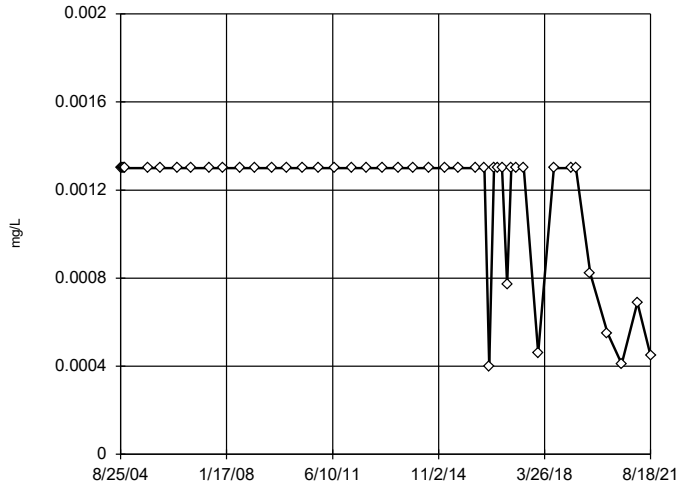
Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

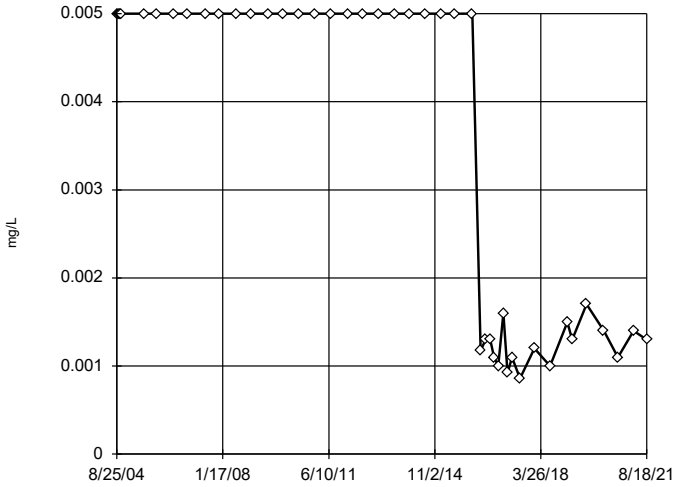
Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2845, low cutoff = 0.00002285, based on IQR multiplier of 3.

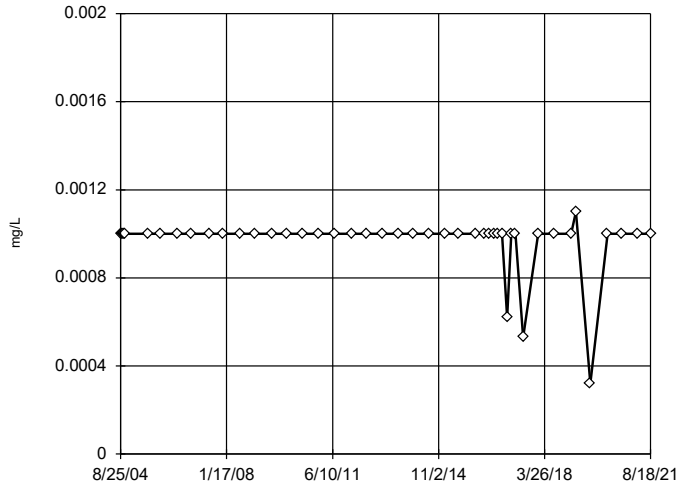
Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

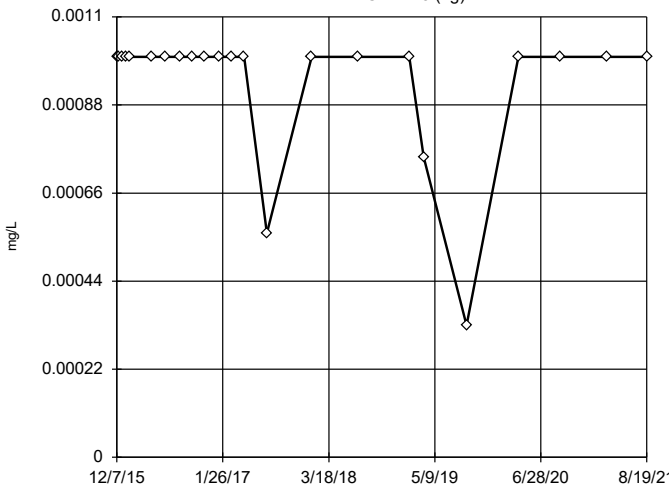
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

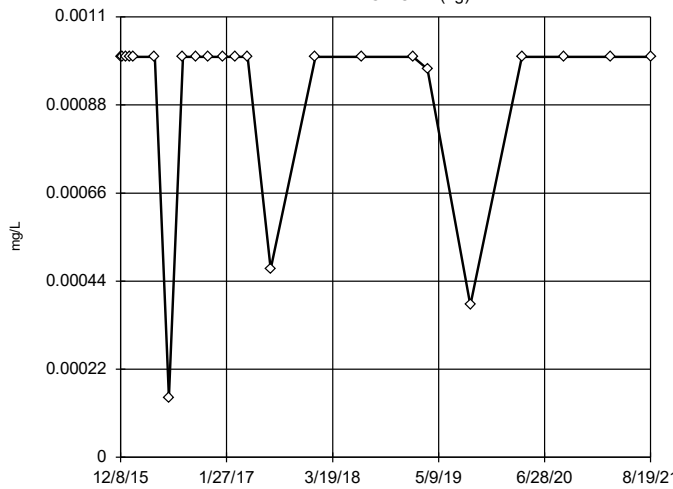
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

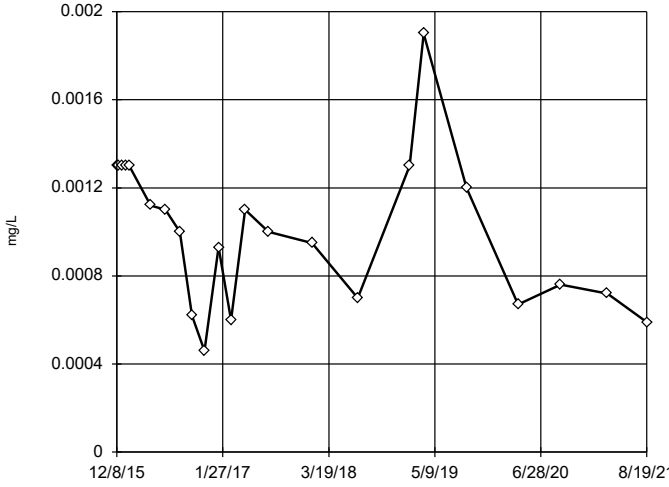
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

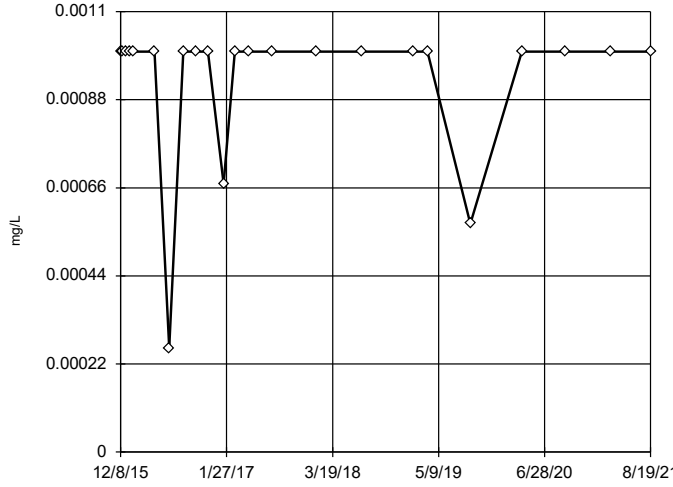
High cutoff = 0.004929, low cutoff = 0.00002135, based on IQR multiplier of 3.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

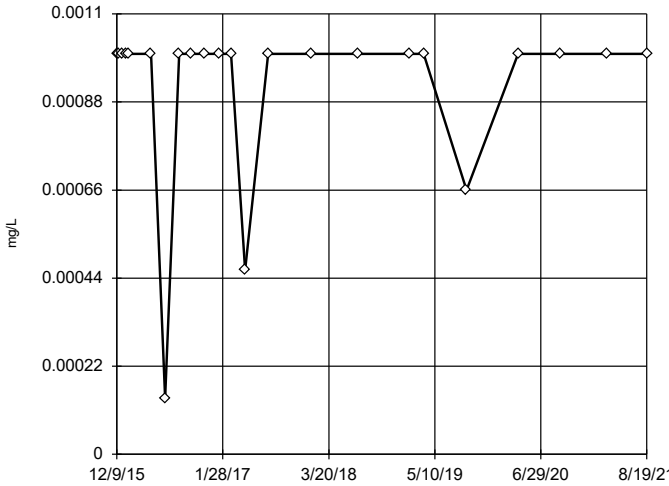
Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

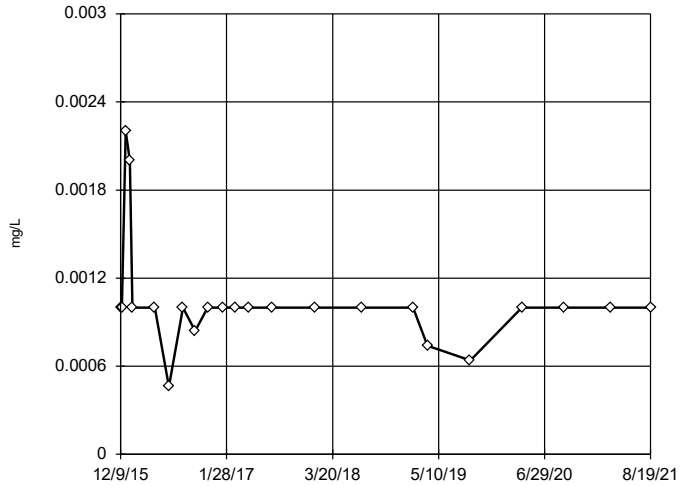
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

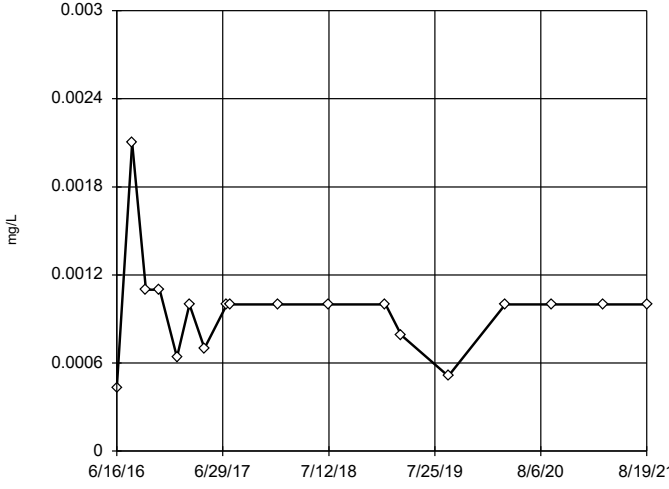
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

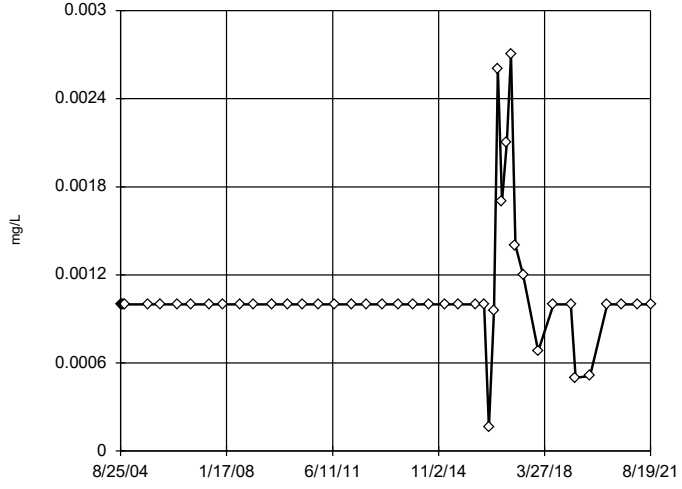
High cutoff = 0.002432, low cutoff = 0.0003058, based on IQR multiplier of 3.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

No outliers found. Tukey's method selected by user.

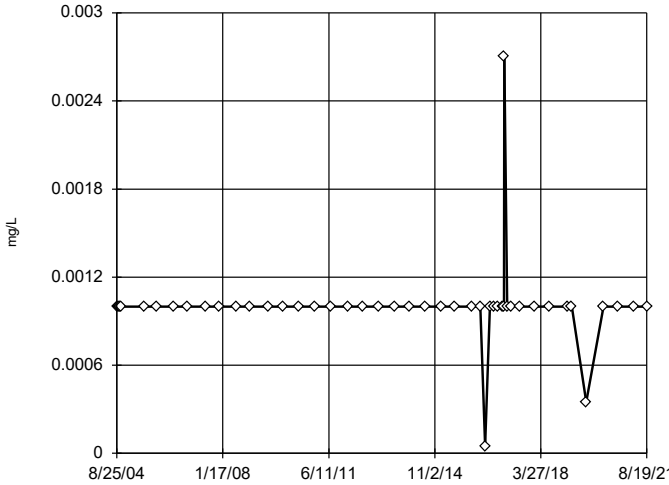
Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

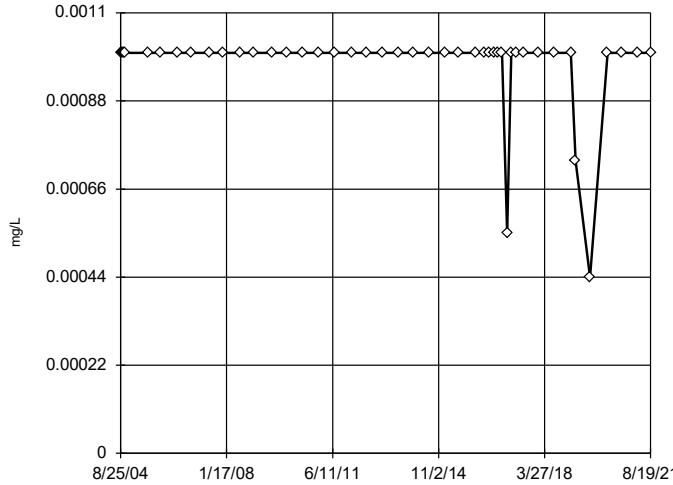
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

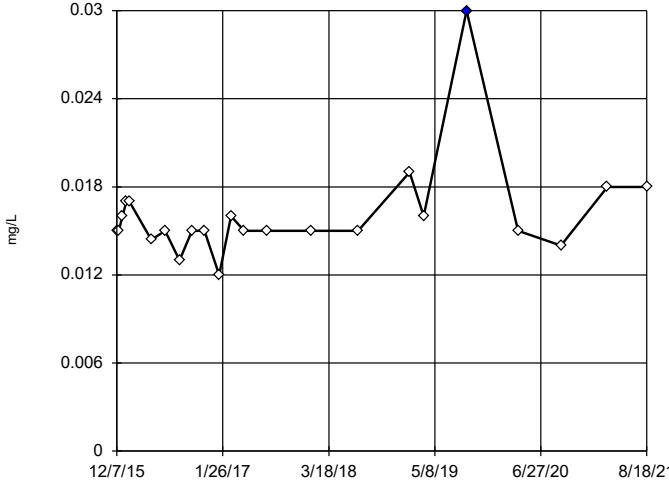
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

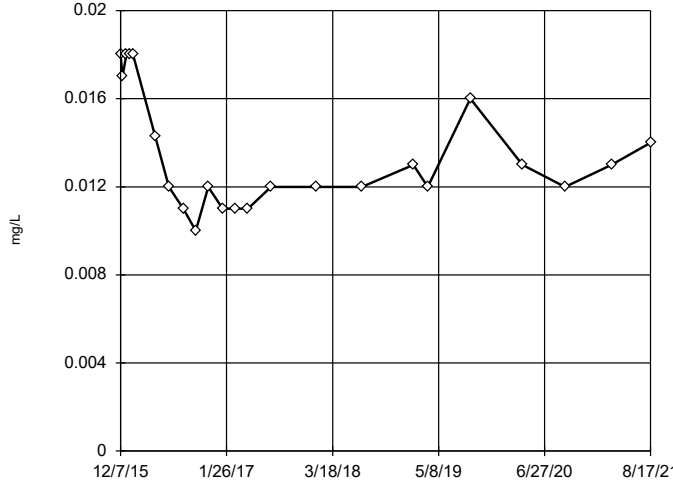
High cutoff = 0.02475, low cutoff = 0.0103, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

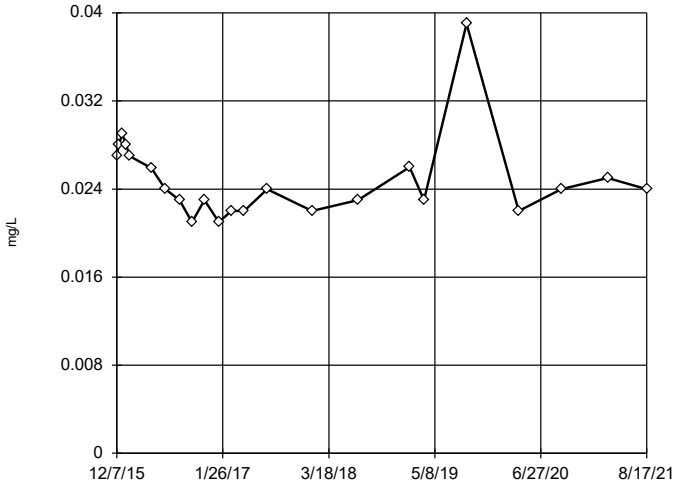
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03793, low cutoff = 0.005063, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

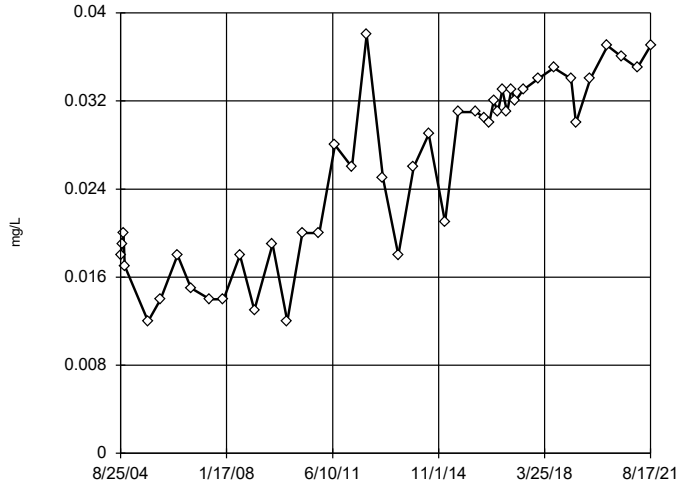
High cutoff = 0.04991, low cutoff = 0.0119, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found.
Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

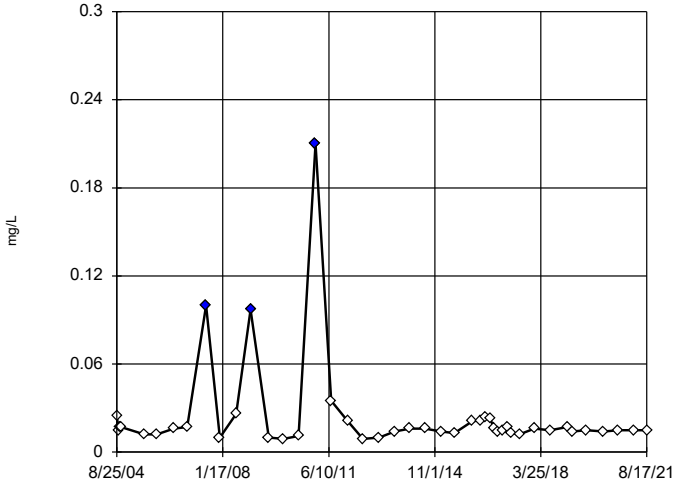
High cutoff = 0.05817, low cutoff = -0.0444, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

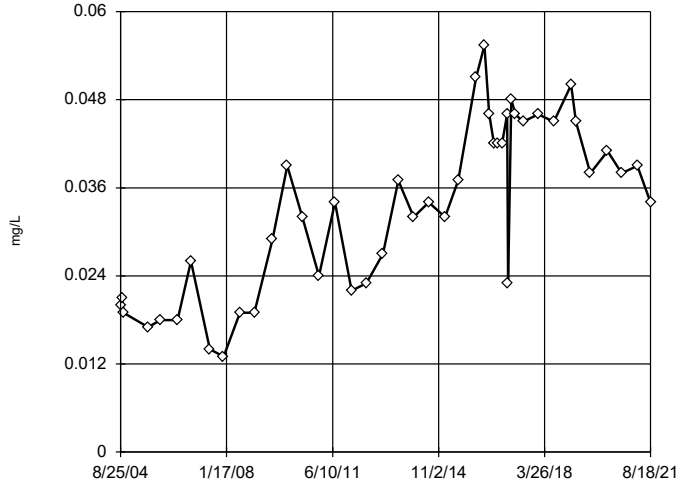
High cutoff = 0.05191, low cutoff = 0.004911, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 44

No outliers found.
Tukey's method selected by user.

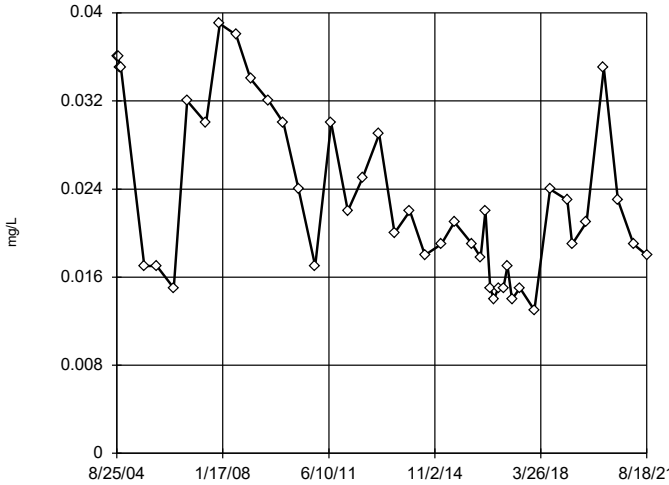
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.1065, low cutoff = -0.0405, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1649, low cutoff = 0.003093, based on IQR multiplier of 3.

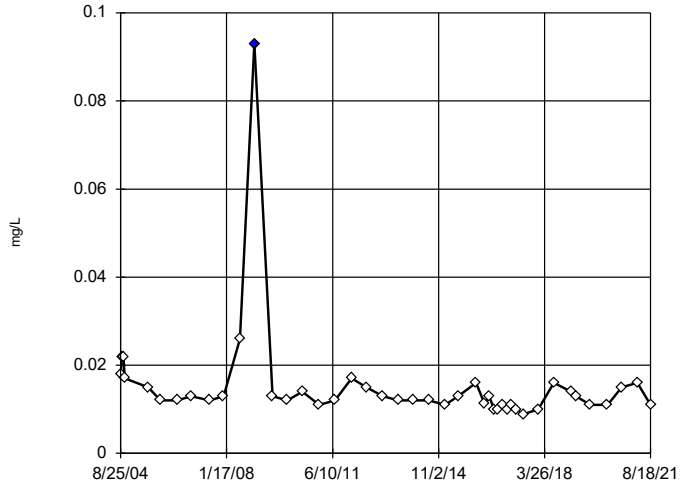
Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 44

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03804, low cutoff = 0.004338, based on IQR multiplier of 3.

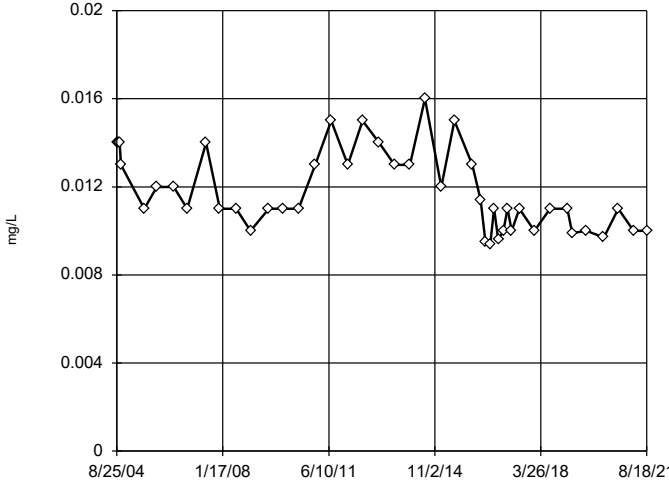
Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02856, low cutoff = 0.004552, based on IQR multiplier of 3.

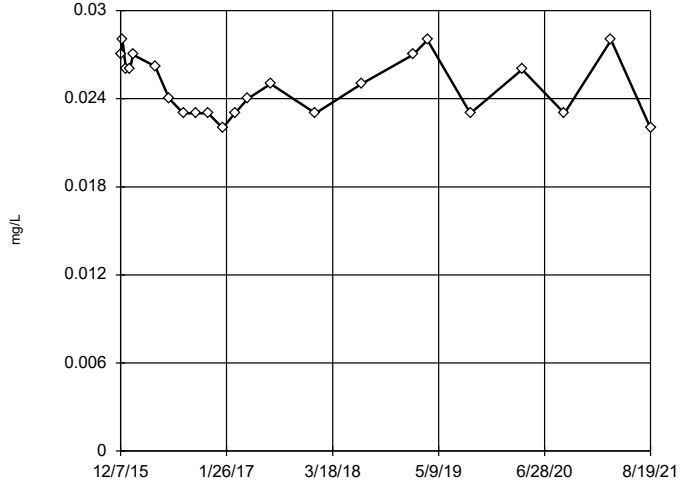
Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

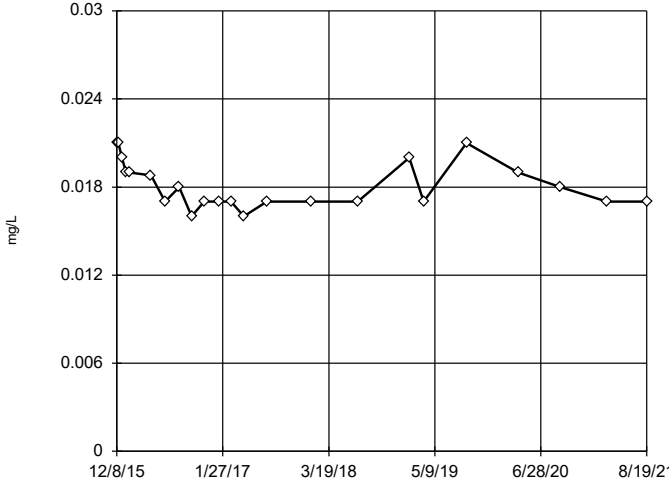
High cutoff = 0.04368, low cutoff = 0.01422, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02653, low cutoff = 0.01218, based on IQR multiplier of 3.

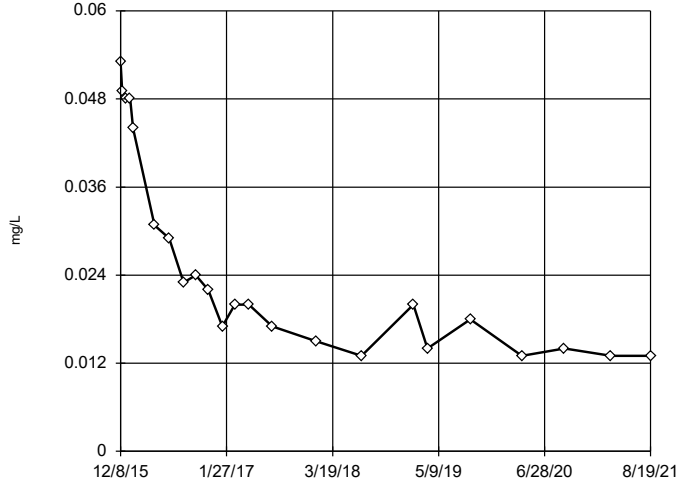
Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.328, low cutoff = 0.001315, based on IQR multiplier of 3.

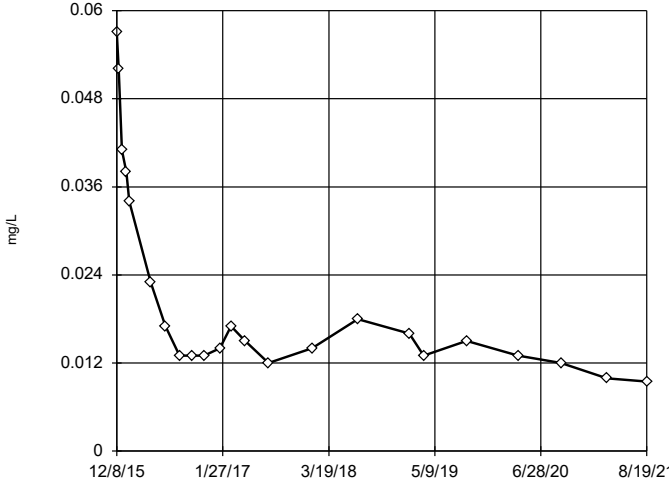
Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1274, low cutoff = 0.002347, based on IQR multiplier of 3.

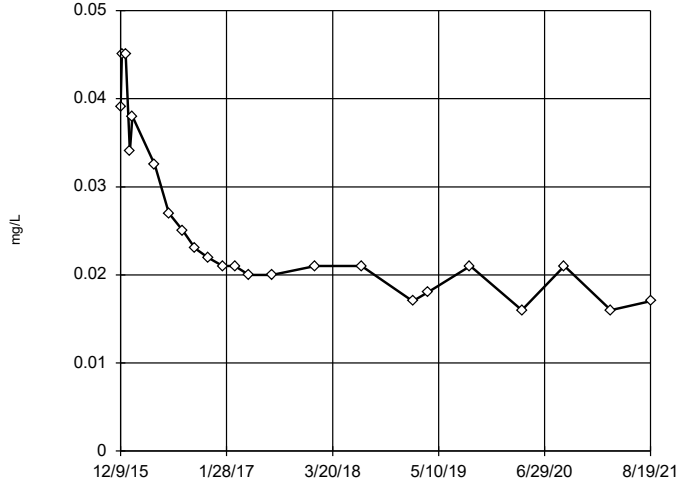
Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

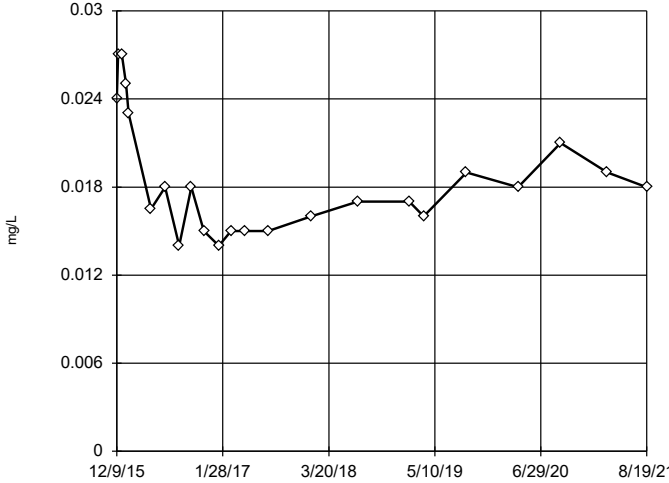
High cutoff = 0.1395, low cutoff = 0.004661, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

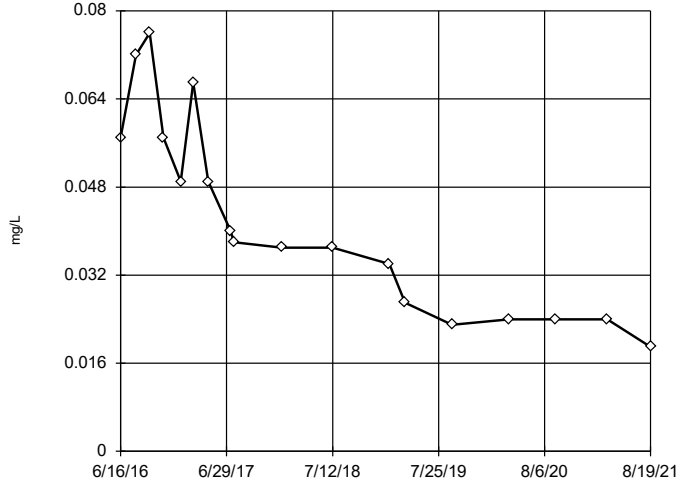
High cutoff = 0.05762, low cutoff = 0.005466, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

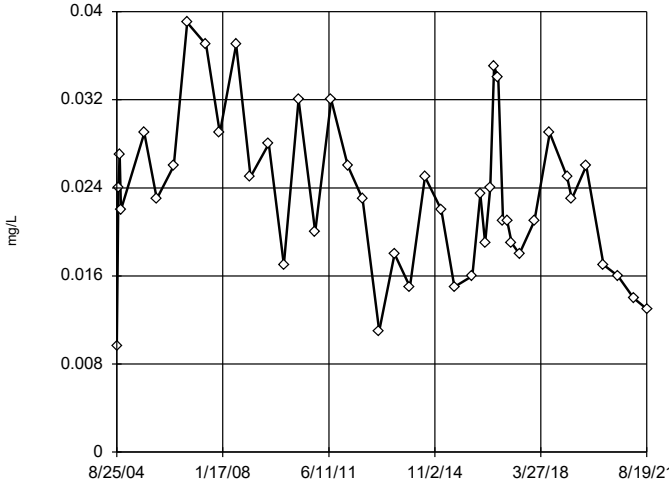
High cutoff = 0.7636, low cutoff = 0.001792, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

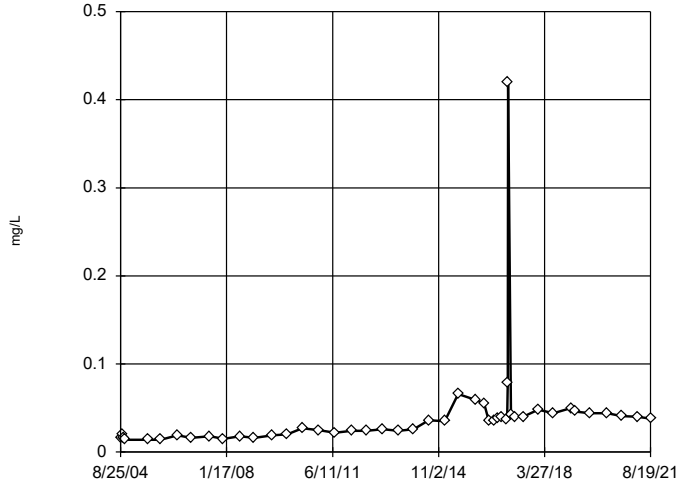
High cutoff = 0.06802, low cutoff = 0.001535, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found. Tukey's method selected by user.

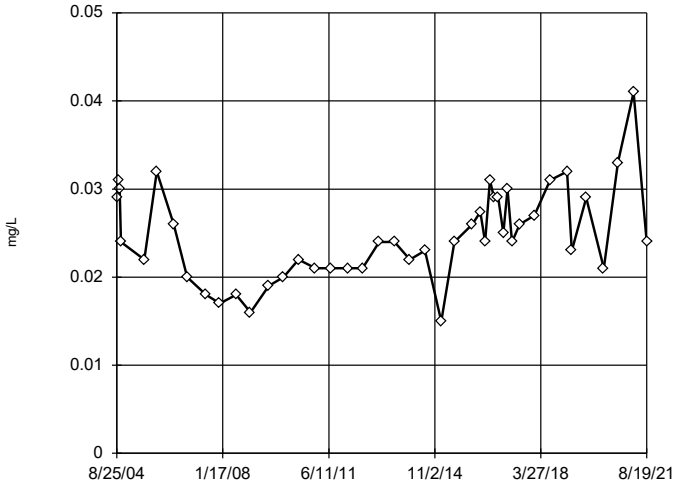
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.4979, low cutoff = 0.00164, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

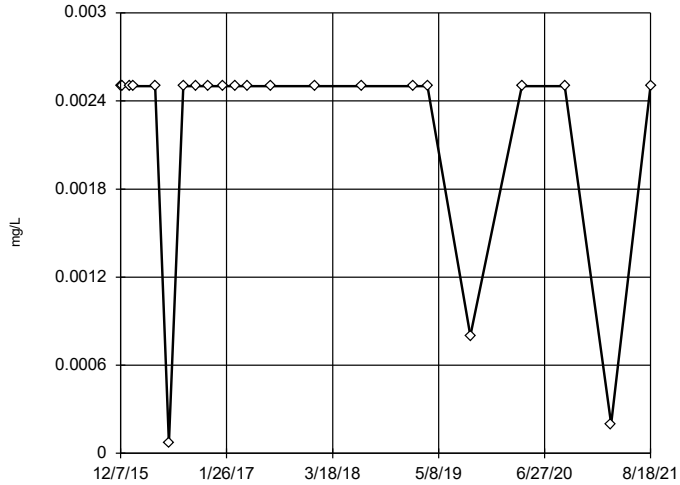
High cutoff = 0.07637, low cutoff = 0.007974, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 22

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

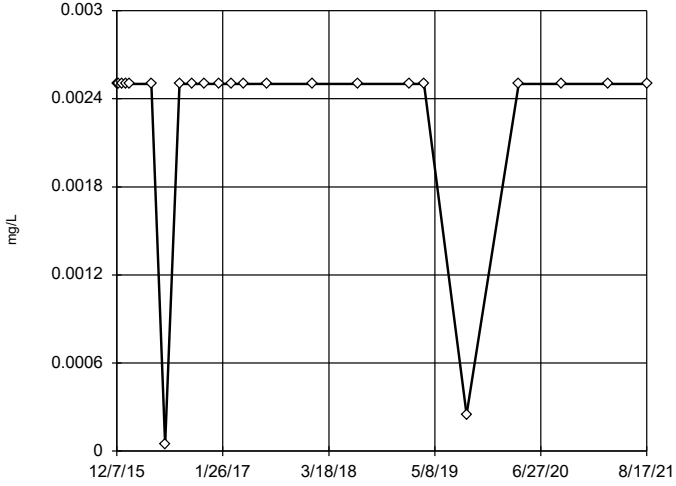
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

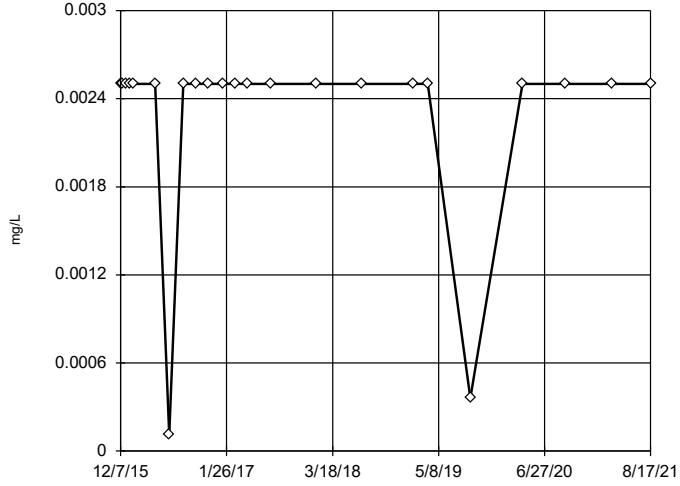
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found. Tukey's method selected by user.

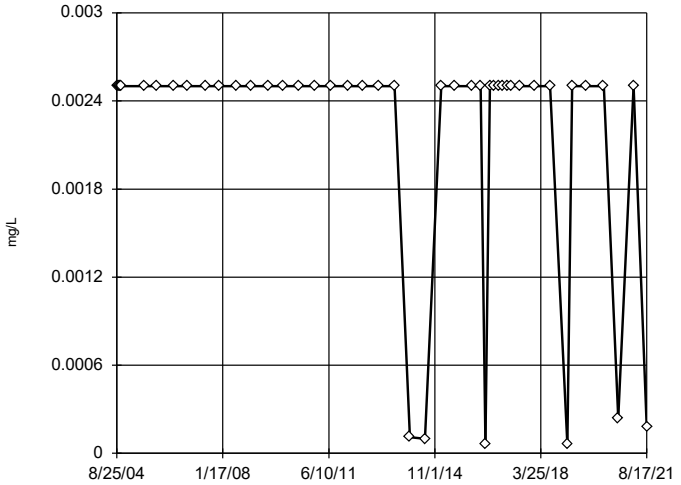
Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

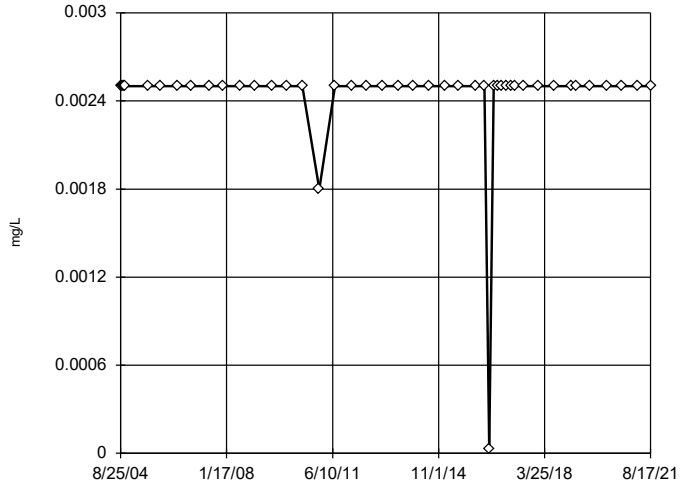
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

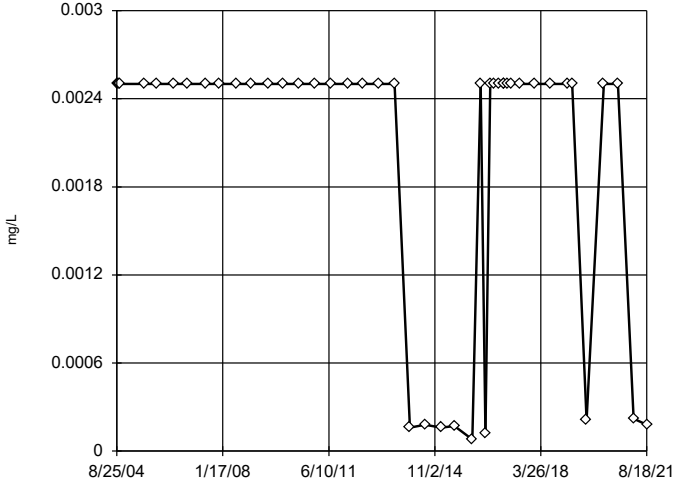
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

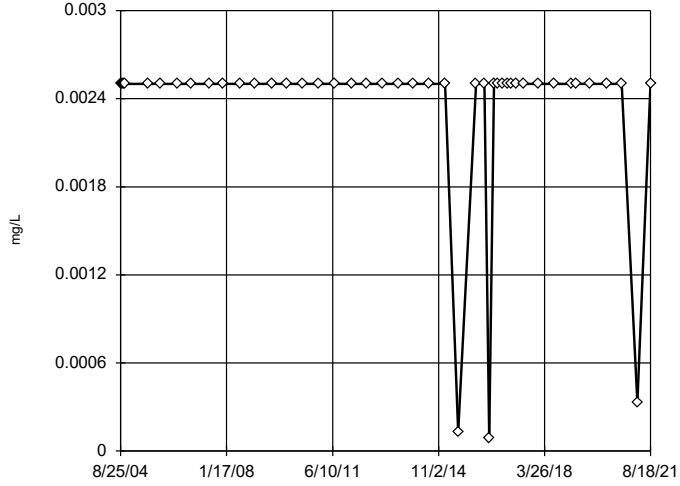
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found. Tukey's method selected by user.

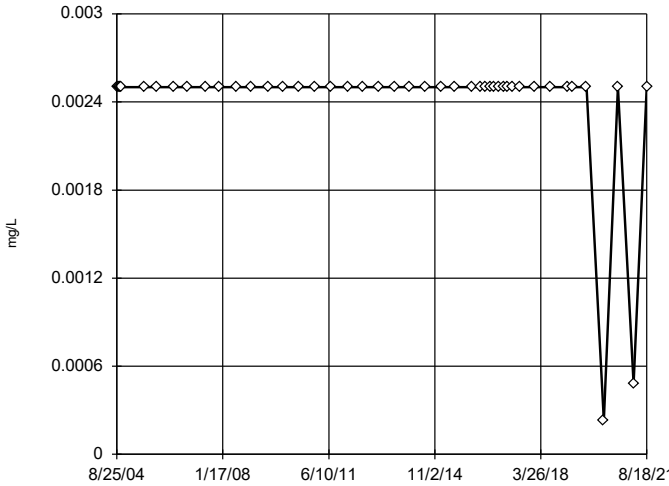
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-11



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

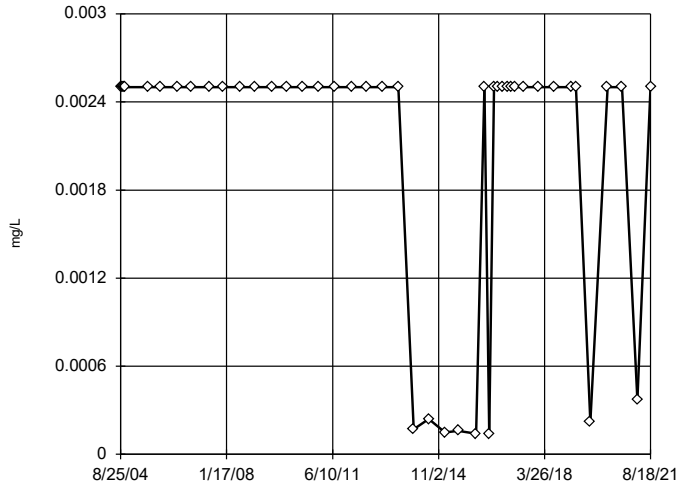
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

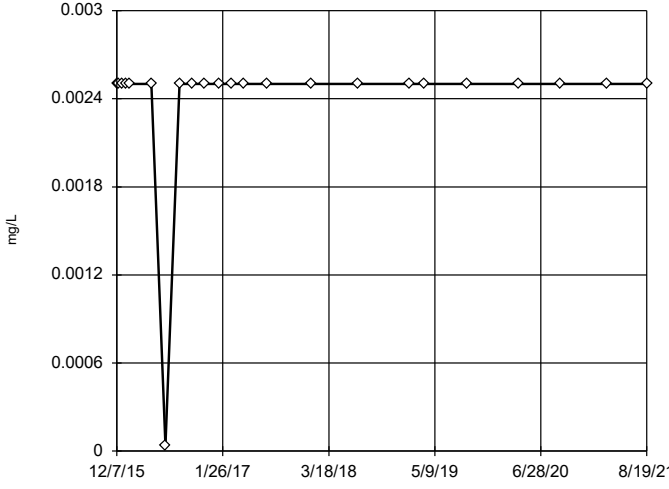
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

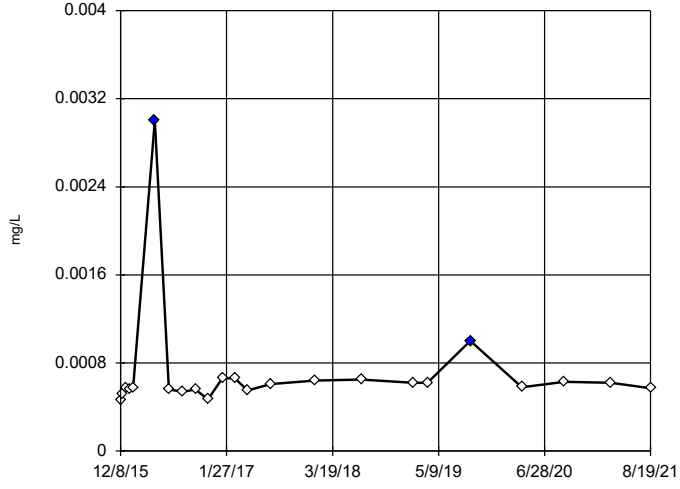
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

Outliers are drawn as solid.
Tukey's method selected by user.

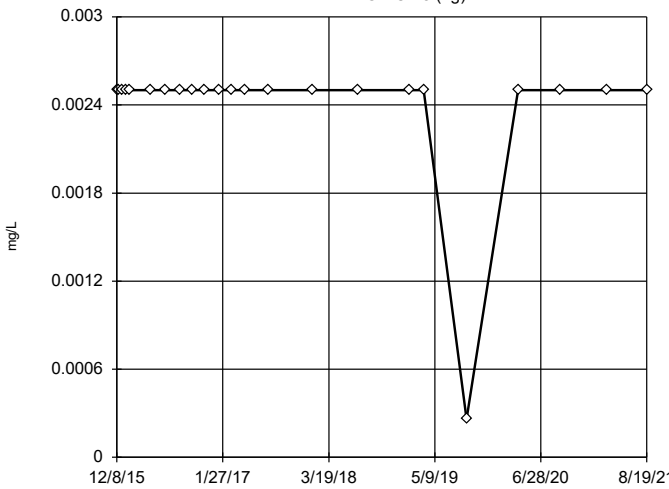
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0009553, low cutoff = 0.0003752, based on IQR multiplier of 3.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

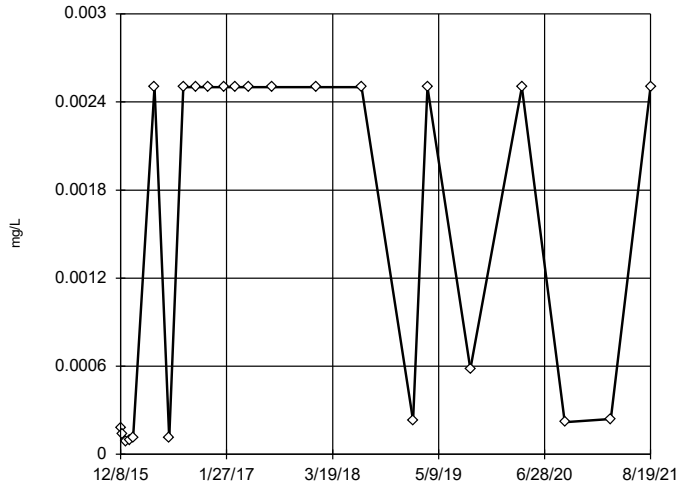
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

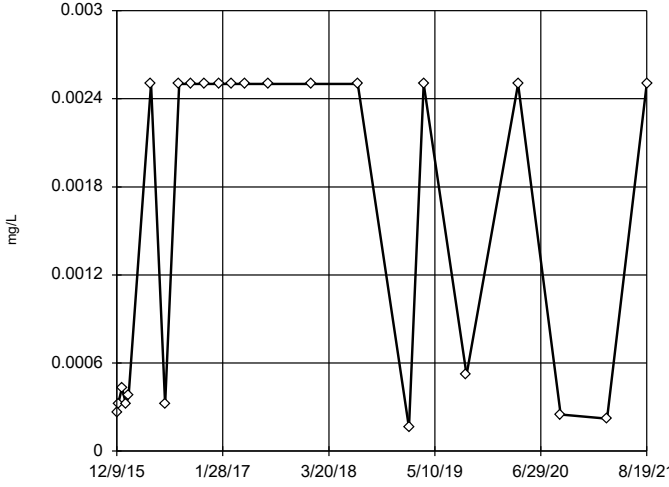
High cutoff = 6.698, low cutoff = 6.7e-8, based on IQR multiplier of 3.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

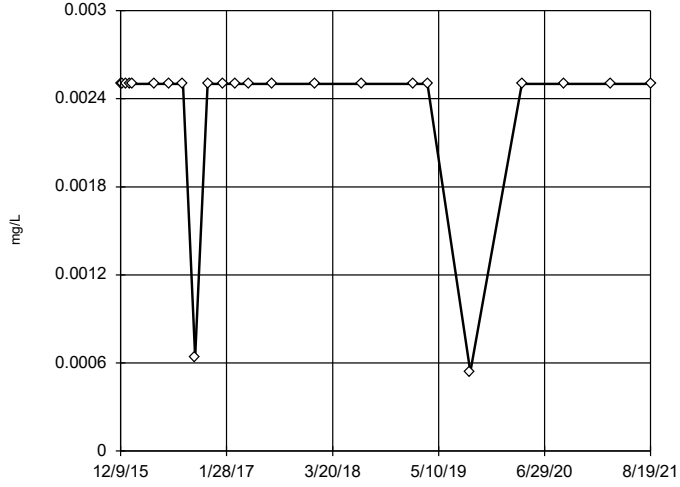
High cutoff = 1.192, low cutoff = 6.7e-7, based on IQR multiplier of 3.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

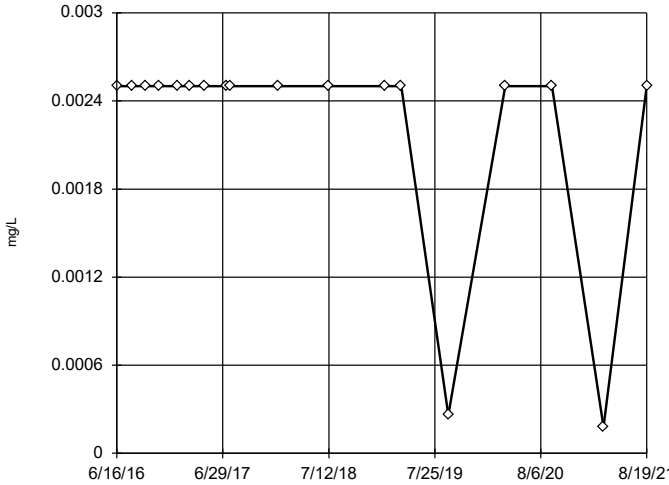
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

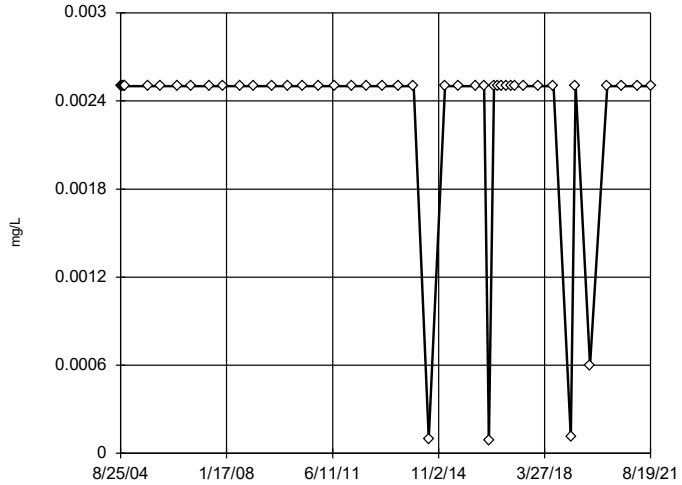
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

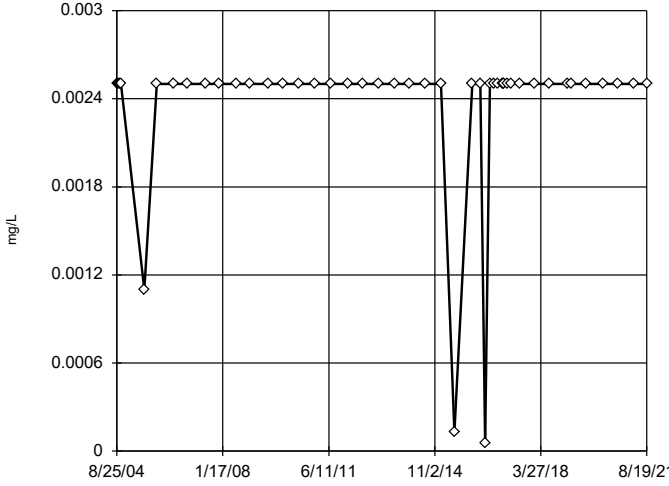
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

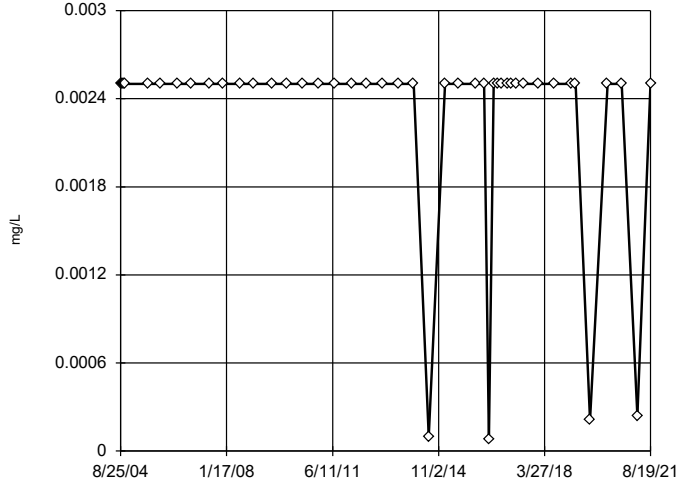
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

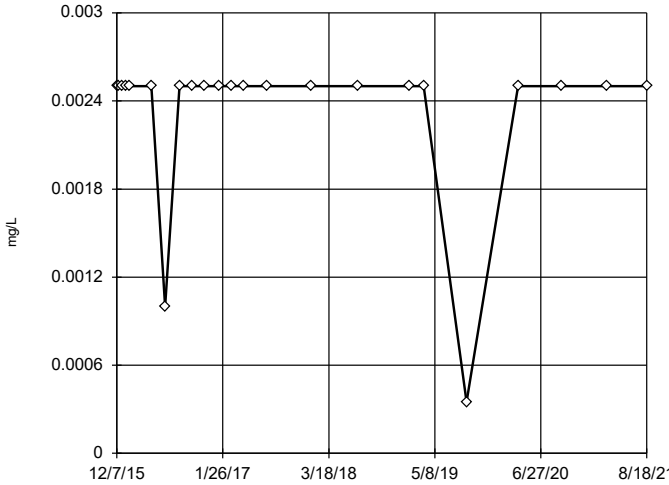
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 8/2/2022 3:57 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-13 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

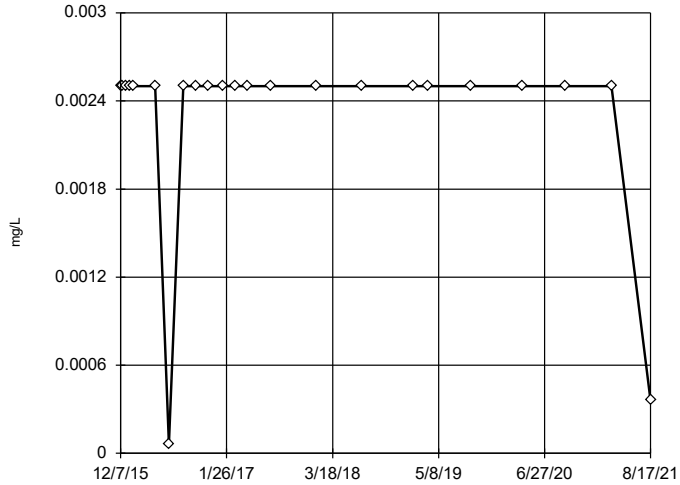
Constituent: Cadmium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

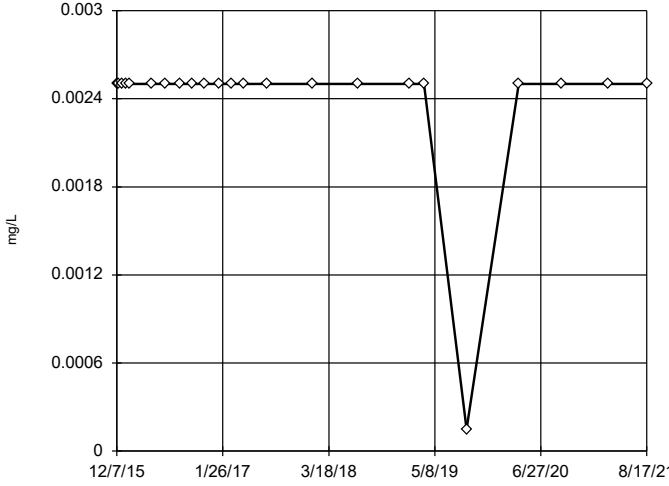
Constituent: Cadmium Analysis Run 8/2/2022 3:57 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

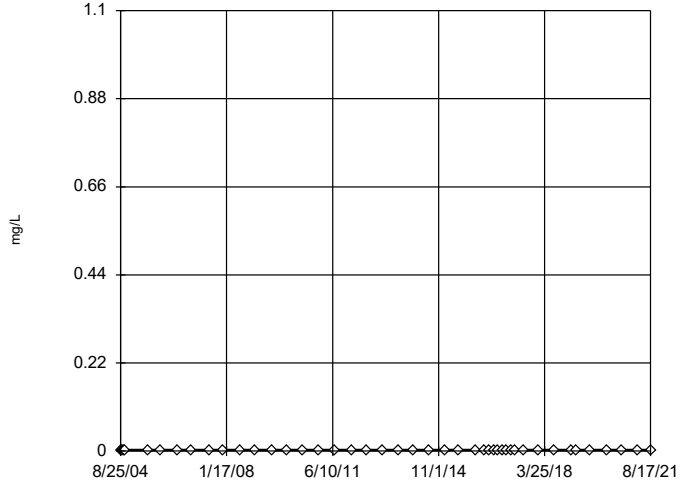
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

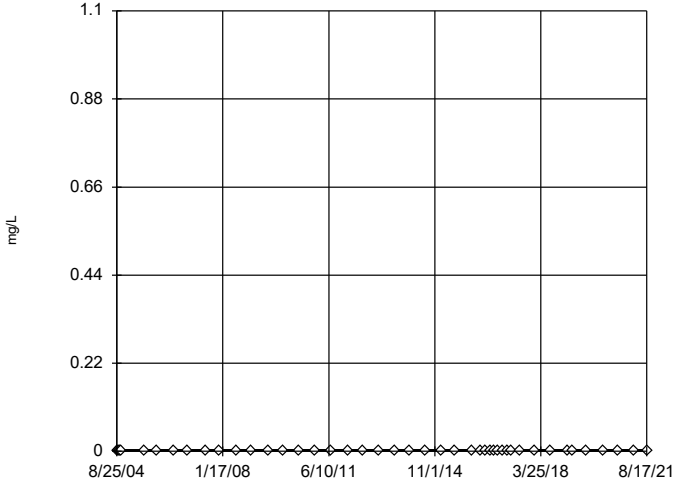
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

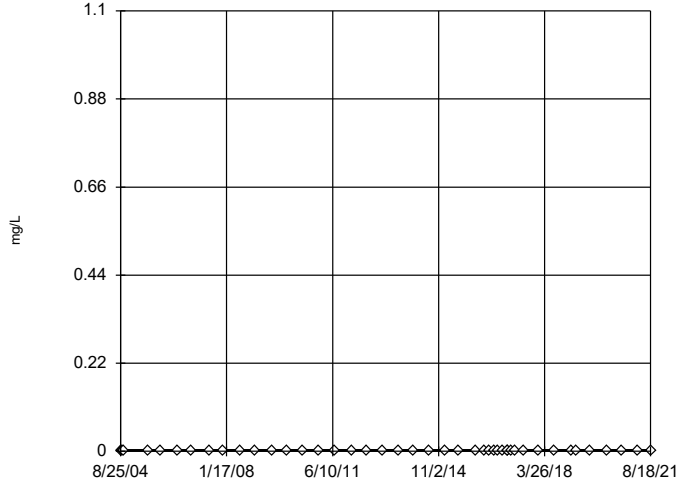
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

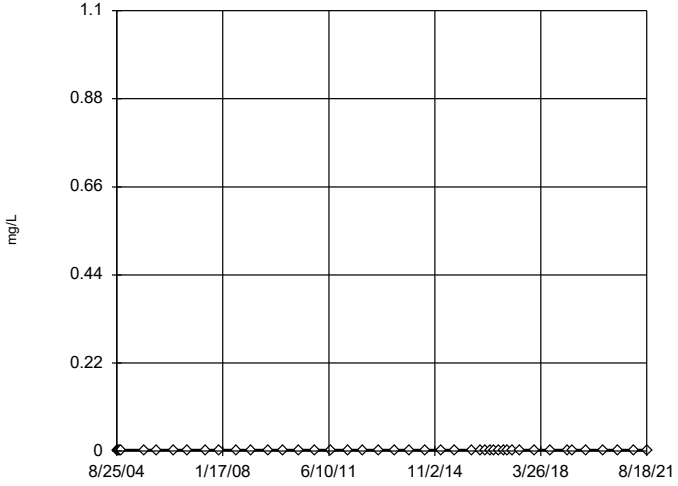
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

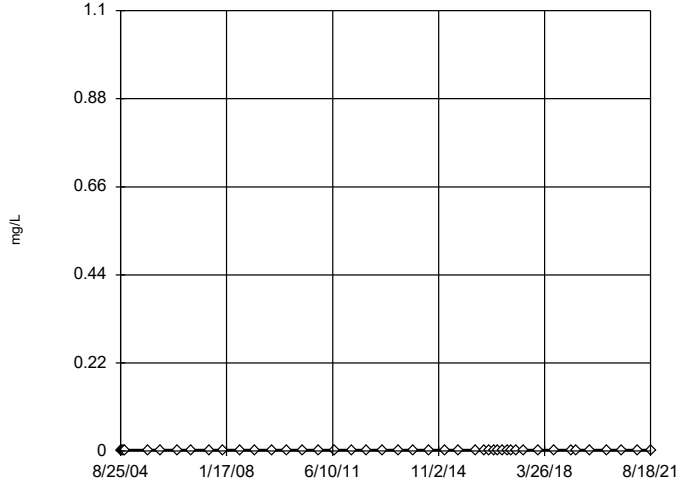
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

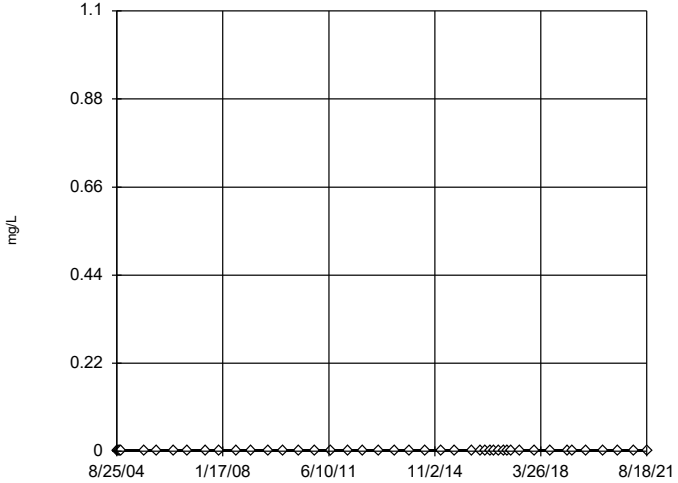
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

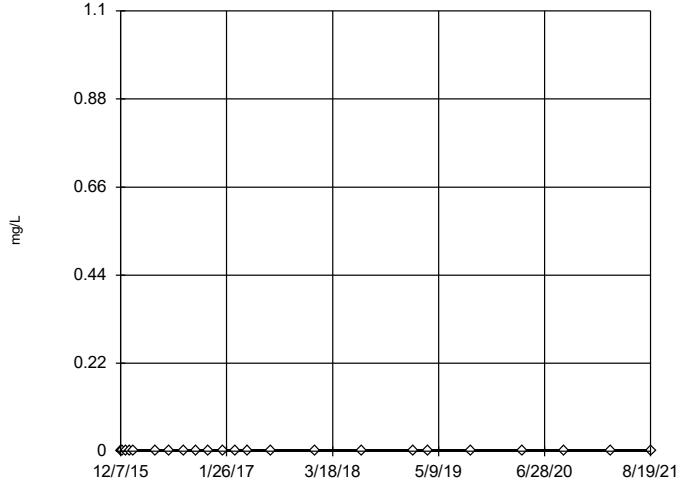
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

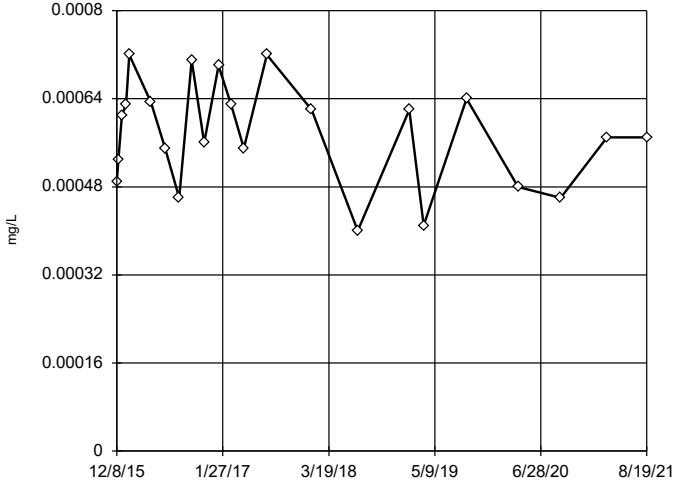
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

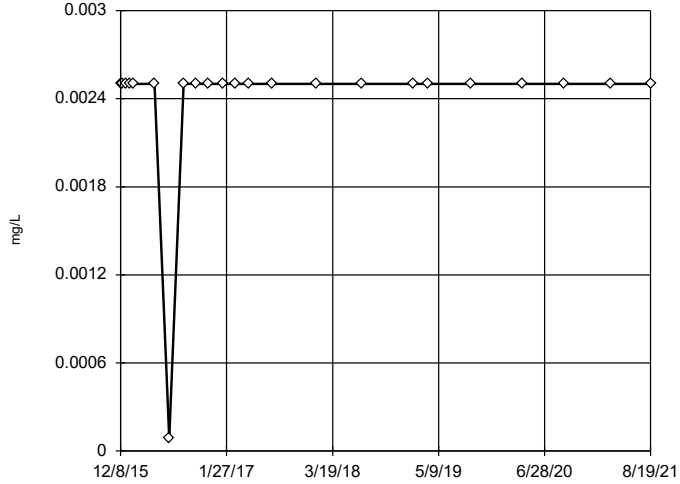
High cutoff = 0.001062, low cutoff = 0.000061, based on IQR multiplier of 3.

Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

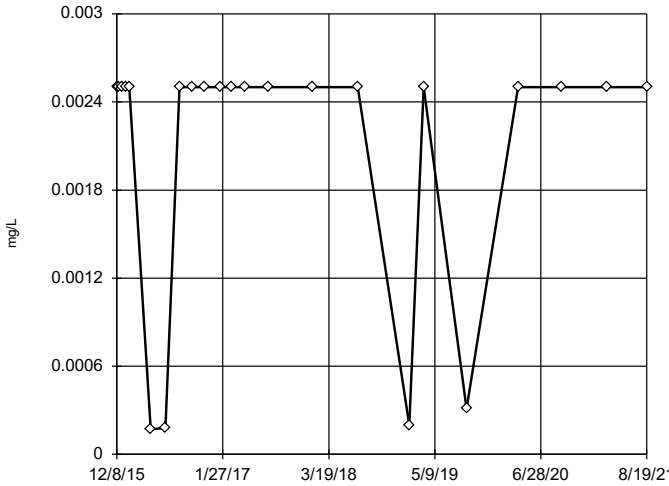
Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

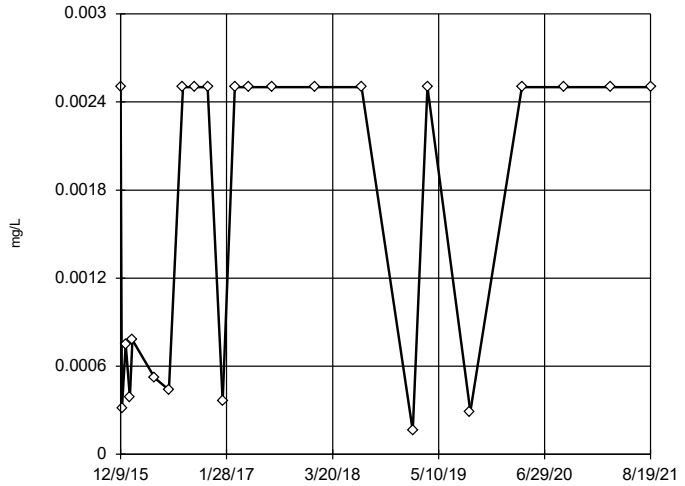
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.4586, low cutoff = 0.000002399, based on IQR multiplier of 3.

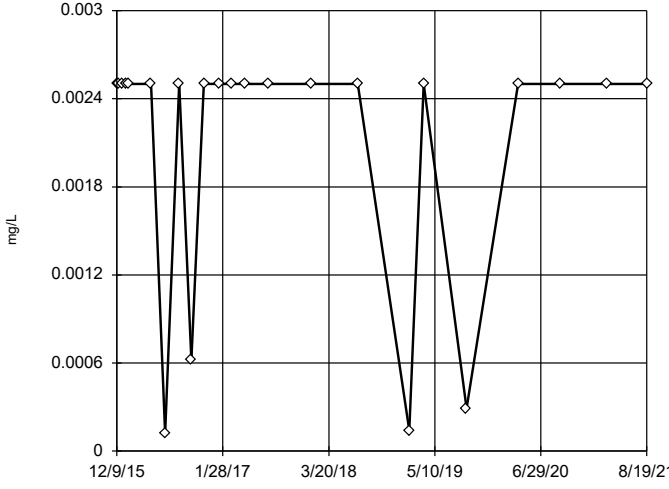
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

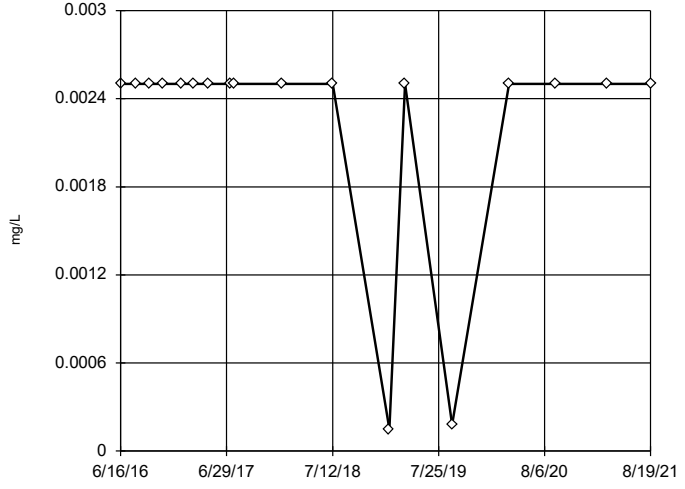
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

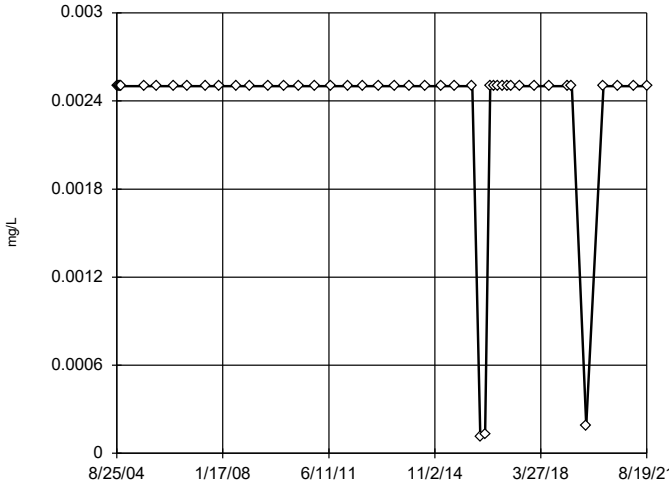
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

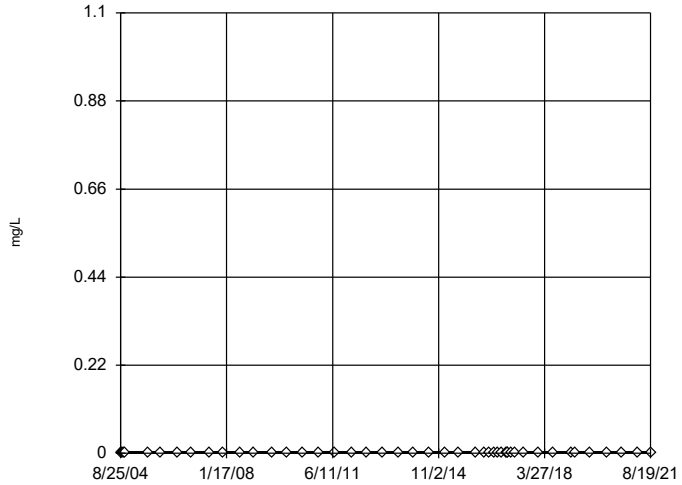
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

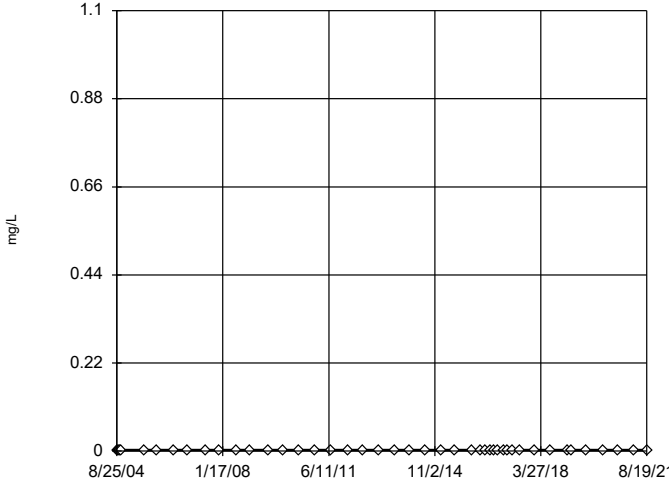
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

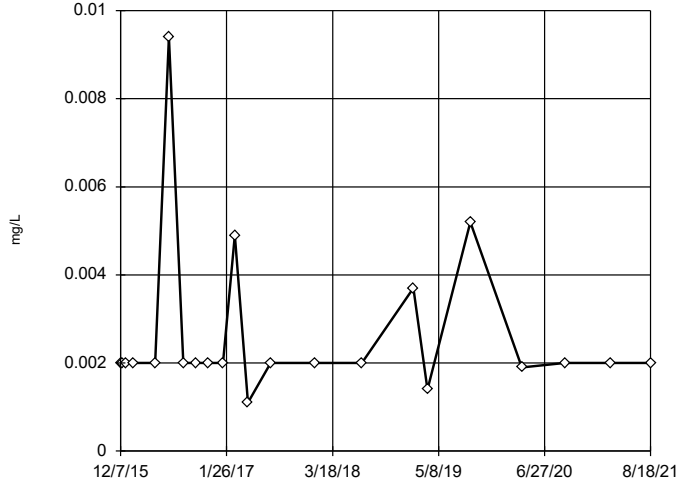
Constituent: Cadmium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

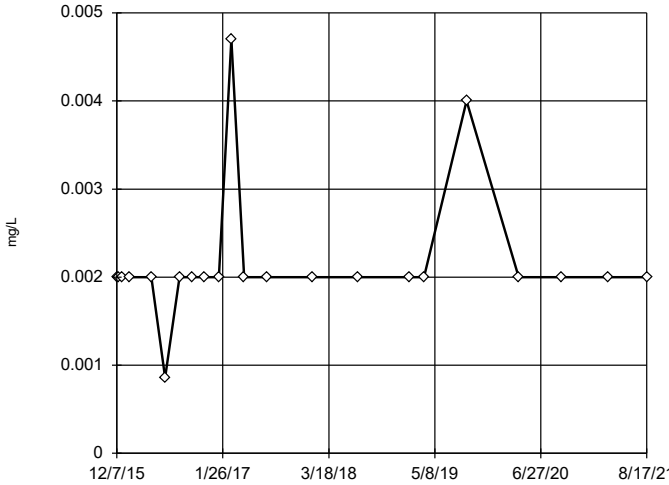
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-14 (bg)



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

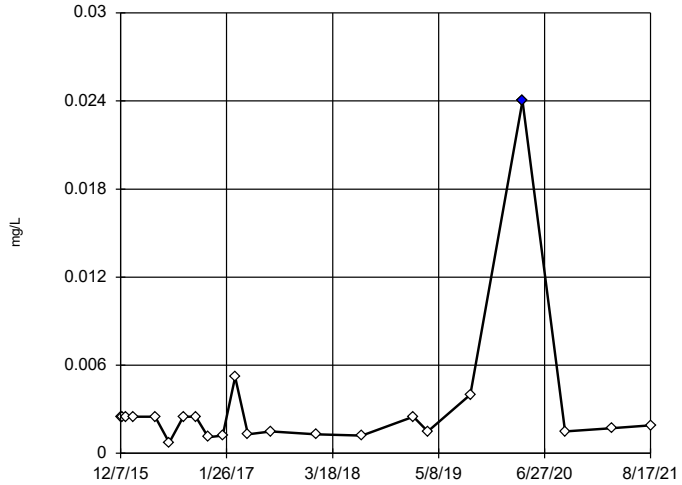
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 22

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01778, low cutoff = 0.0001828, based on IQR multiplier of 3.

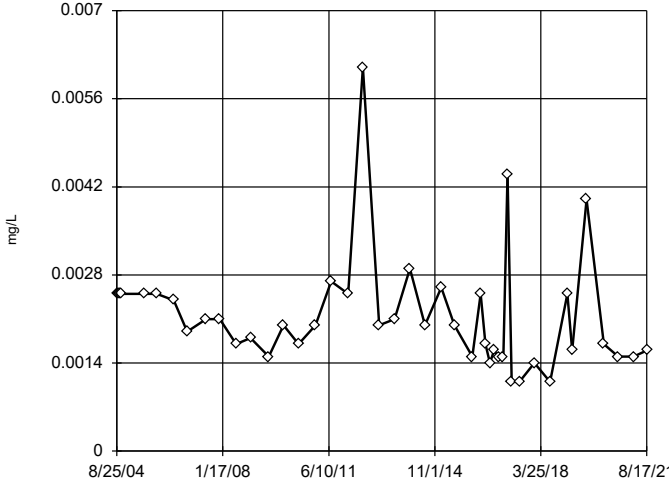
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01051, low cutoff = 0.0003686, based on IQR multiplier of 3.

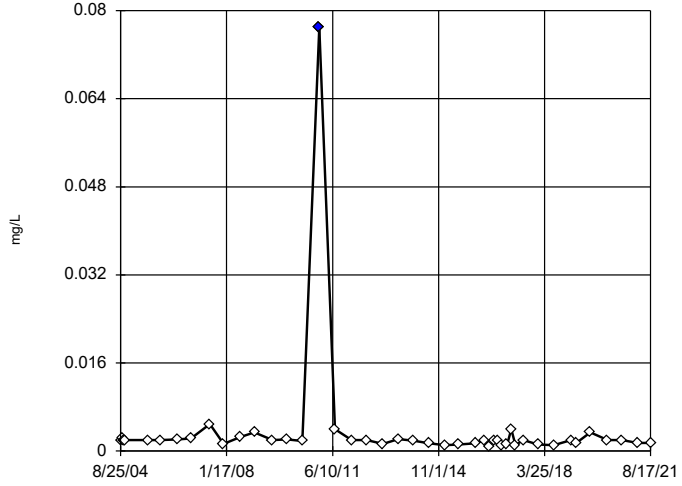
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

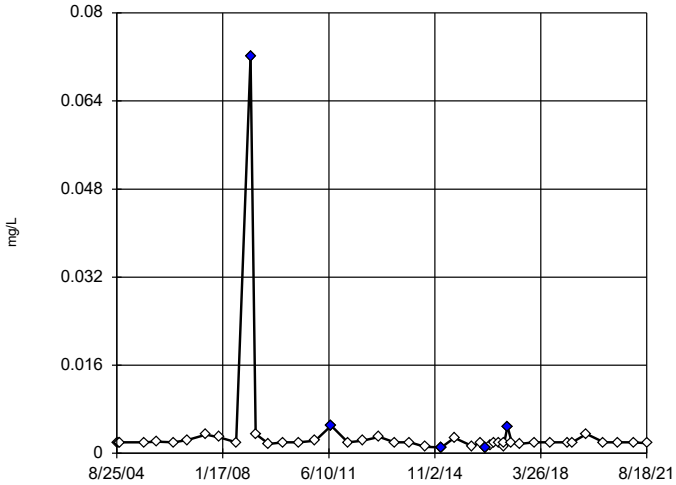
High cutoff = 0.007087, low cutoff = 0.0004148, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-1



n = 45

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

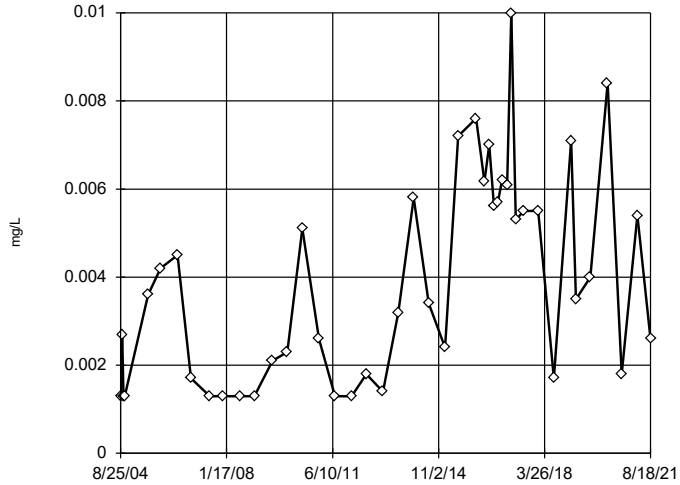
High cutoff = 0.003778, low cutoff = 0.001187, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

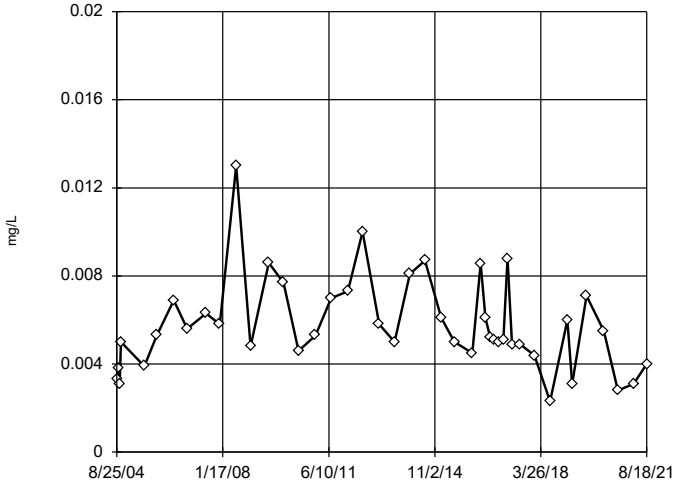
High cutoff = 0.03132, low cutoff = -0.003669, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 44

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

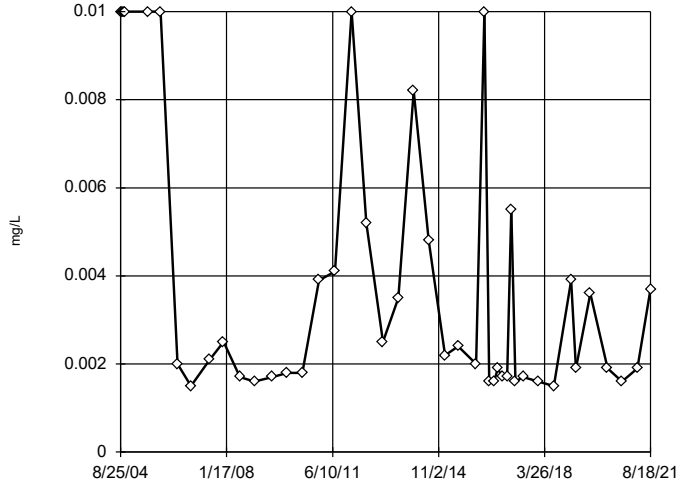
High cutoff = 0.02477, low cutoff = 0.001276, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found.
Tukey's method selected by user.

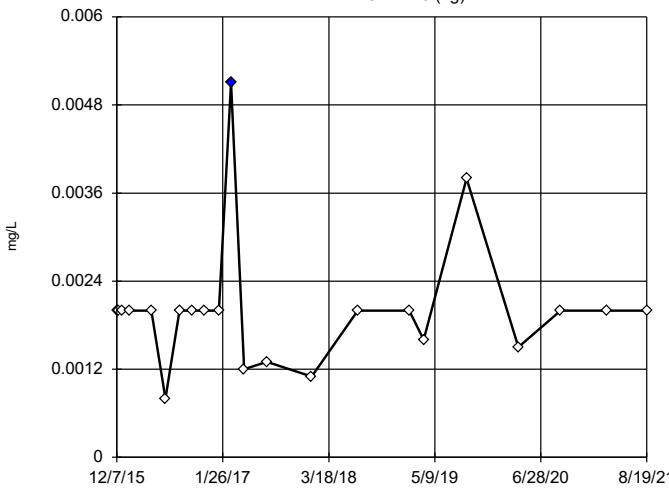
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1268, low cutoff = 0.00006698, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-15 (bg)



n = 22

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.004303, low cutoff = 0.00072, based on IQR multiplier of 3.

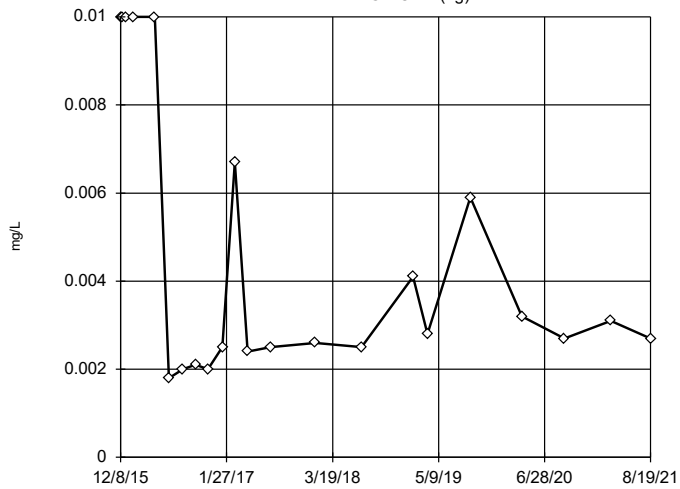
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.3054, low cutoff = 0.00006564, based on IQR multiplier of 3.

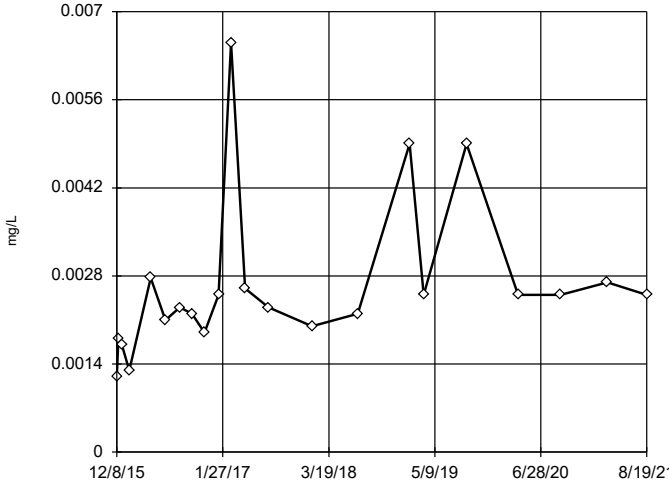
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.006653, low cutoff = 0.0007764, based on IQR multiplier of 3.

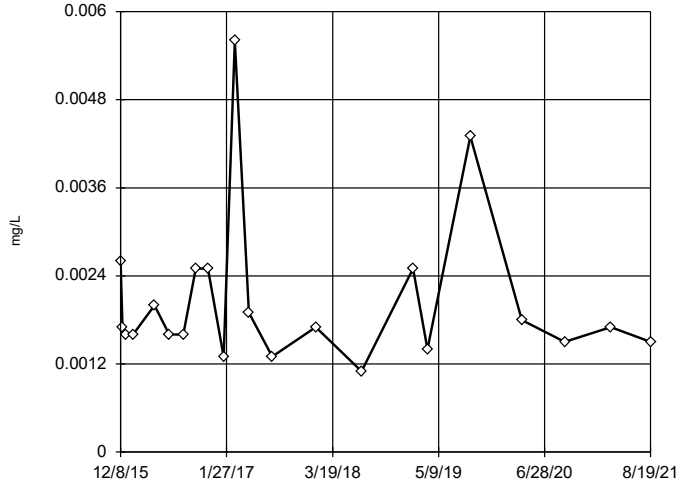
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

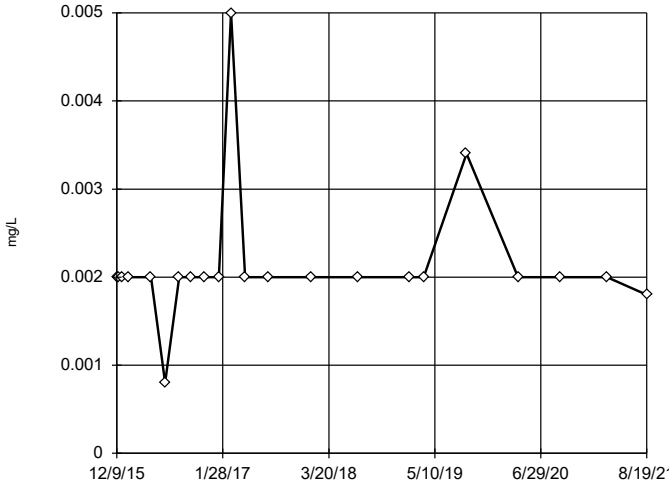
High cutoff = 0.01157, low cutoff = 0.000324, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-20



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

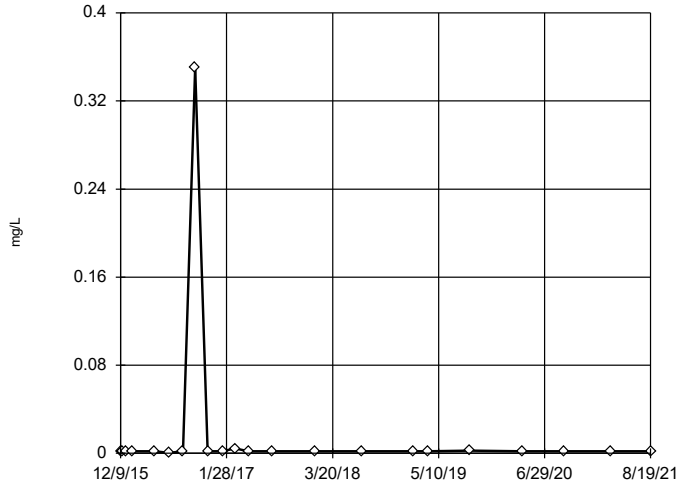
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

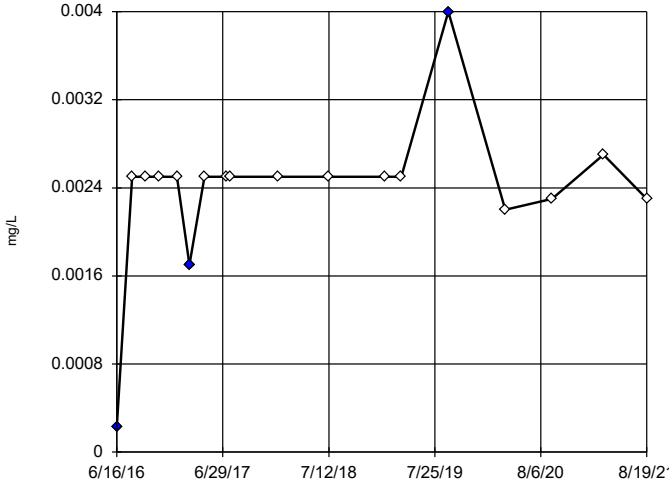
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.0031, low cutoff = 0.0017, based on IQR multiplier of 3.

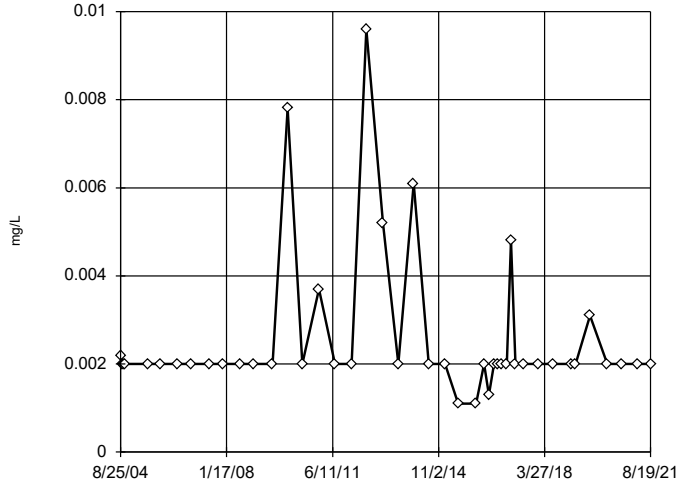
Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

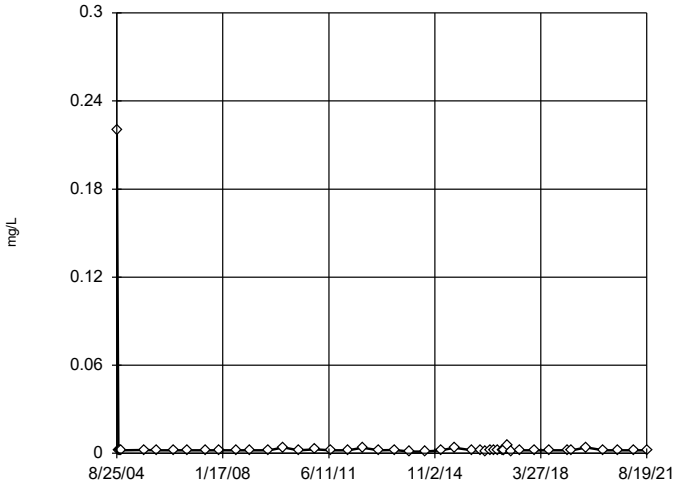
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

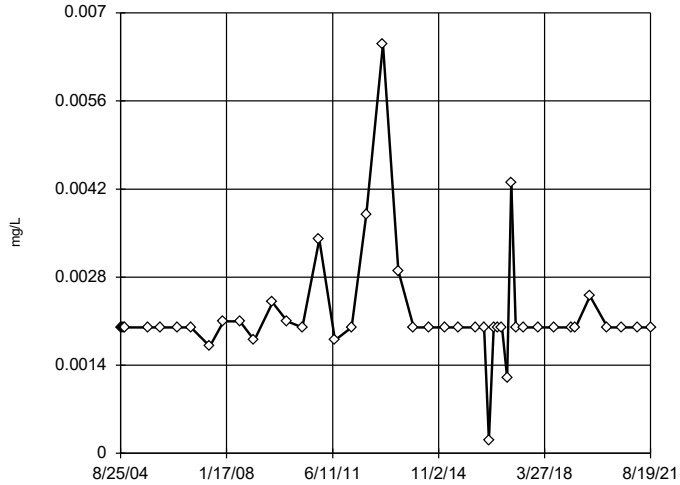
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

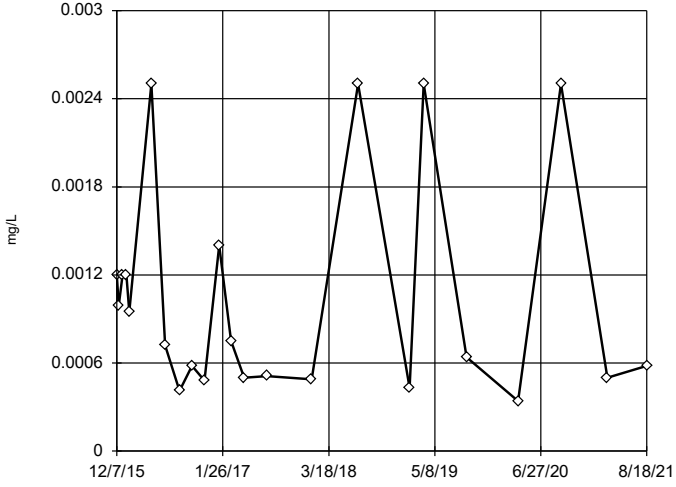
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

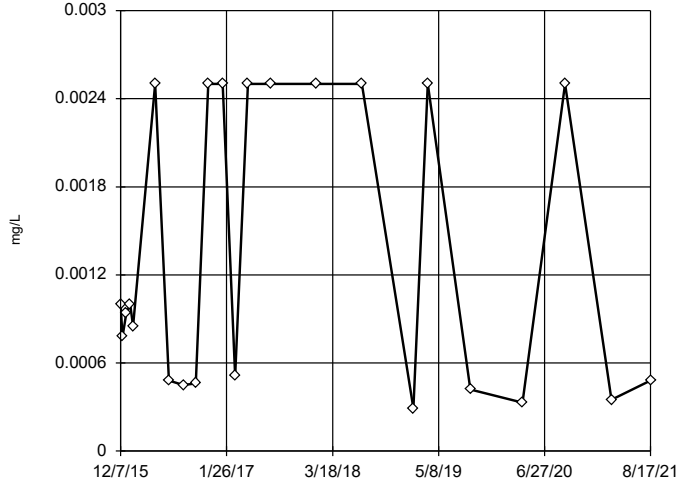
High cutoff = 0.01659, low cutoff = 0.00003617, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

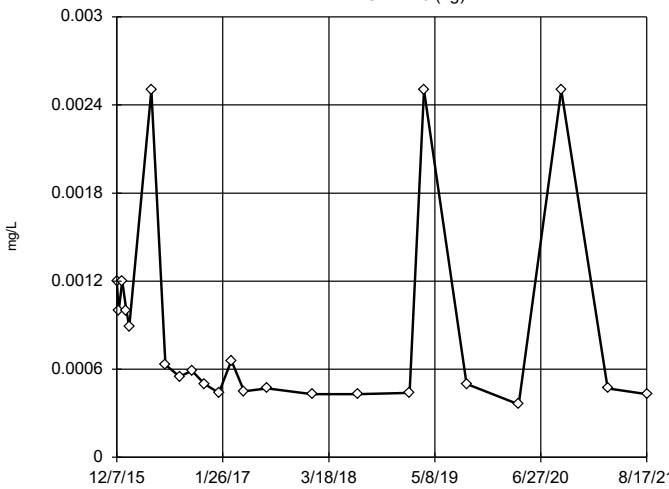
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.4013, low cutoff = 0.000002866, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01174, low cutoff = 0.00003748, based on IQR multiplier of 3.

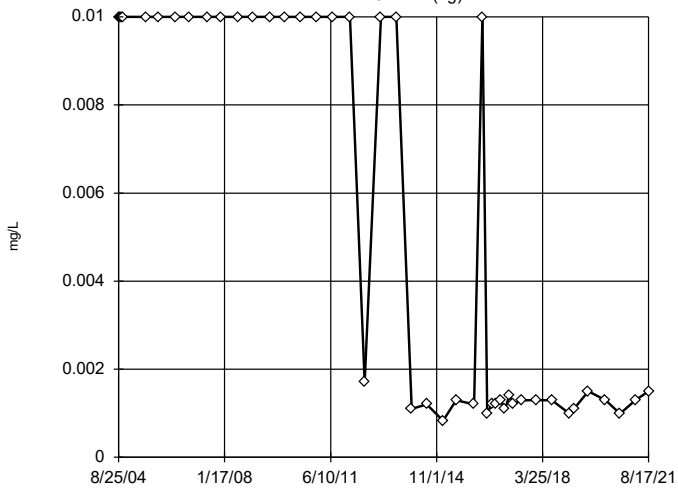
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 5.787, low cutoff = 0.000002074, based on IQR multiplier of 3.

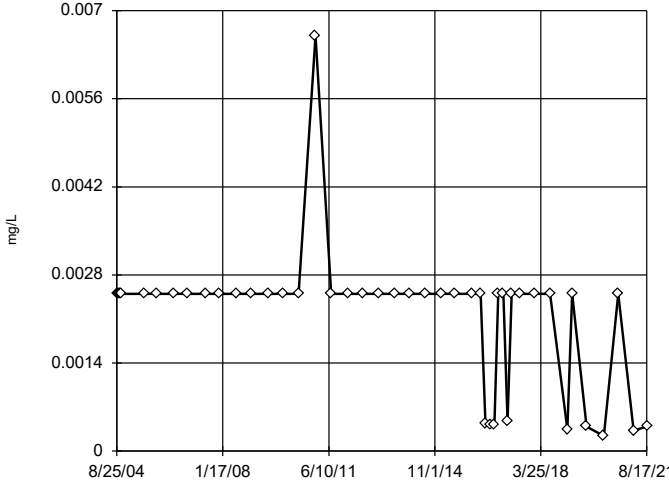
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

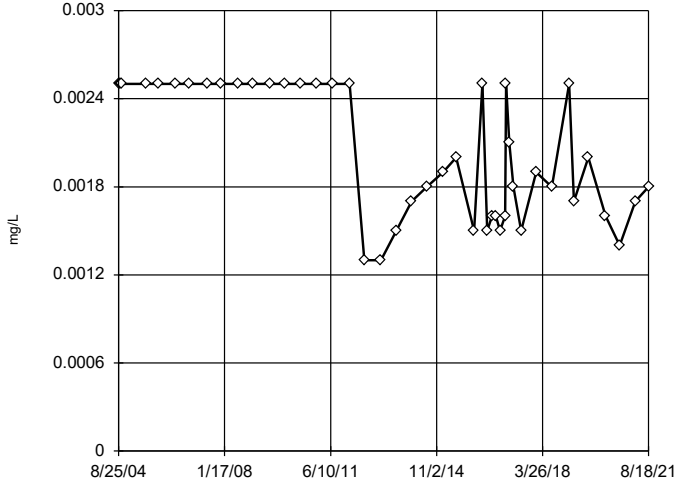
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

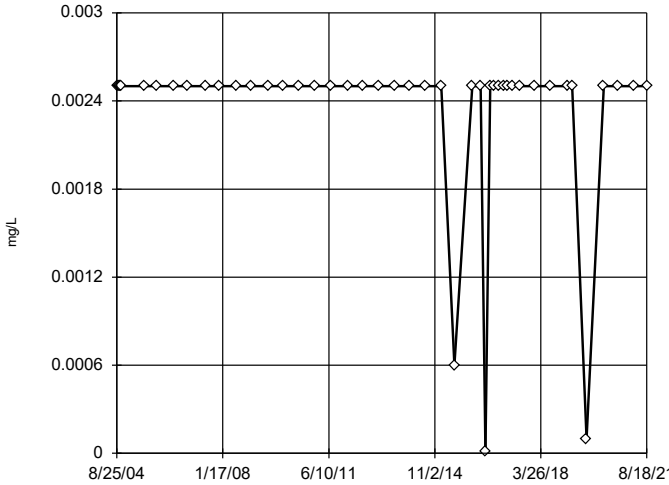
High cutoff = 0.009537, low cutoff = 0.0004194, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

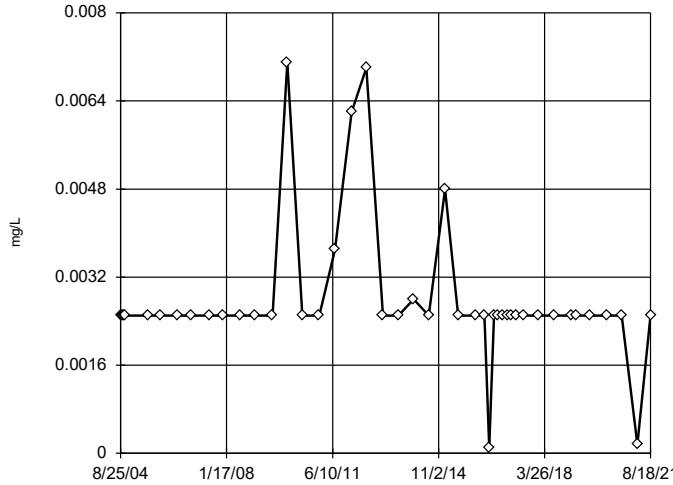
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

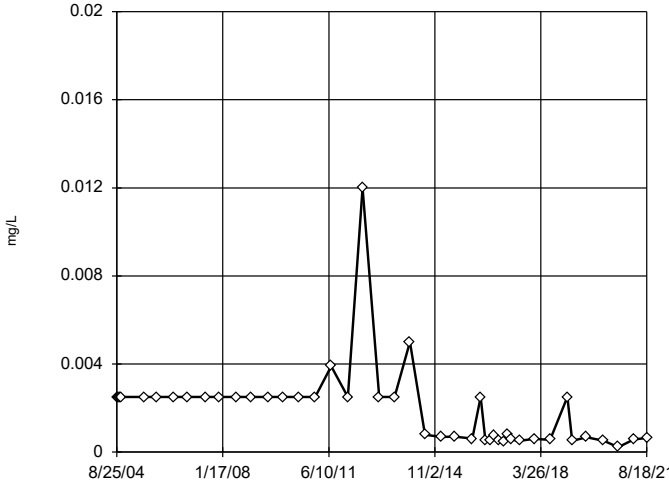
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1903, low cutoff = 0.000007751, based on IQR multiplier of 3.

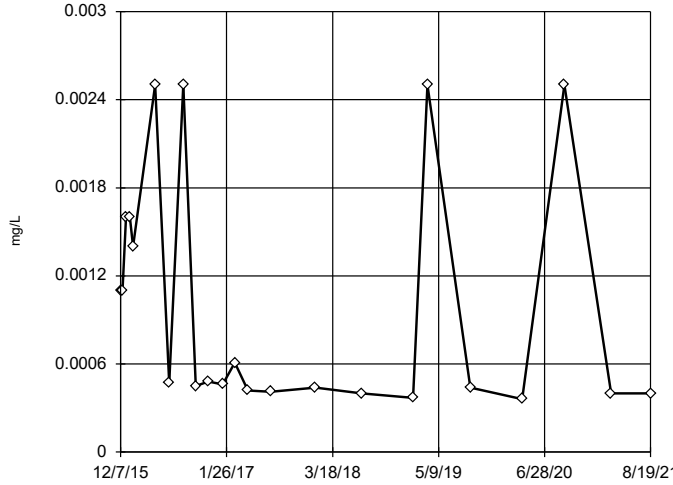
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

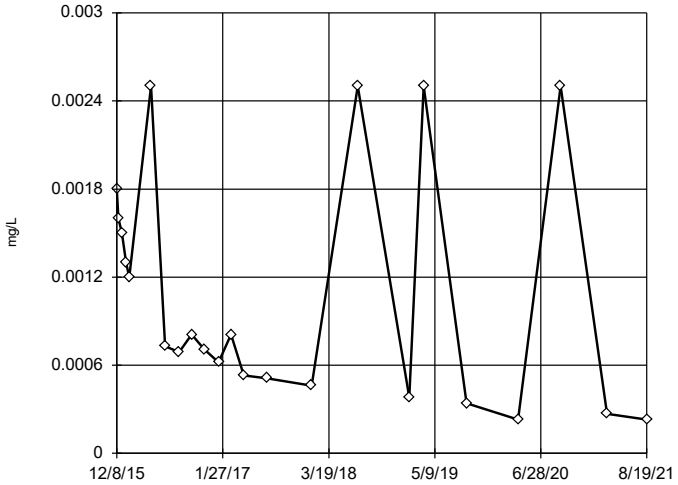
High cutoff = 0.09509, low cutoff = 0.000006899, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.06733, low cutoff = 0.00001093, based on IQR multiplier of 3.

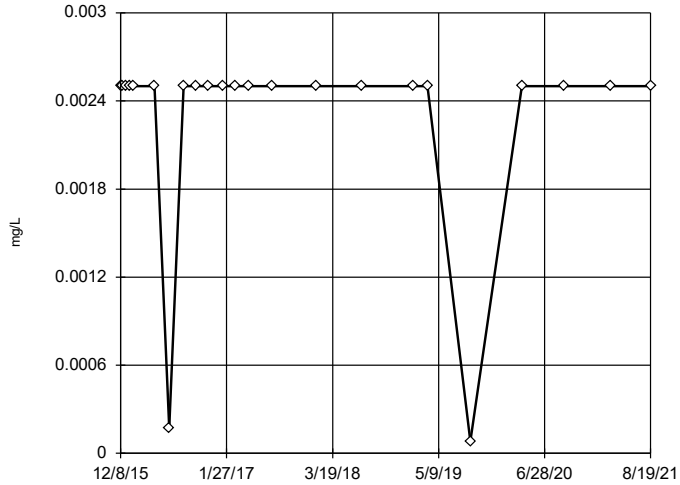
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

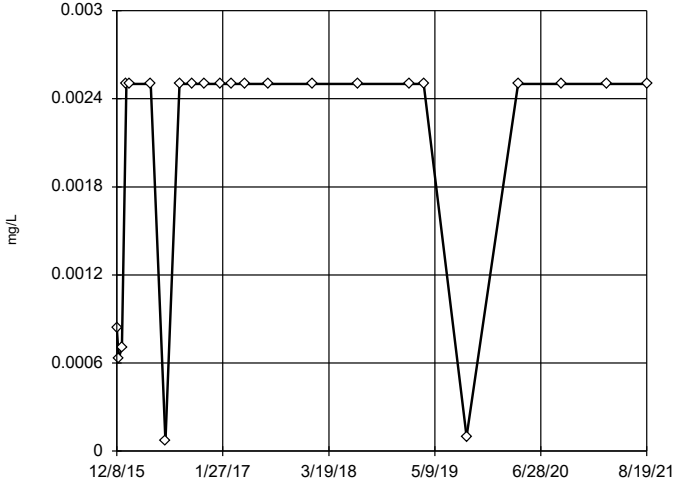
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

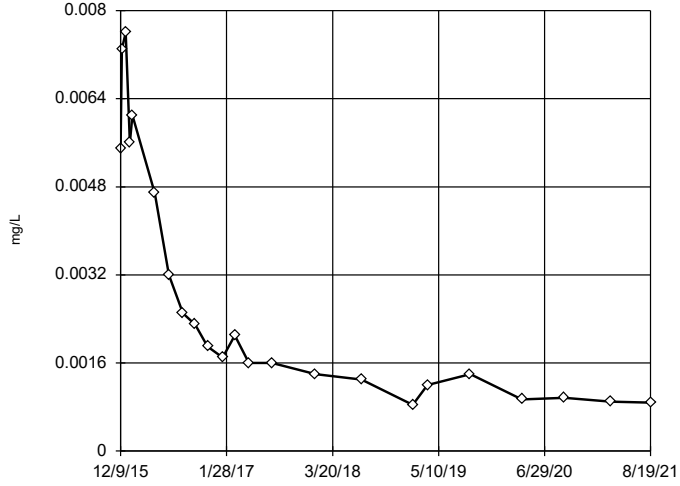
Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

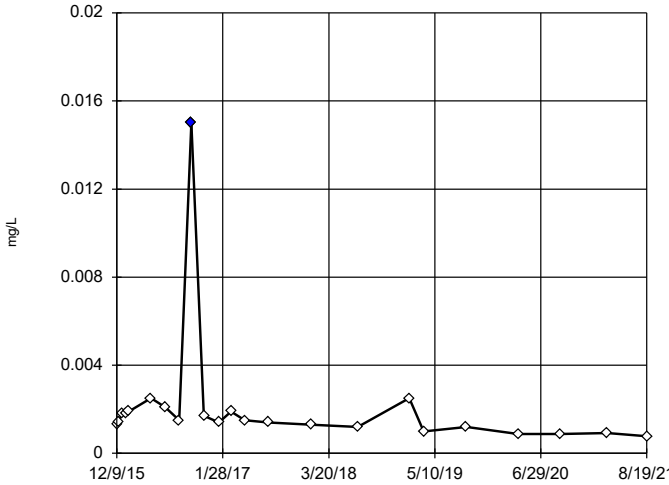
High cutoff = 0.2776, low cutoff = 0.00002023, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-21



n = 23

Outlier is drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

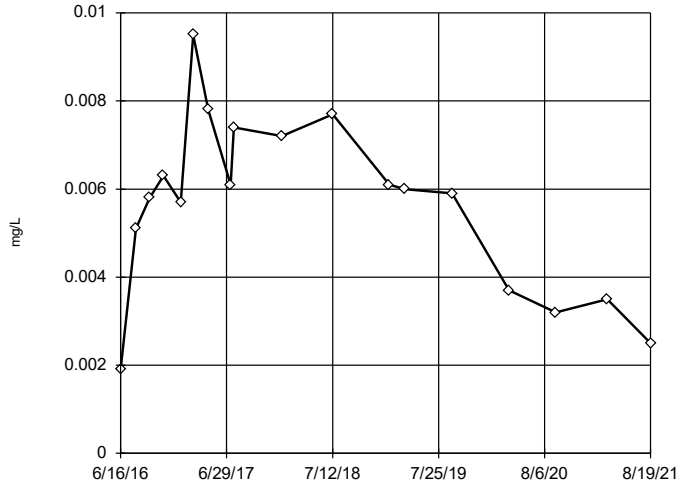
High cutoff = 0.007542, low cutoff = 0.0003023, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

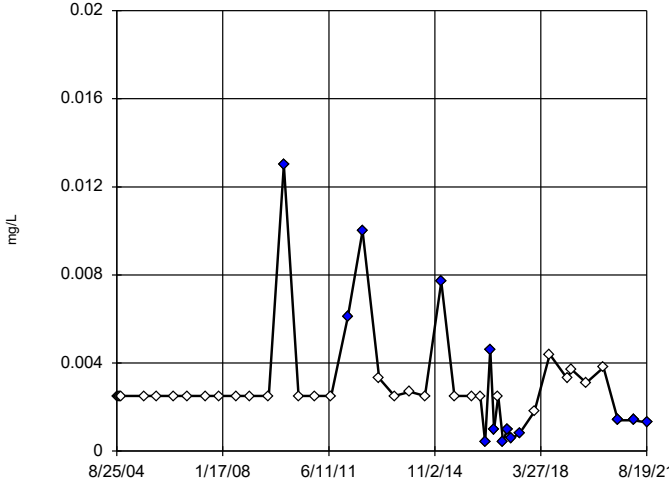
High cutoff = 0.0184, low cutoff = -0.0075, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

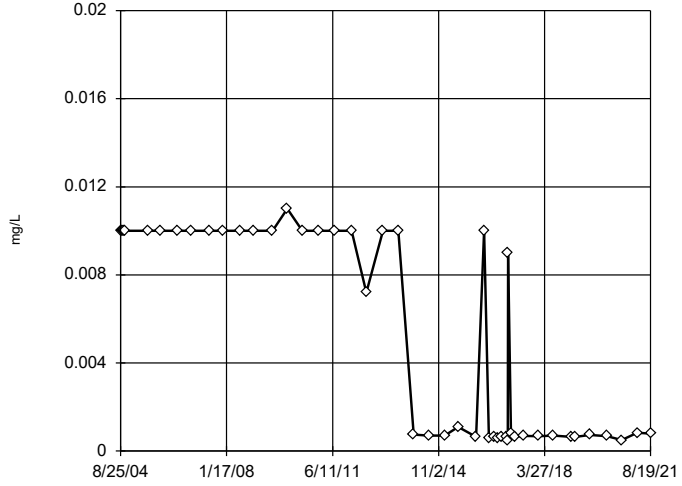
High cutoff = 0.004484, low cutoff = 0.001613, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found.
Tukey's method selected by user.

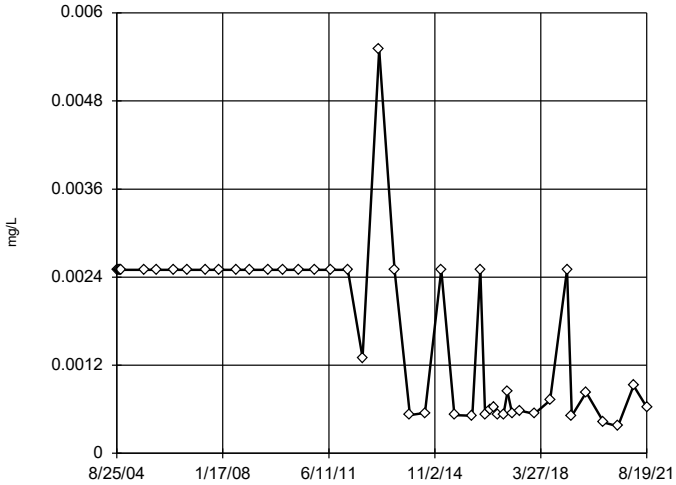
Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

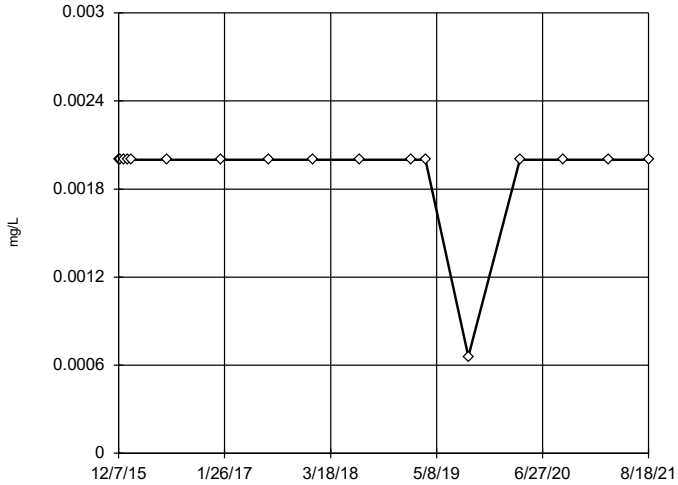
High cutoff = 0.2348, low cutoff = 0.000005856, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

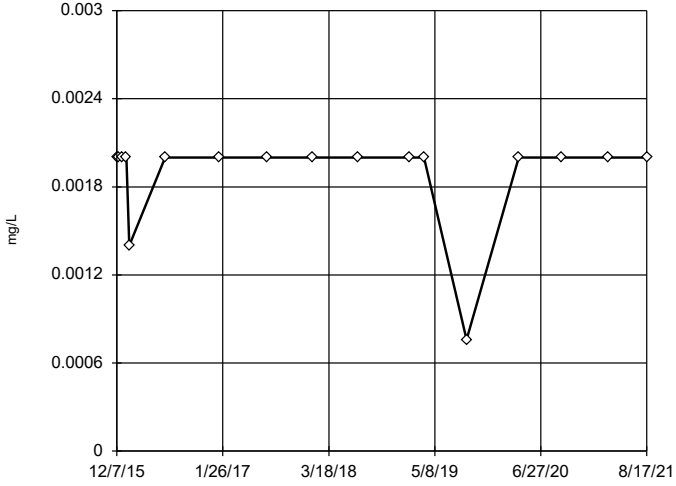
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

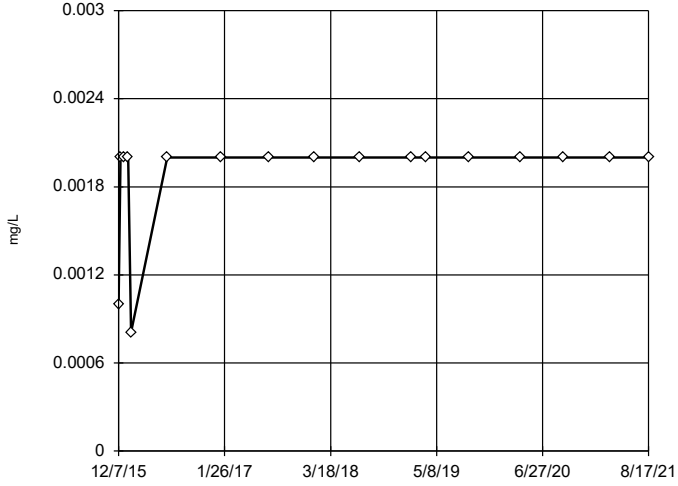
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 17

No outliers found. Tukey's method selected by user.

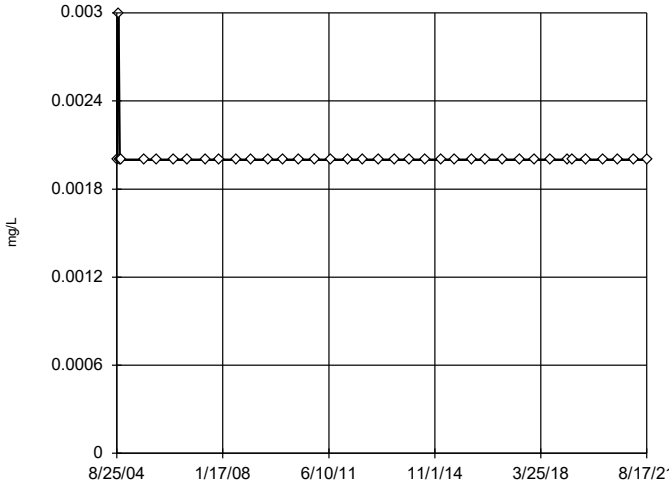
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-2 (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

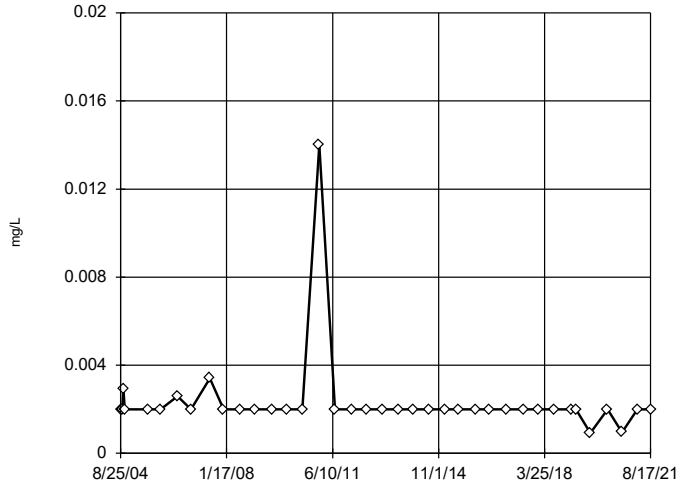
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

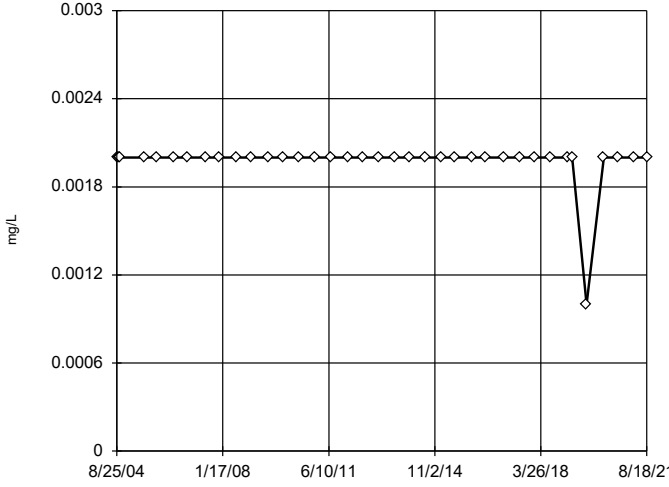
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 37

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

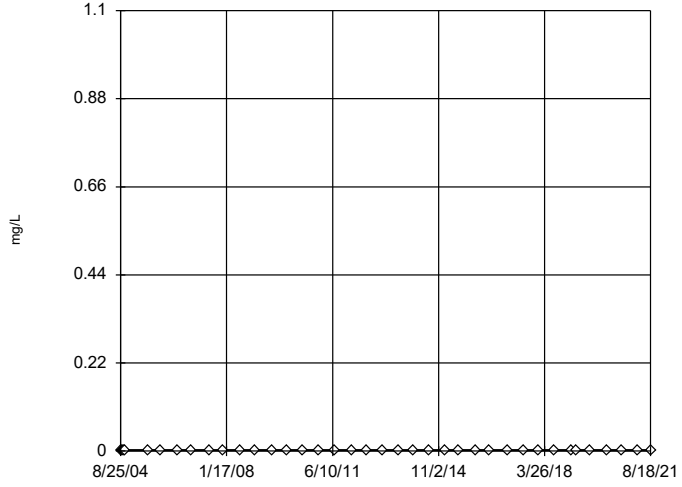
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

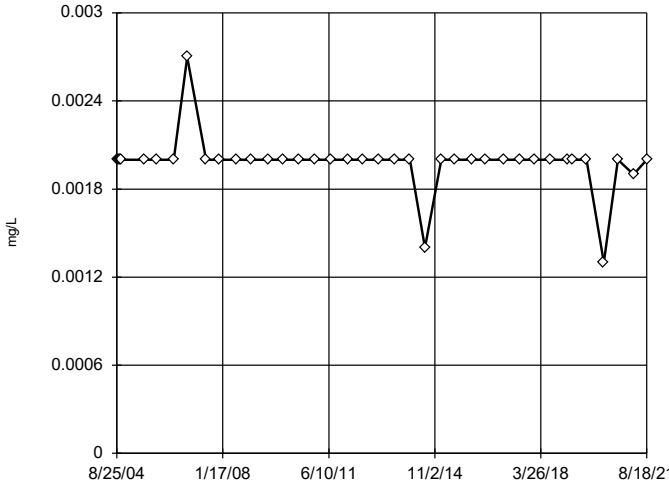
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-11



n = 38

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

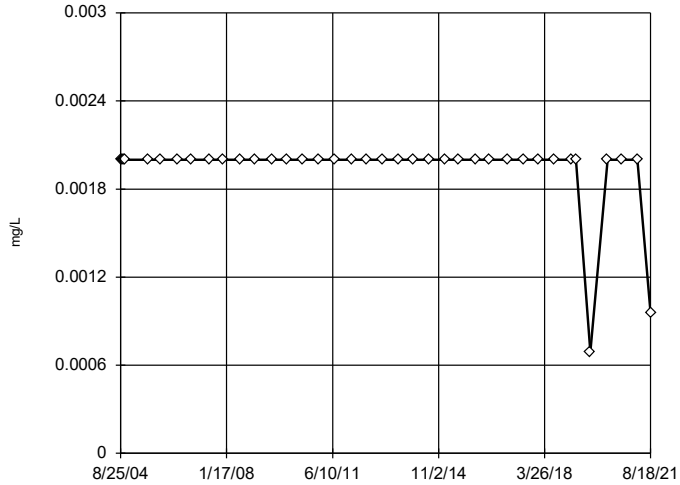
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

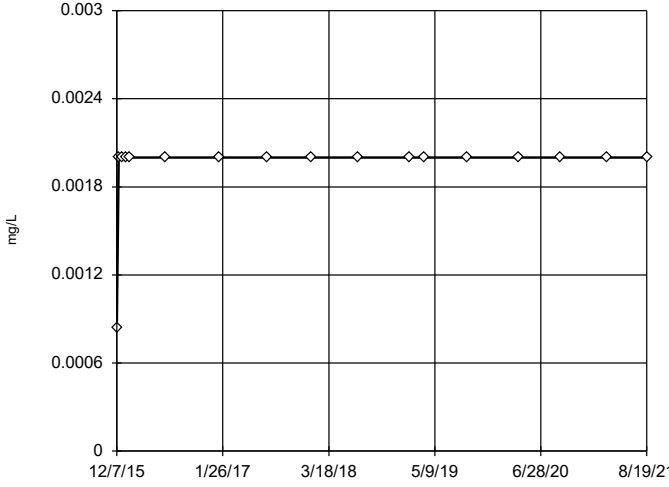
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

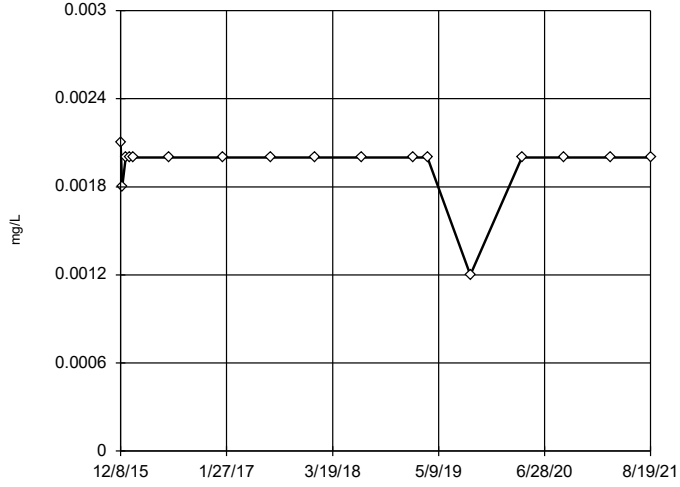
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

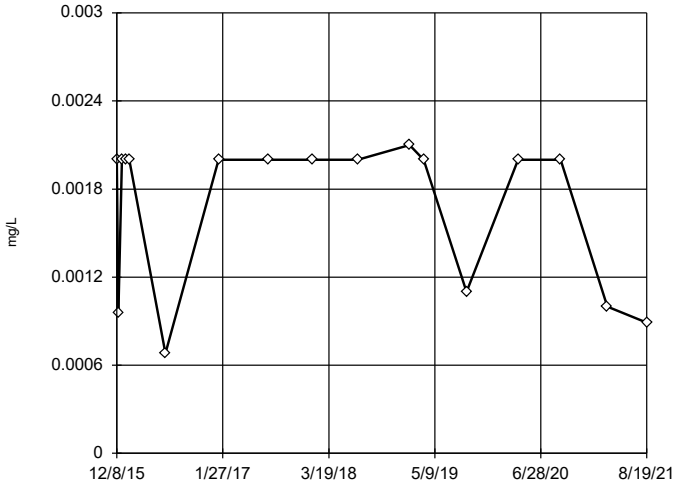
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-18 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because both the lower and upper quartiles represent reporting limits.

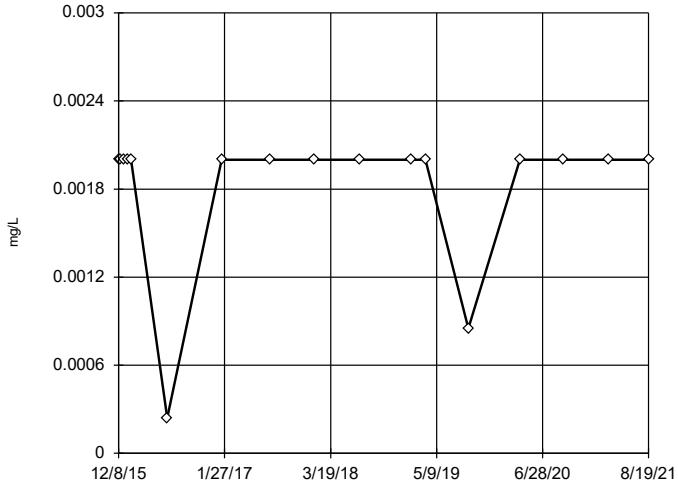
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 17

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

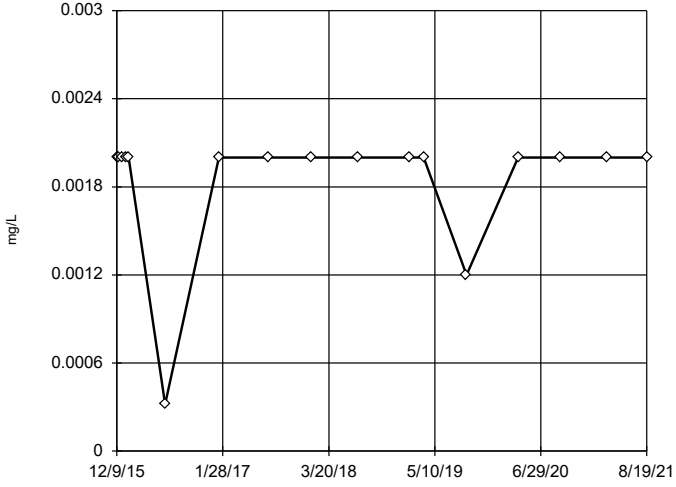
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 17

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

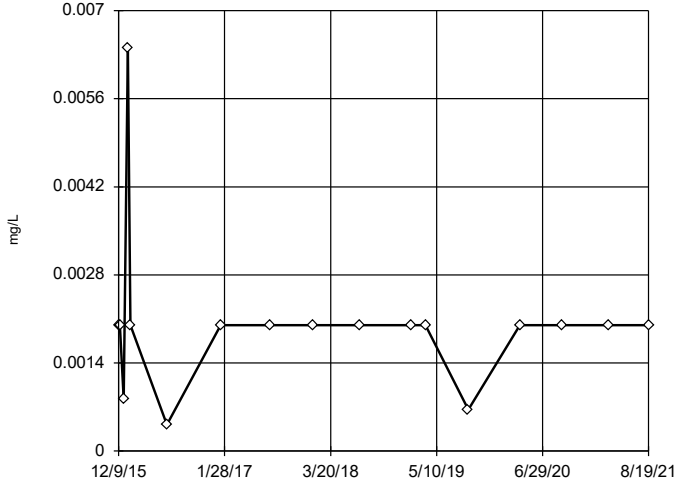
Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

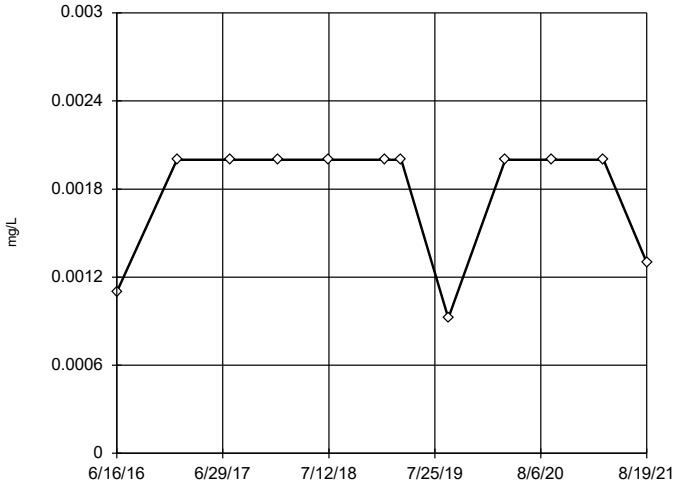
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-23



n = 12

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

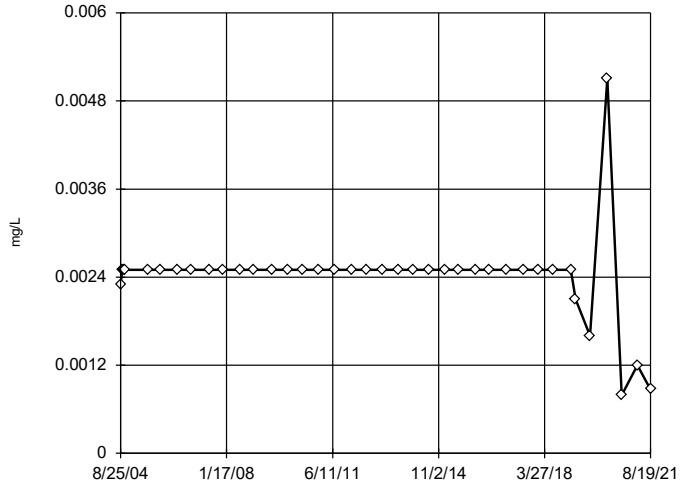
High cutoff = 0.003816, low cutoff = 0.000845, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

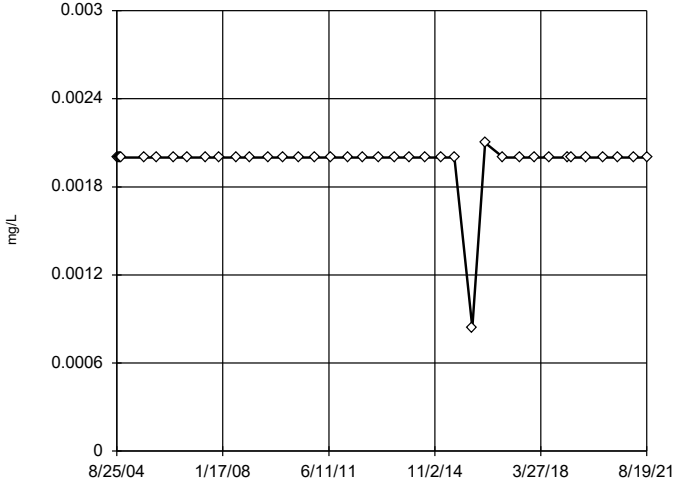
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

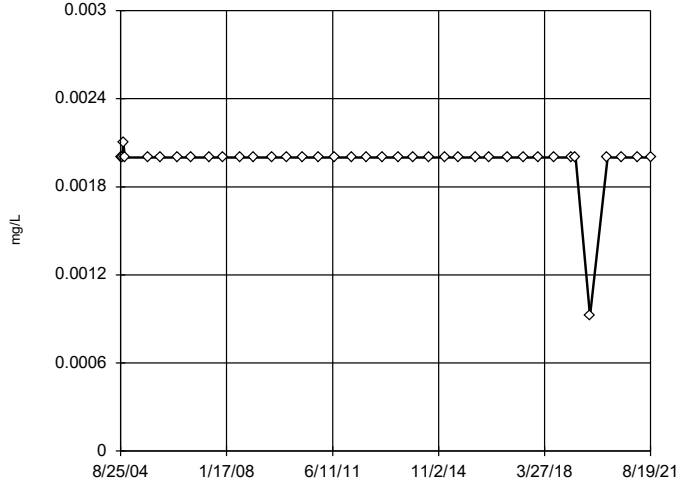
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 38

No outliers found. Tukey's method selected by user.

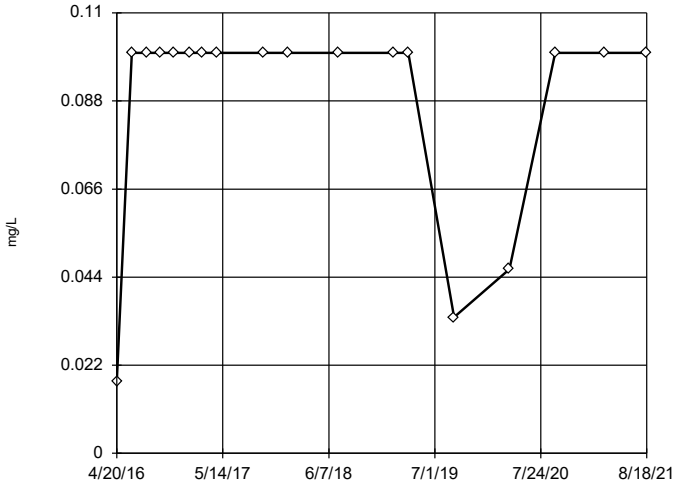
Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-13 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

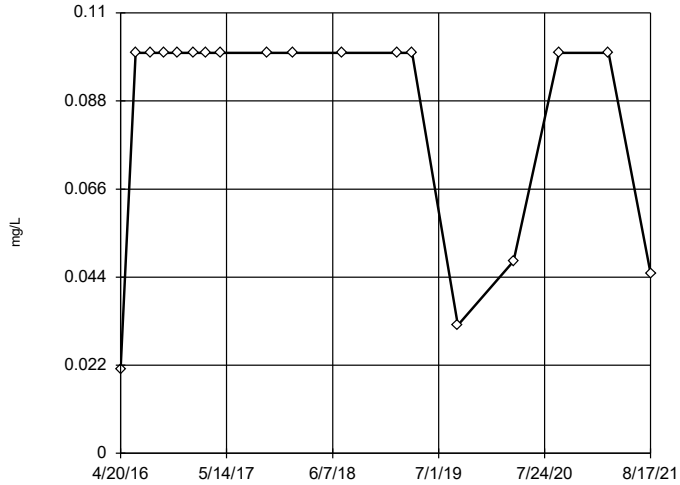
Constituent: Fluoride Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2329, low cutoff = 0.01813, based on IQR multiplier of 3.

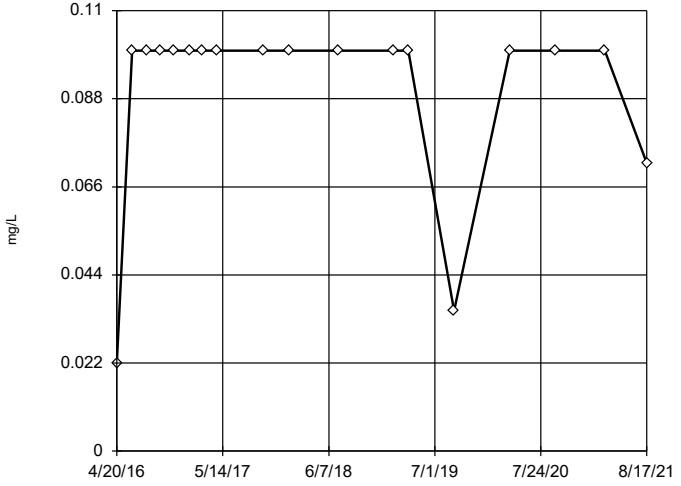
Constituent: Fluoride Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

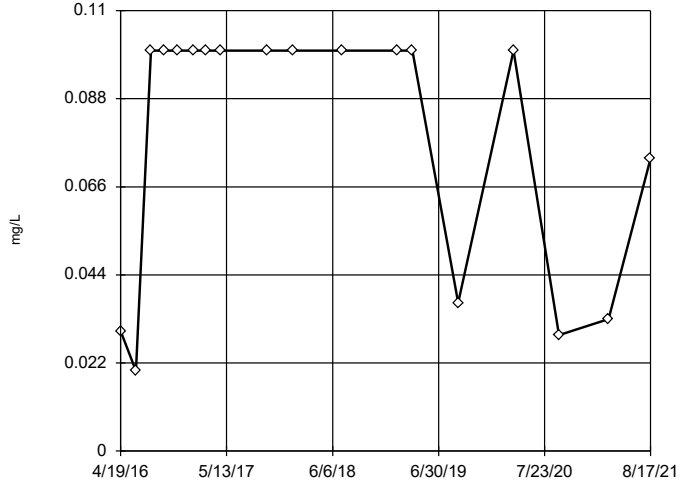
Constituent: Fluoride Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

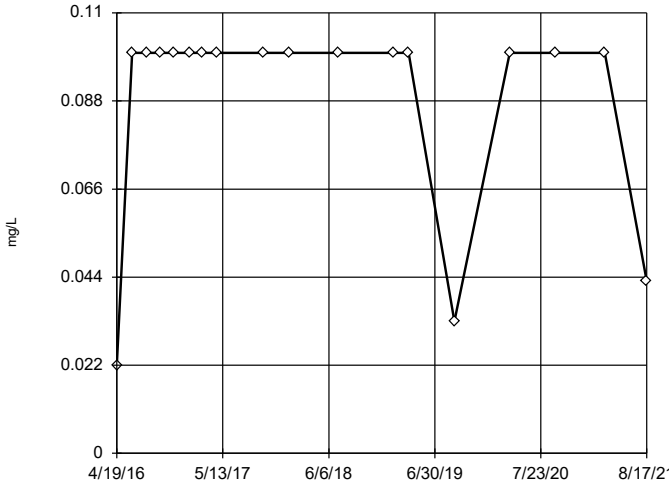
High cutoff = 2.344, low cutoff = 0.001491, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 8/2/2022 3:58 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-3 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

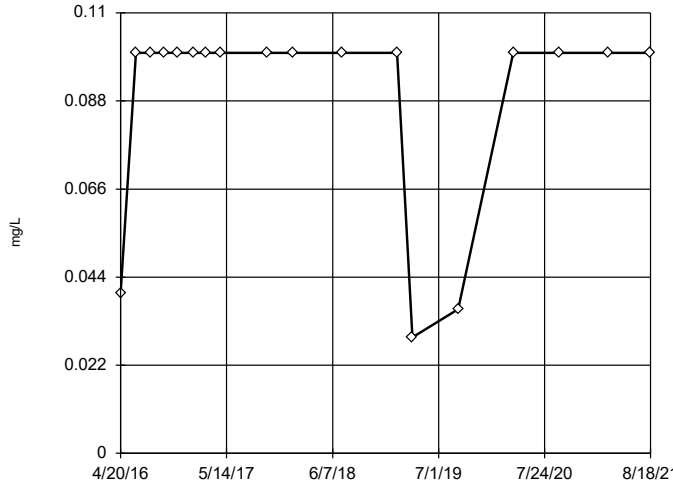
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 8/2/2022 3:58 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

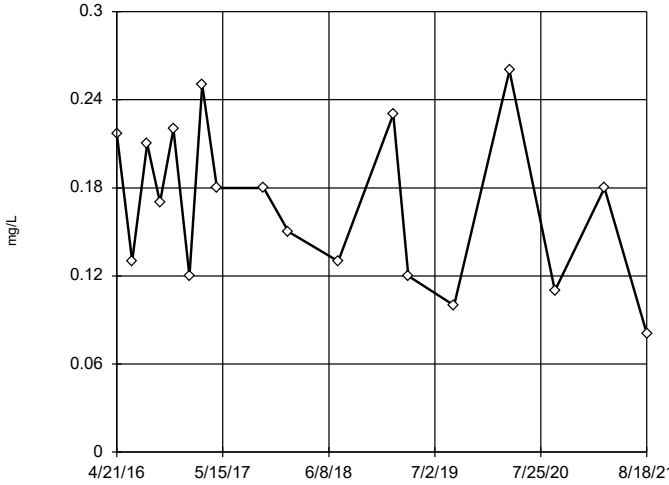
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 18

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

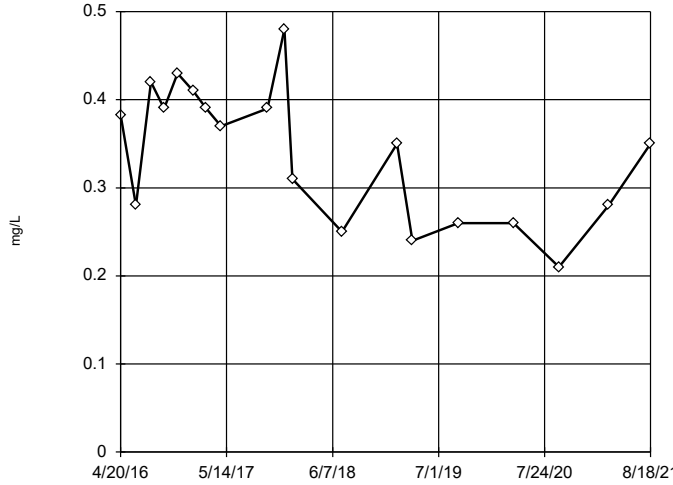
High cutoff = 0.6898, low cutoff = -0.0002779, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 19

No outliers found. Tukey's method selected by user.

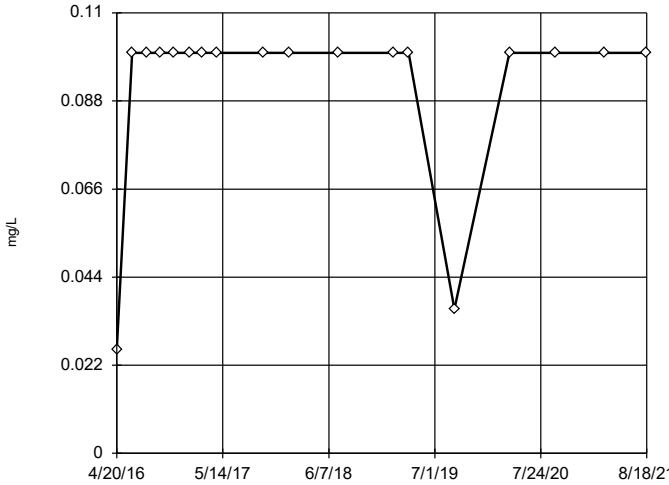
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.78, low cutoff = -0.13, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-12



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

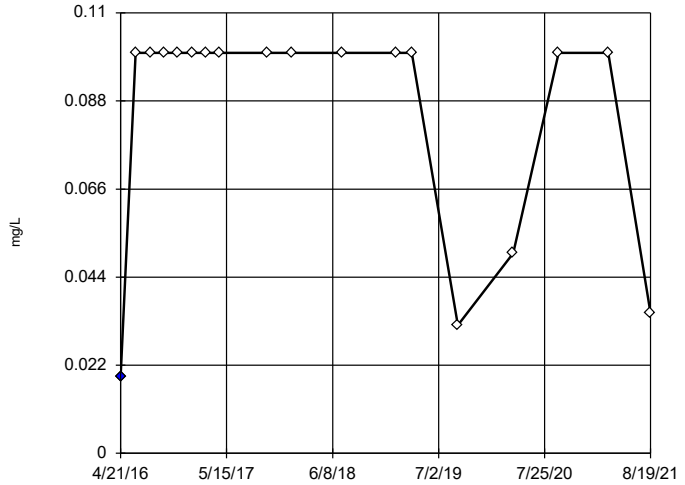
Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2245, low cutoff = 0.02027, based on IQR multiplier of 3.

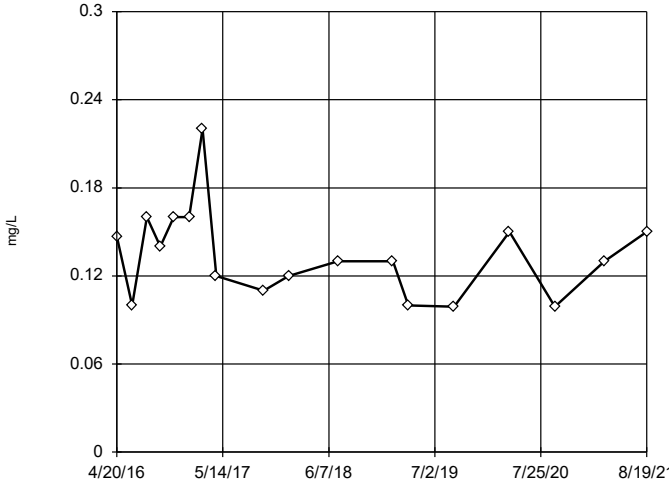
Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.4993, low cutoff = 0.03254, based on IQR multiplier of 3.

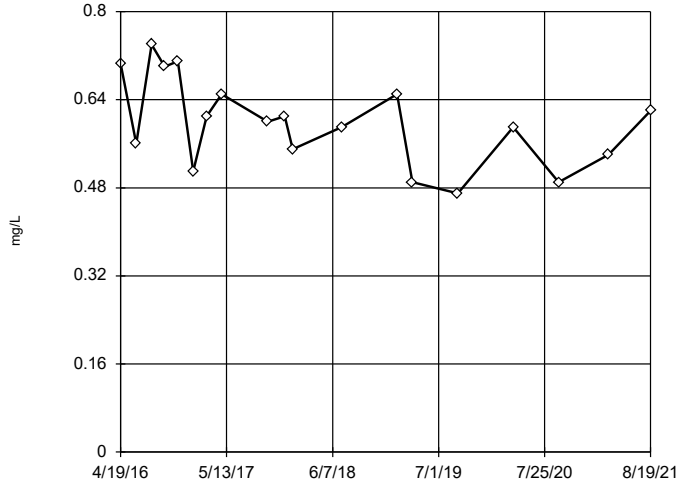
Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

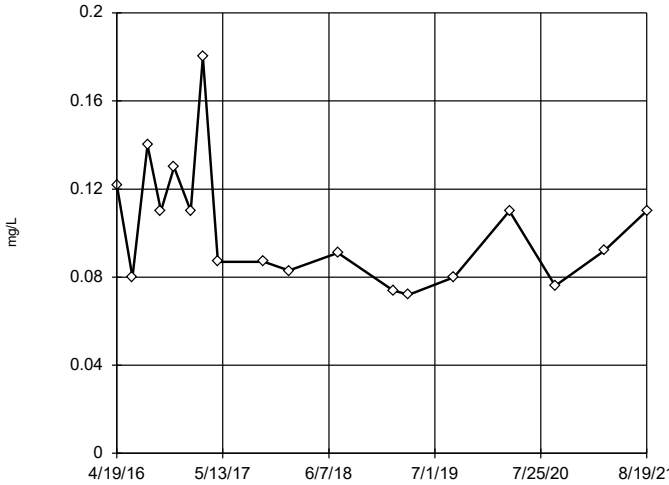
High cutoff = 1.041, low cutoff = 0.2711, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-19



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

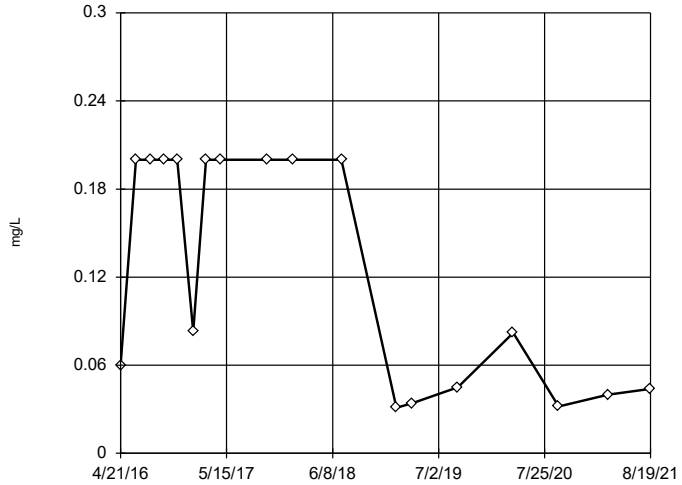
High cutoff = 0.3518, low cutoff = 0.02635, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

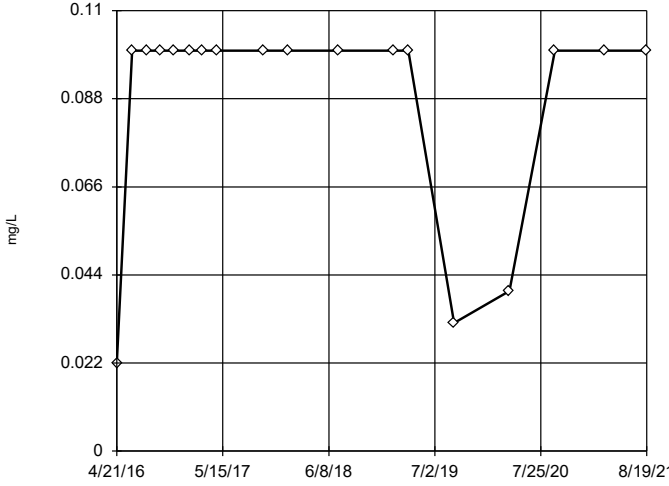
High cutoff = 21.67, low cutoff = 0.0003872, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

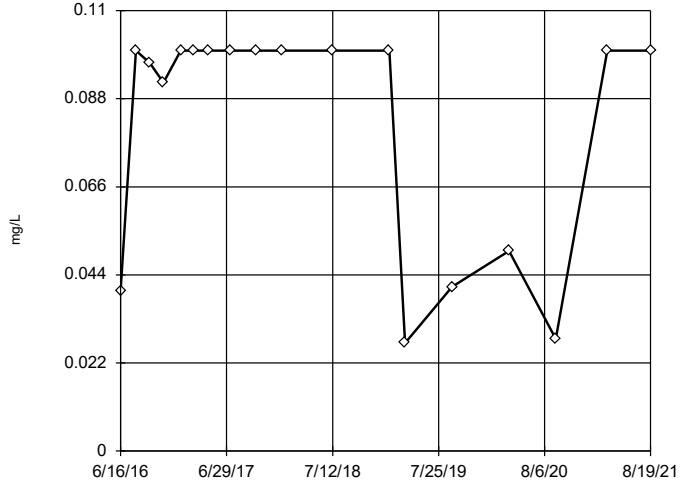
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

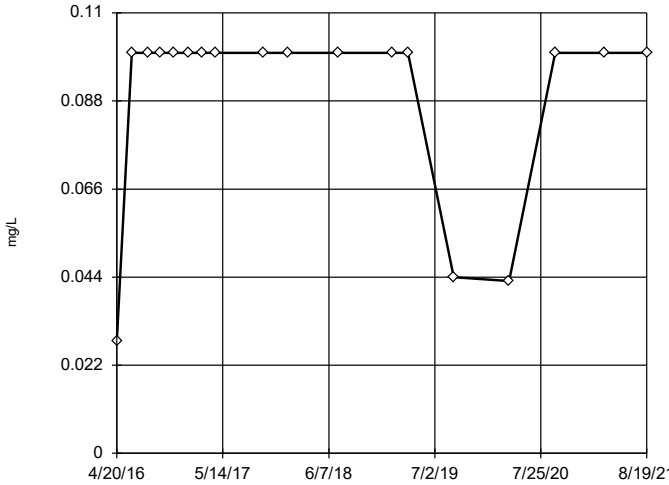
Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1258, low cutoff = -0.1198, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-4A (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

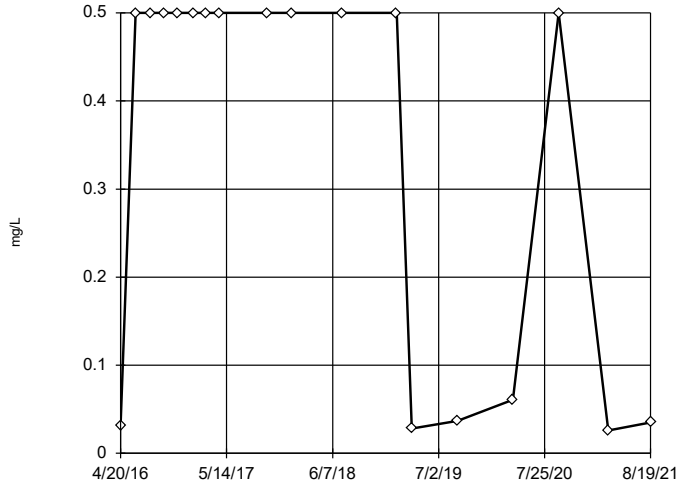
Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1341, low cutoff = 0.00001342, based on IQR multiplier of 3.

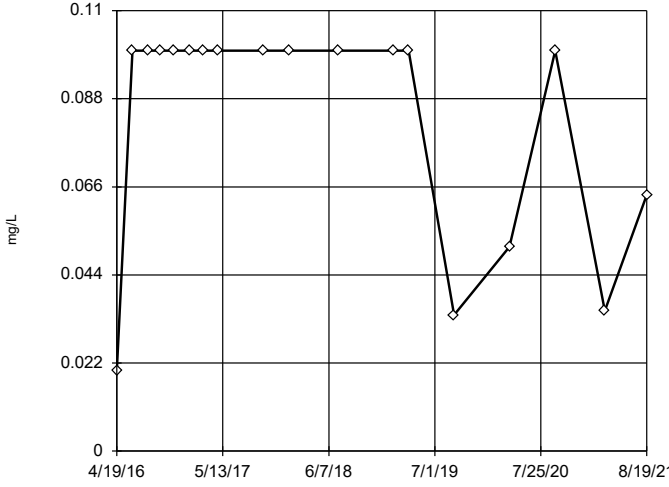
Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 18

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2989, low cutoff = 0.00008001, based on IQR multiplier of 3.

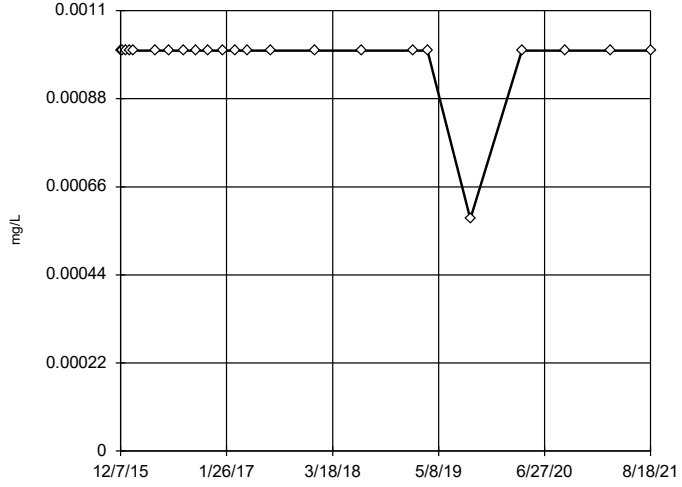
Constituent: Fluoride Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

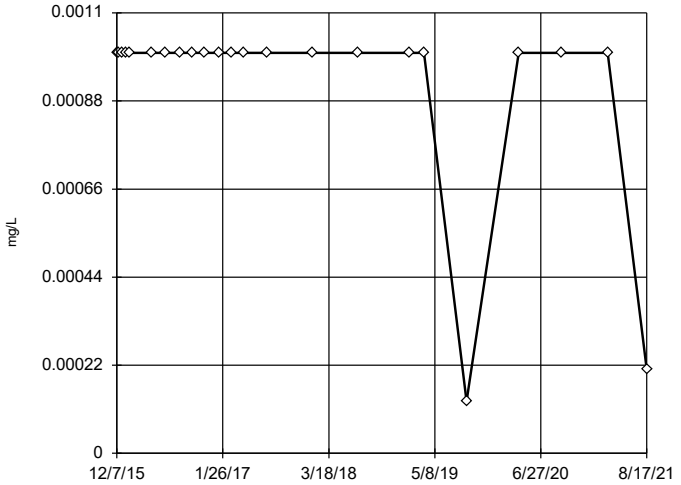
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

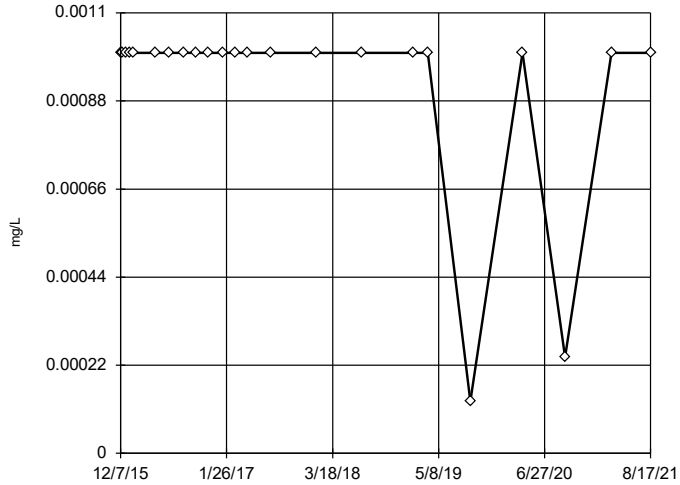
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

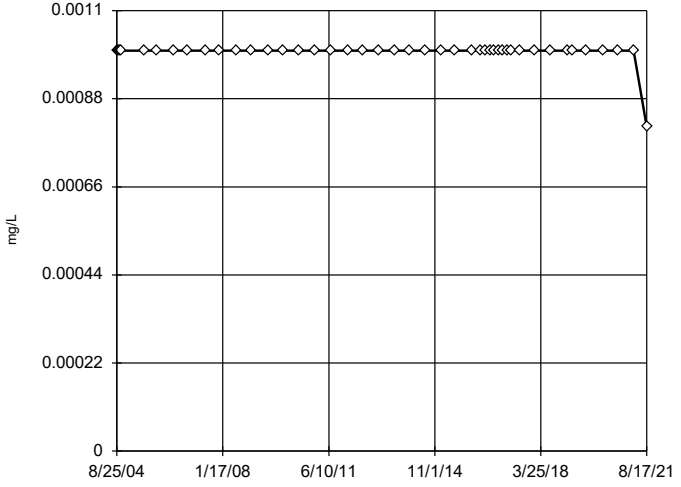
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

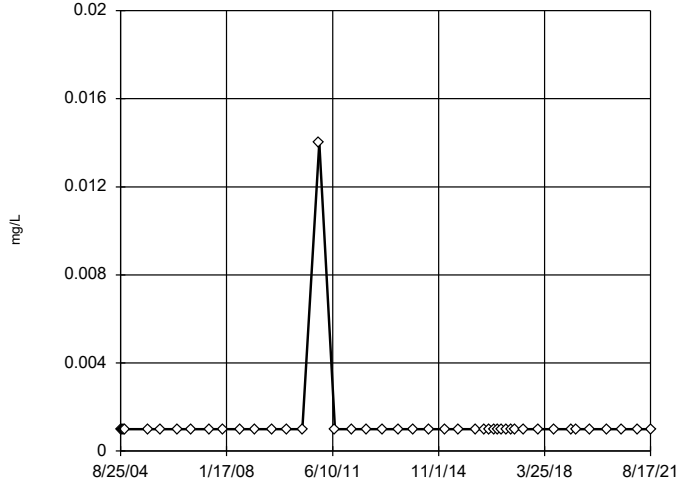
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

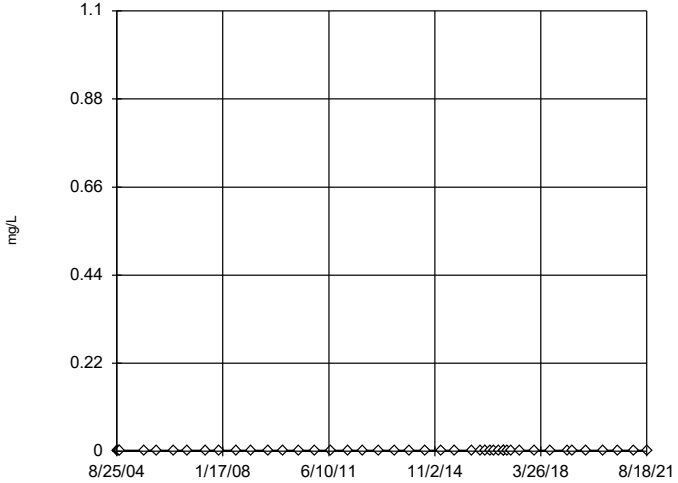
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-1



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

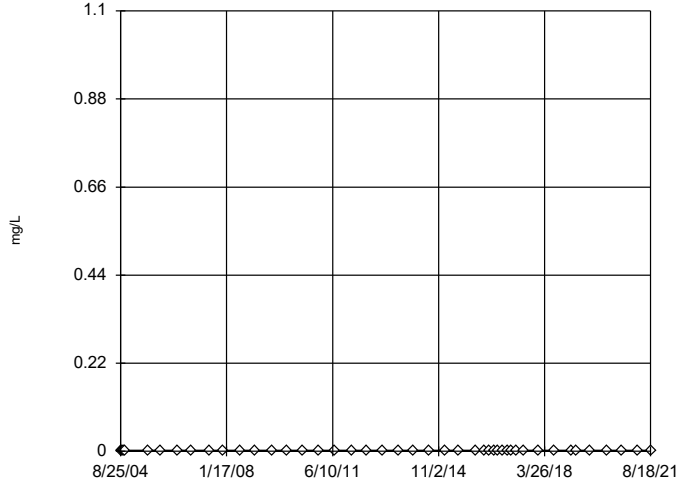
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

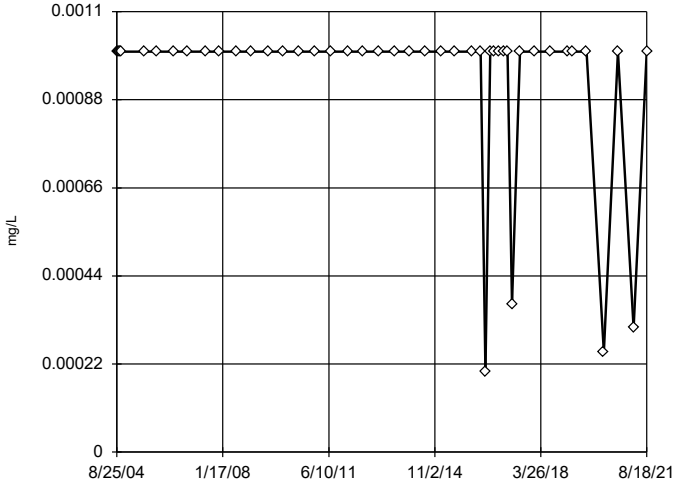
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

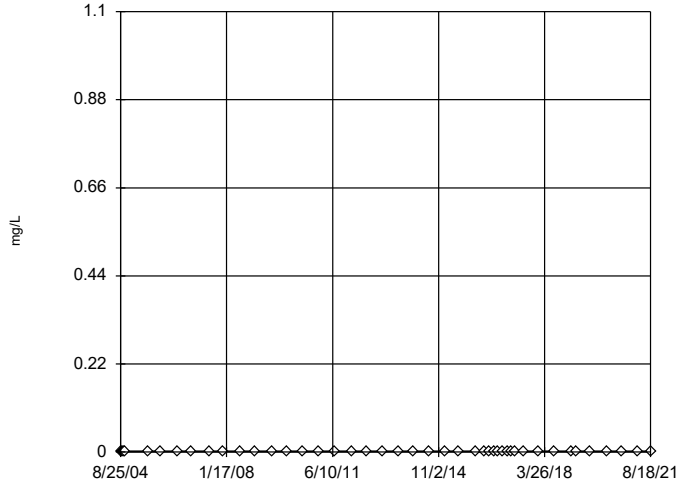
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

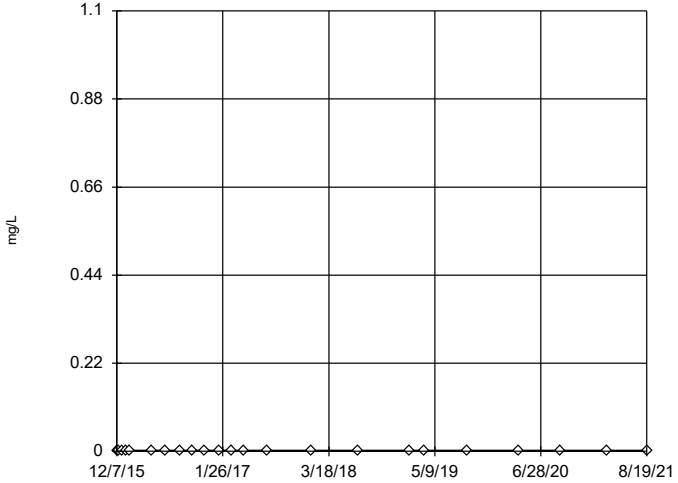
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

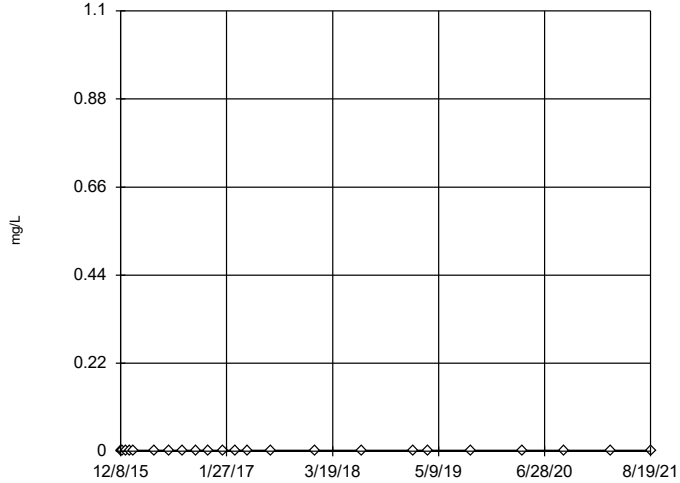
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

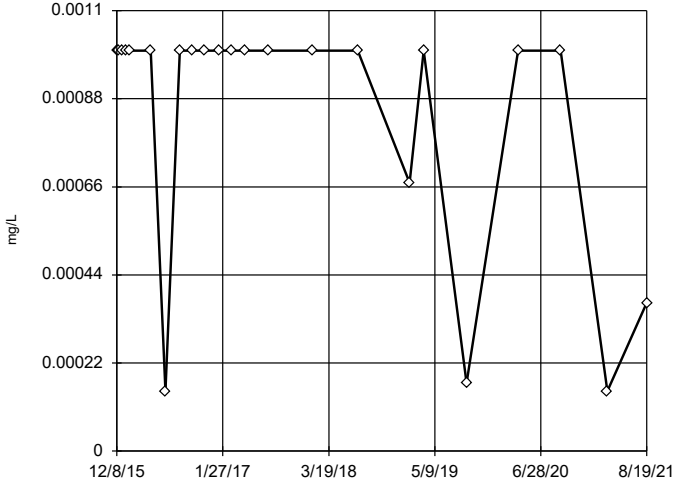
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

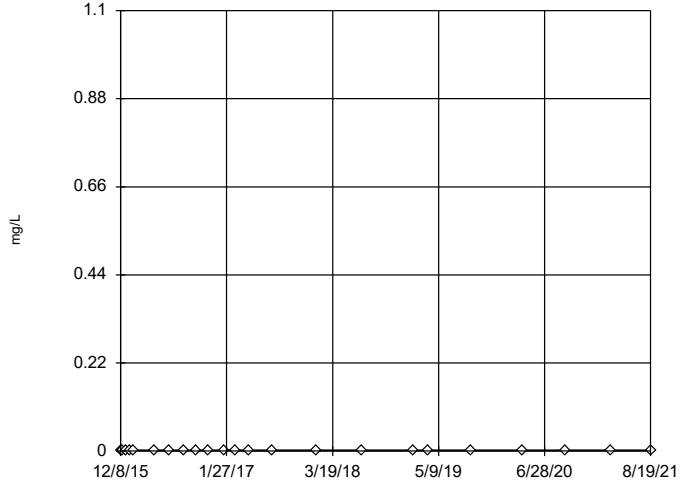
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

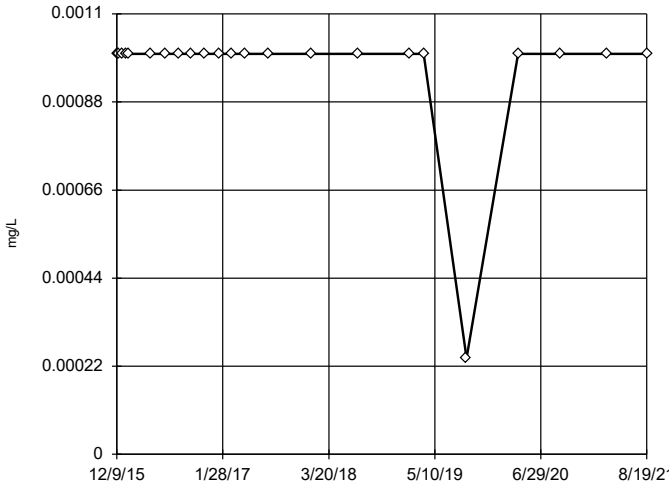
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

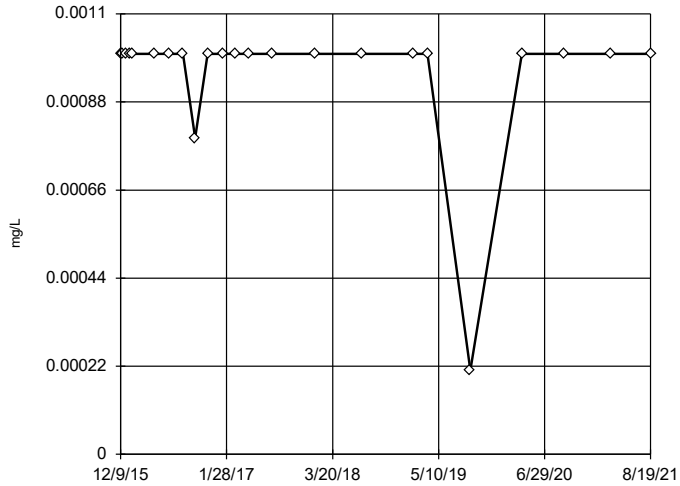
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

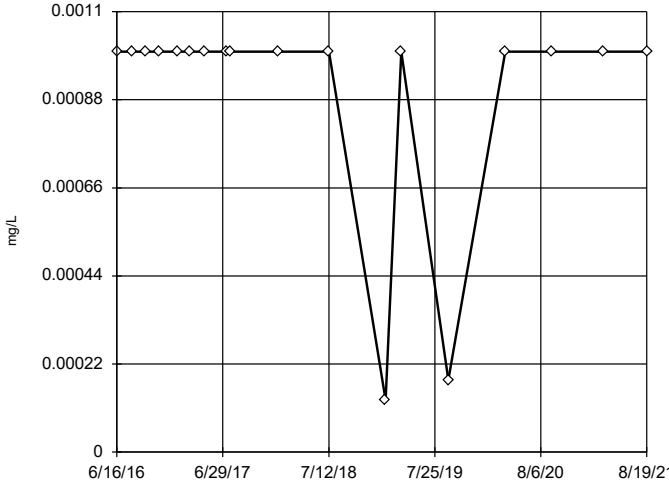
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

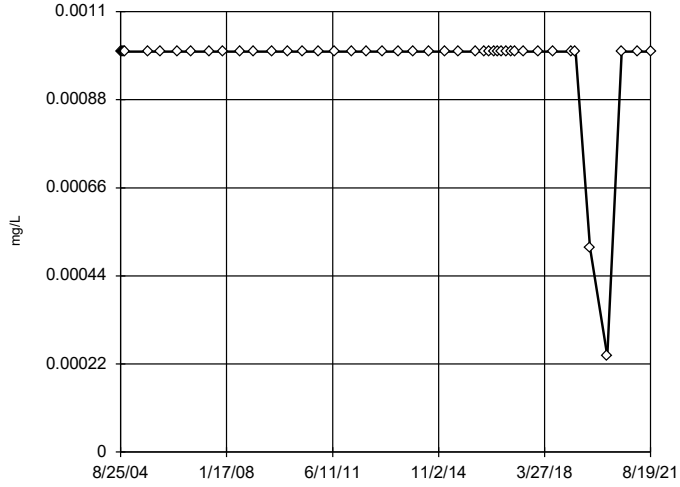
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

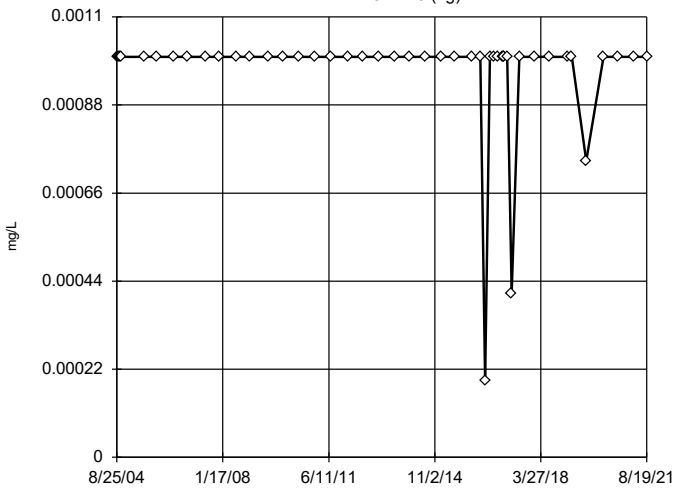
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

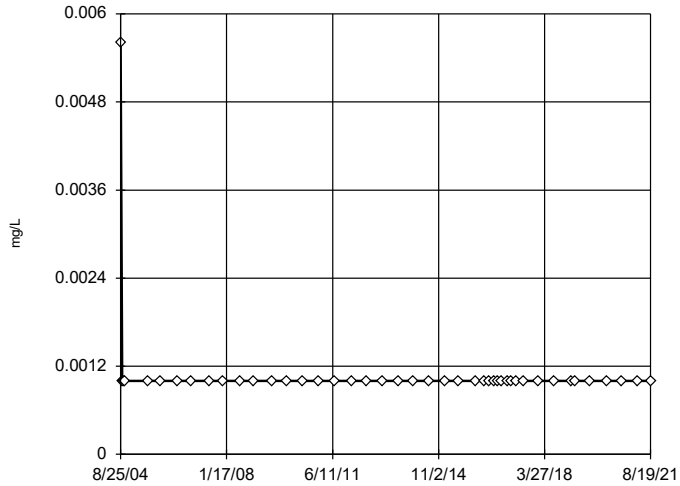
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

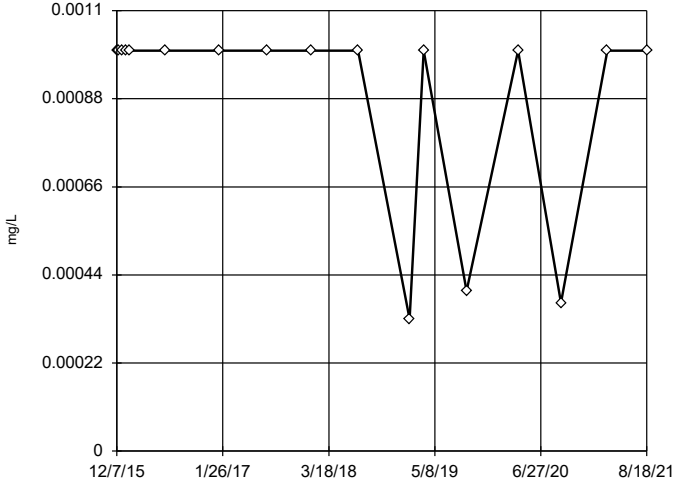
Constituent: Lead Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

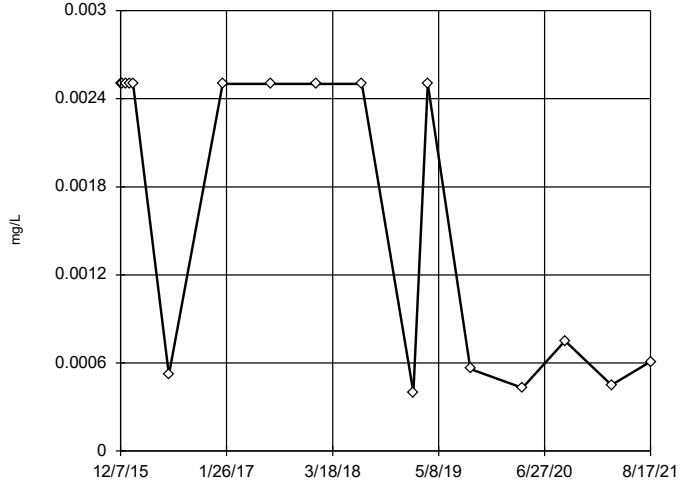
Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

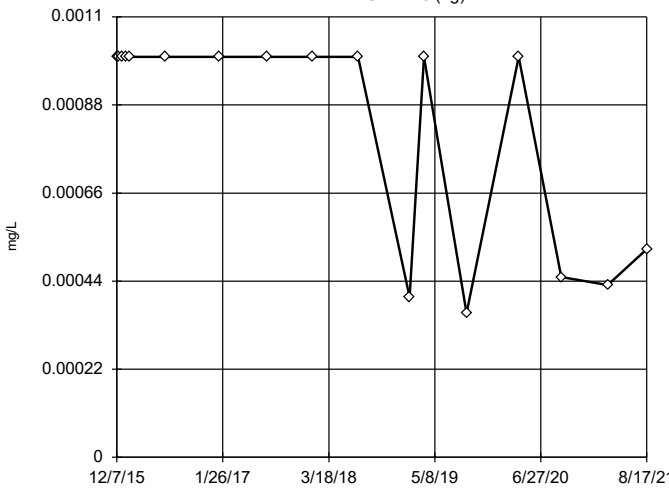
High cutoff = 0.2486, low cutoff = 0.000005427, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-16 (bg)



n = 17

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

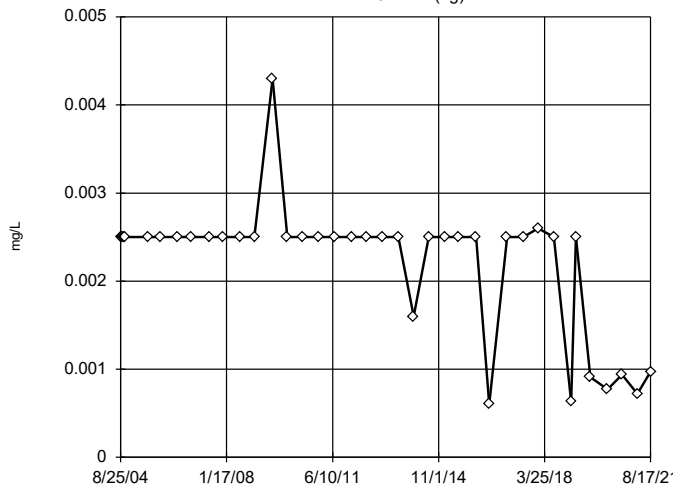
High cutoff = 0.008834, low cutoff = 0.00005476, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 38

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

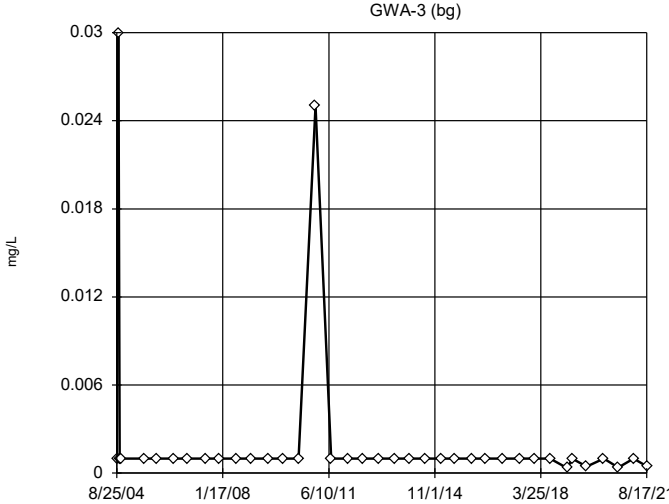
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 38

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

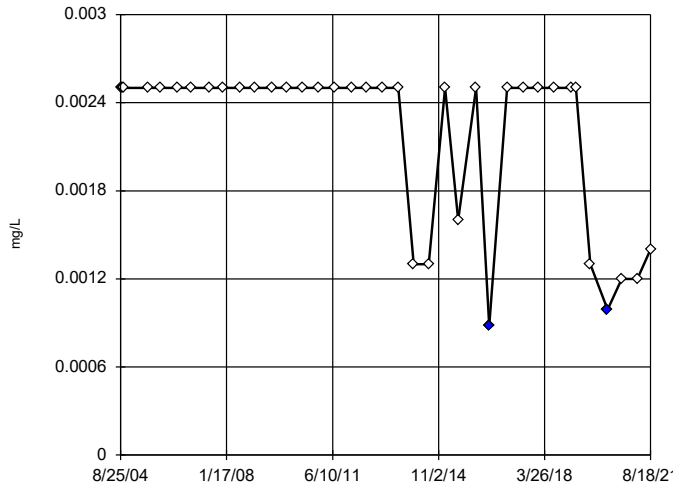
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 37

Outliers are drawn as solid.
Tukey's method selected by user.

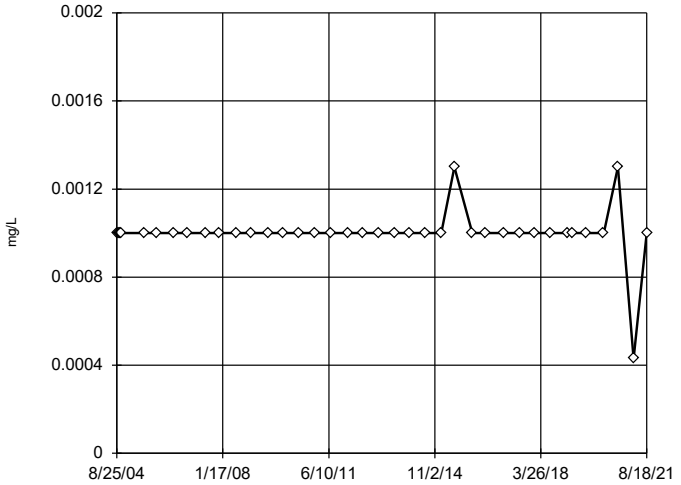
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.004883, low cutoff = 0.001024, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-10



n = 38

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

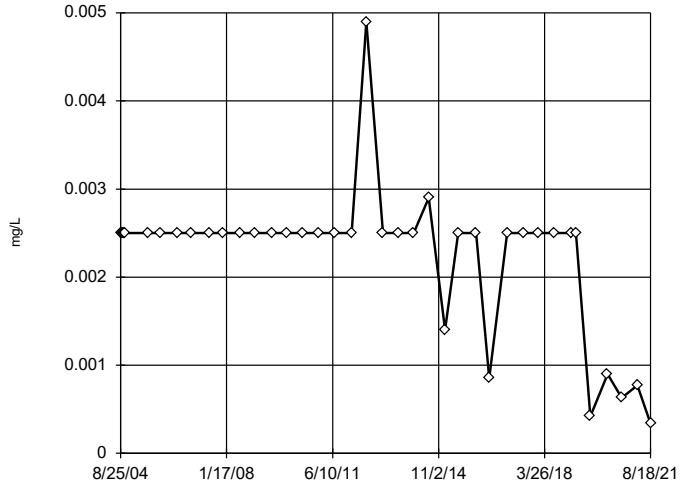
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 38

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

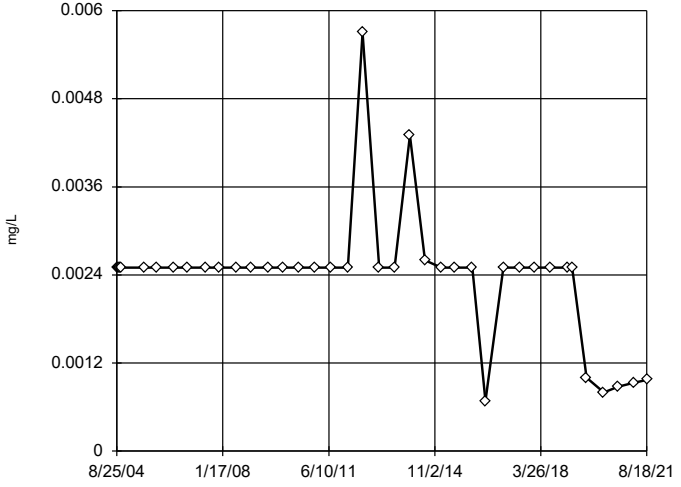
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

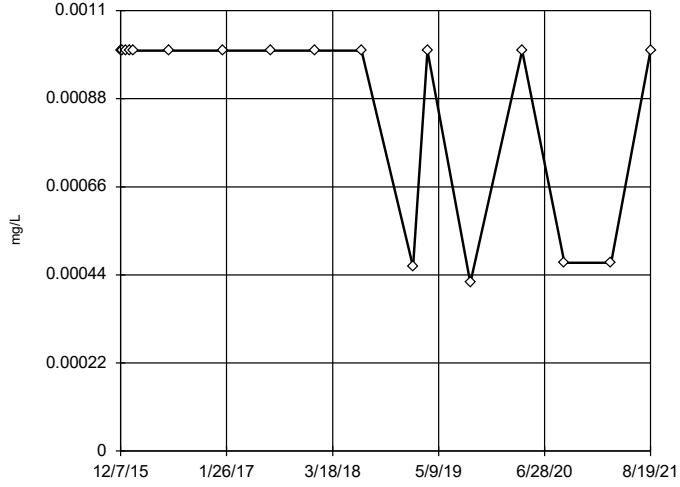
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 17

No outliers found. Tukey's method selected by user.

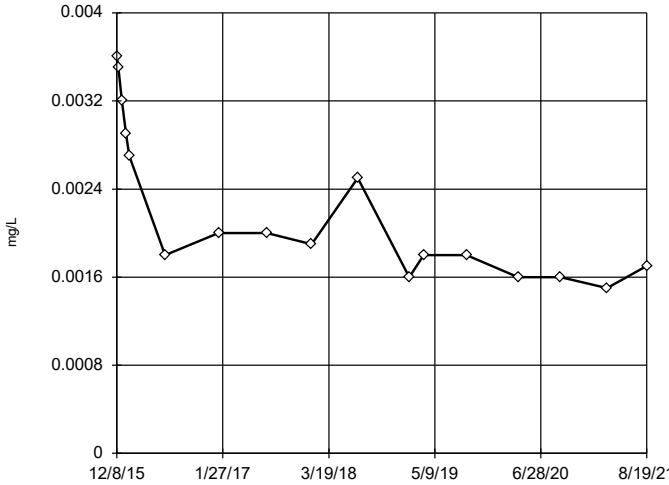
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003104, low cutoff = 0.0002209, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-17 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01367, low cutoff = 0.0003377, based on IQR multiplier of 3.

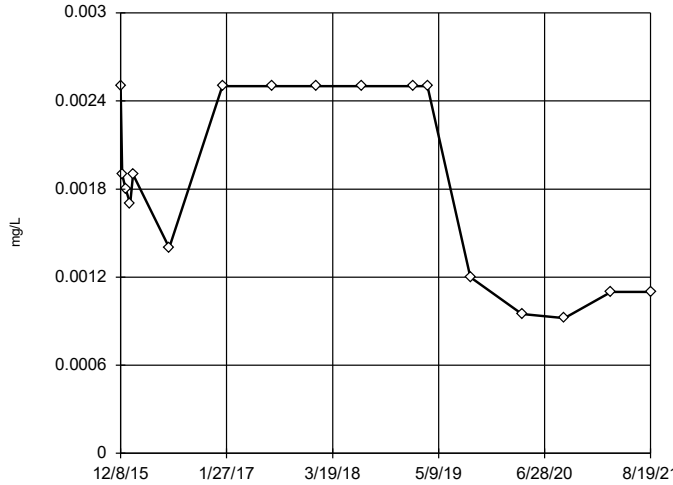
Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01195, low cutoff = 0.000001654, based on IQR multiplier of 3.

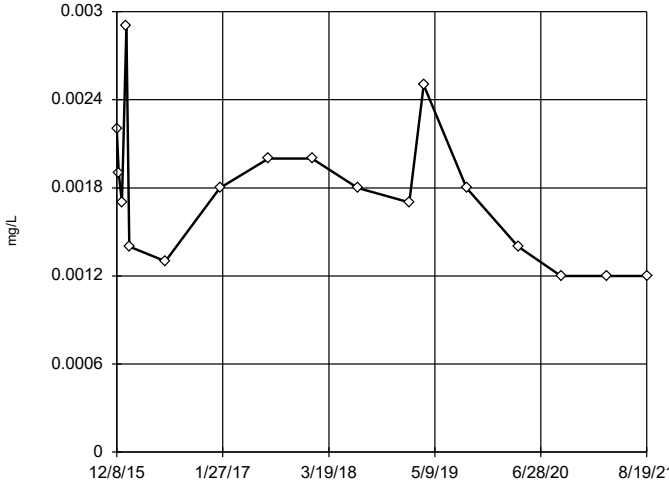
Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.006516, low cutoff = 0.000414, based on IQR multiplier of 3.

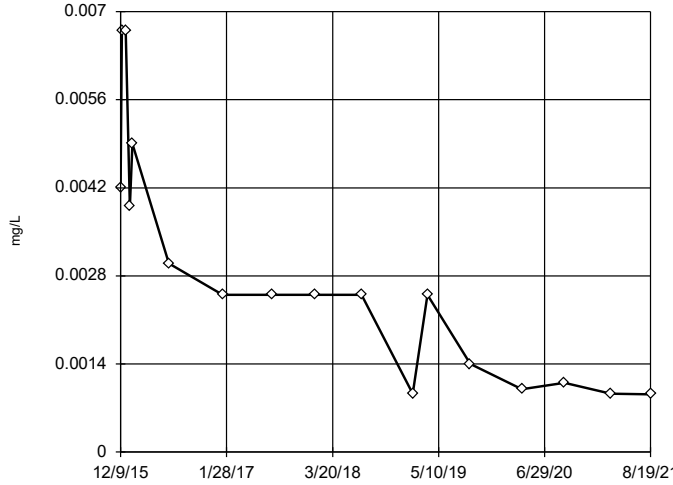
Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

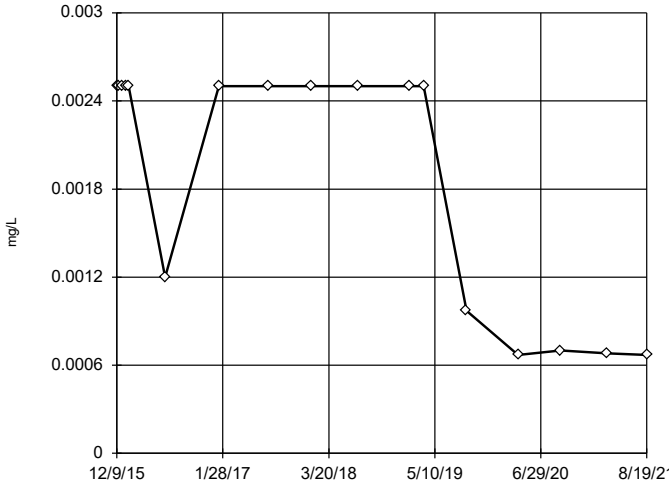
High cutoff = 0.03681, low cutoff = -0.0003681, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-21



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

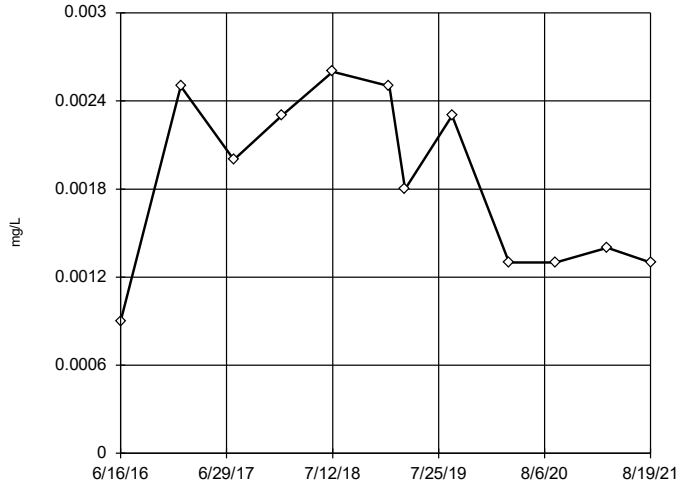
High cutoff = 0.06982, low cutoff = 0.00002951, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 12

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

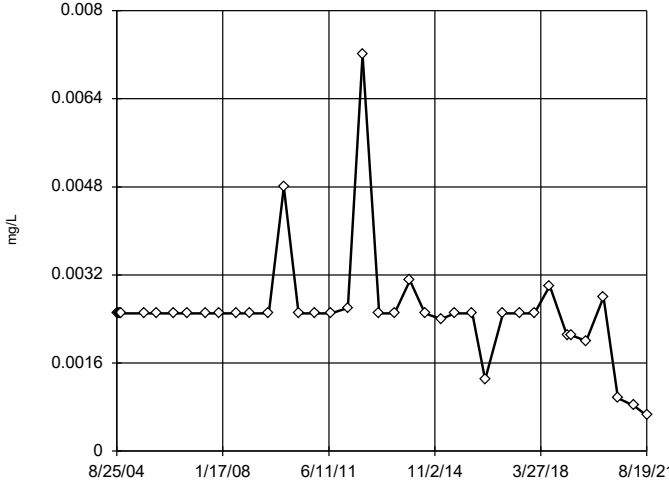
High cutoff = 0.0057, low cutoff = -0.002, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

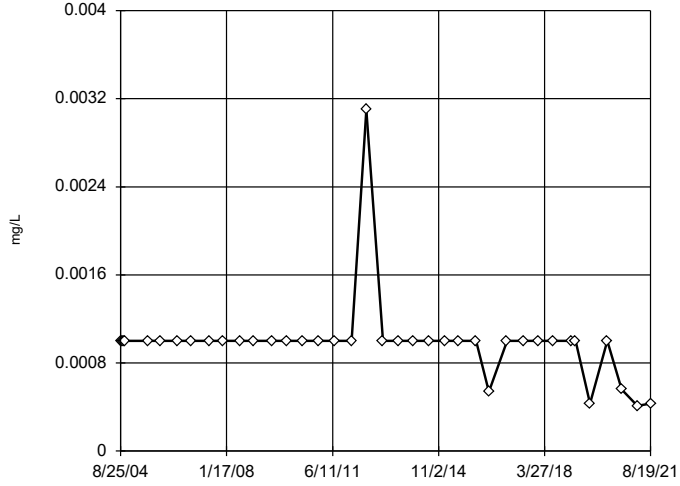
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 38

No outliers found. Tukey's method selected by user.

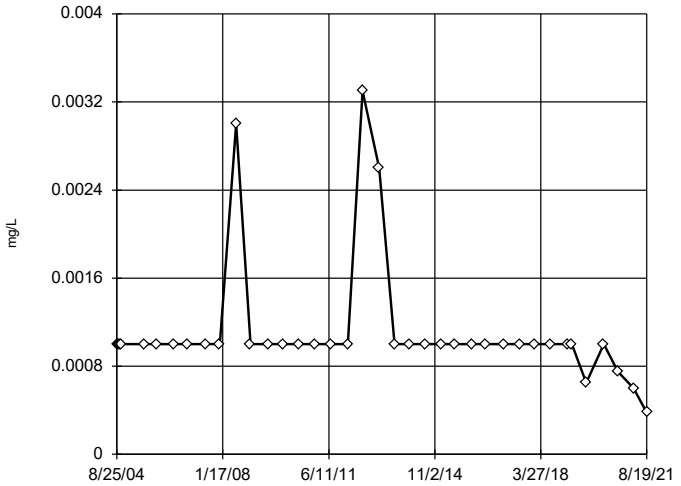
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-9



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

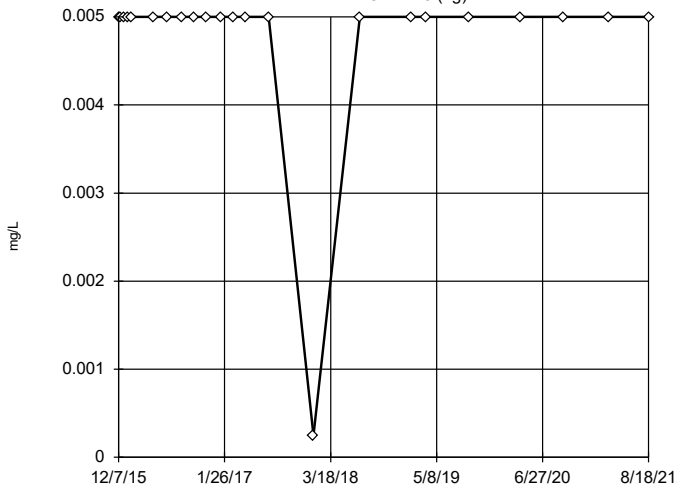
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-13 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

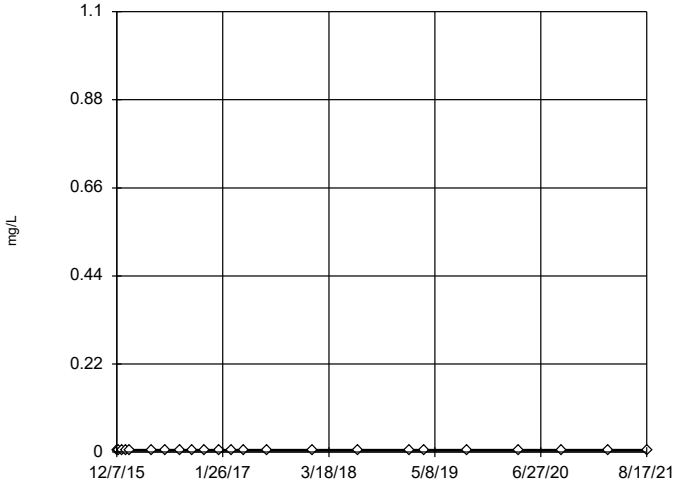
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

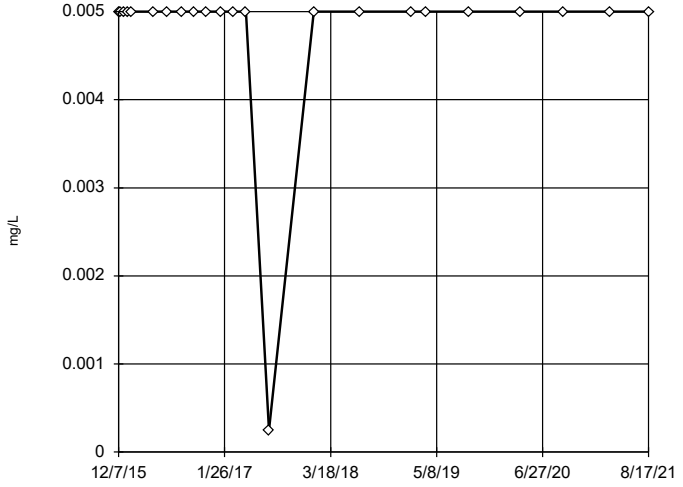
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

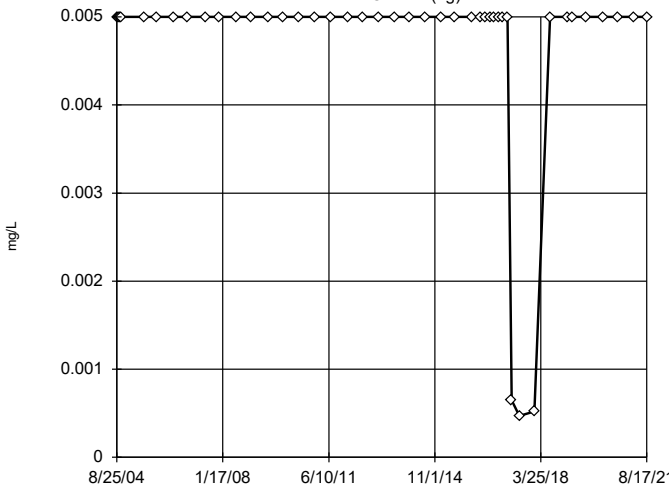
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-2 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

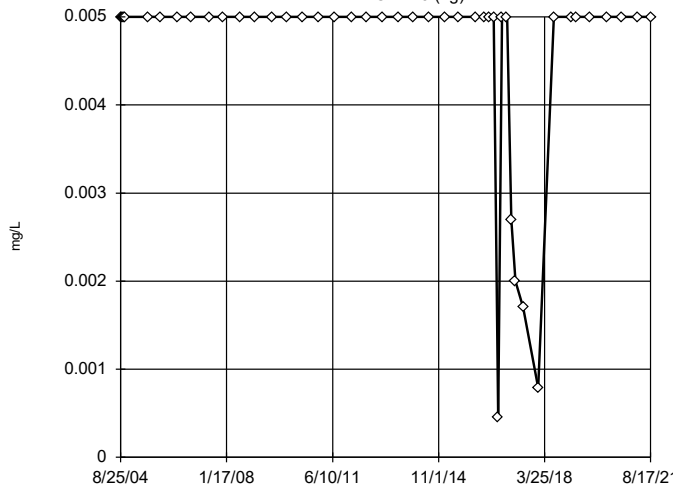
Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 44

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

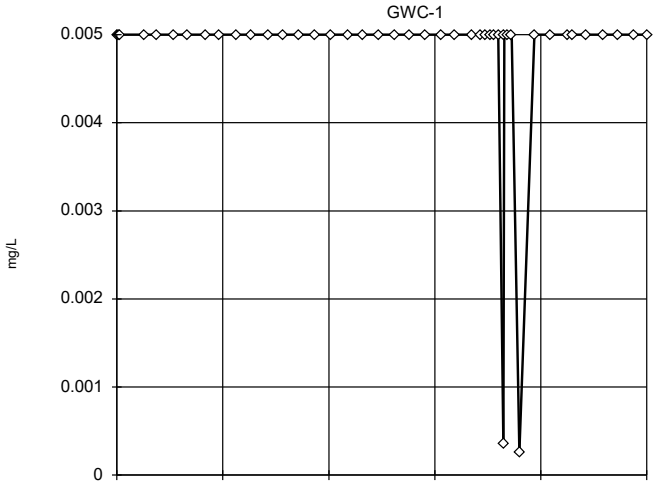
Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

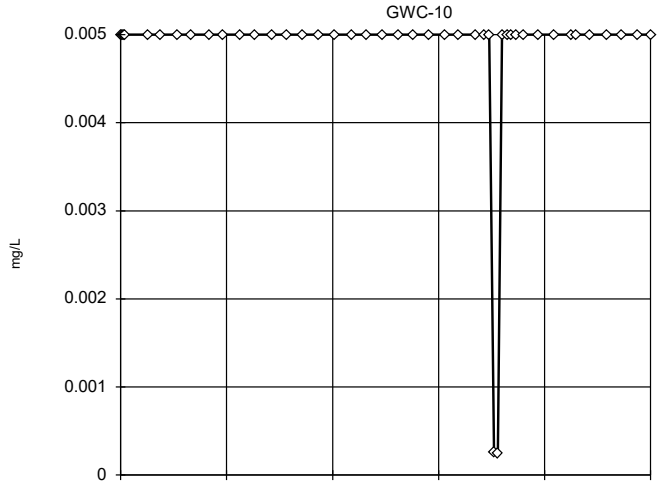
Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

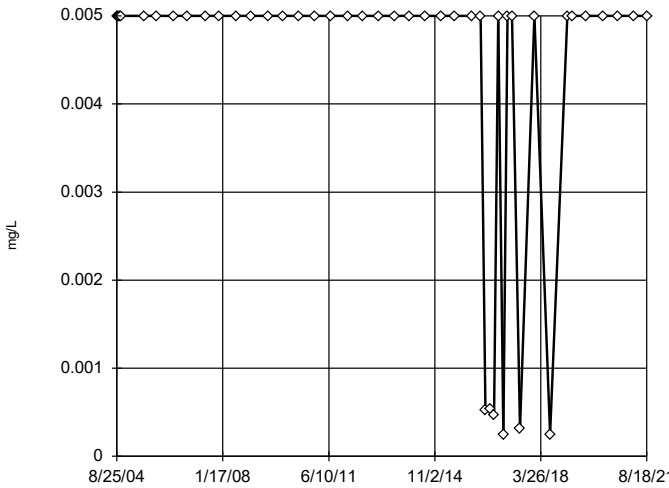
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-11



n = 44

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

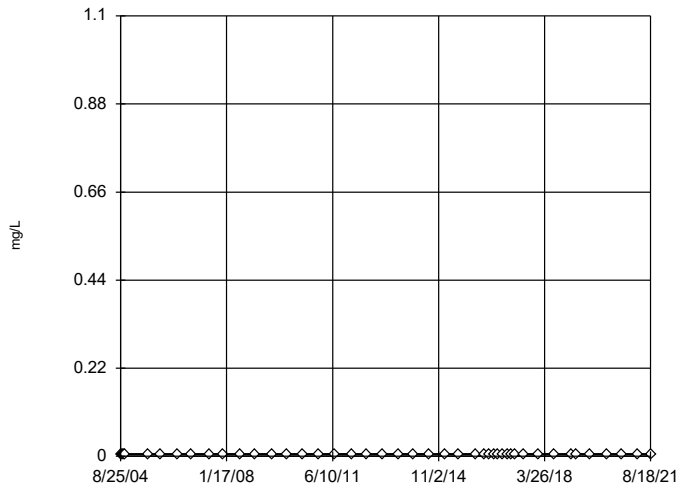
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 44

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

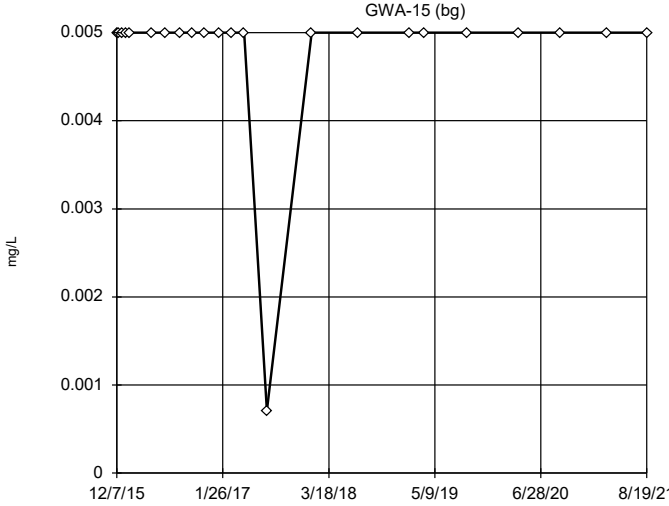
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

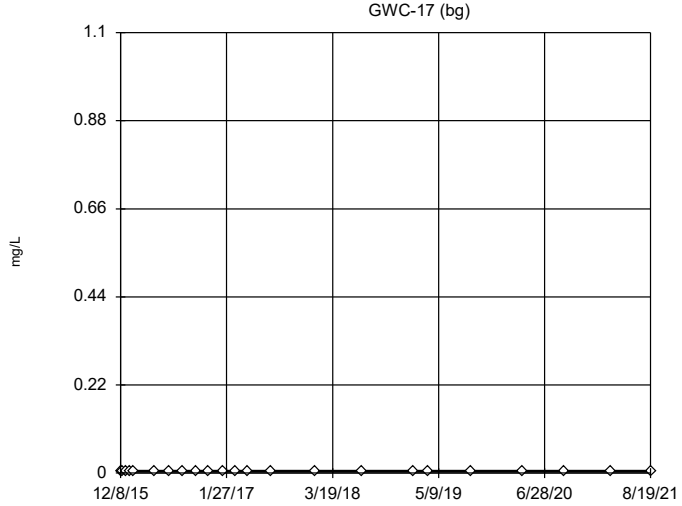
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

No outliers found. Tukey's method selected by user.

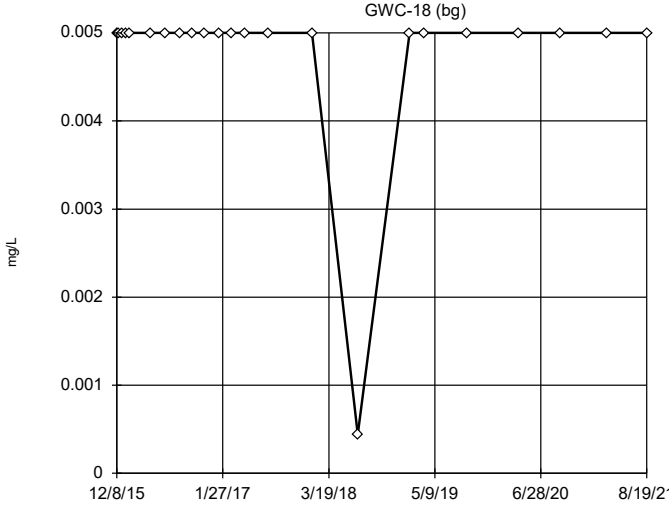
Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

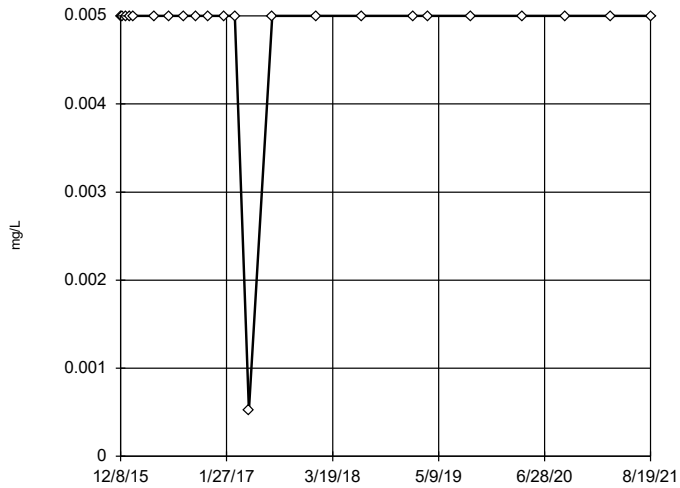
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

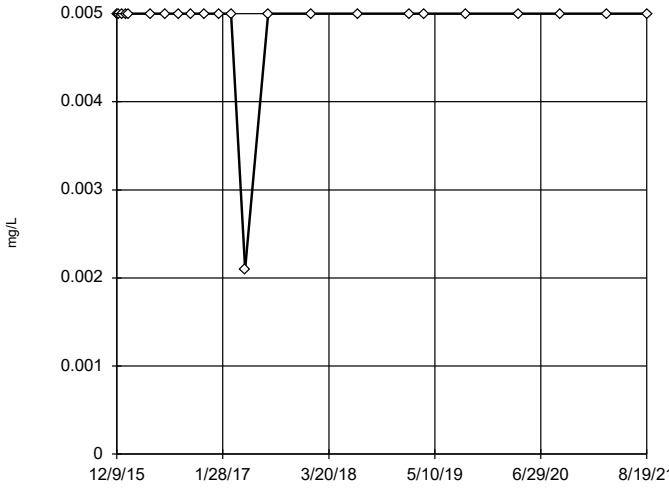
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

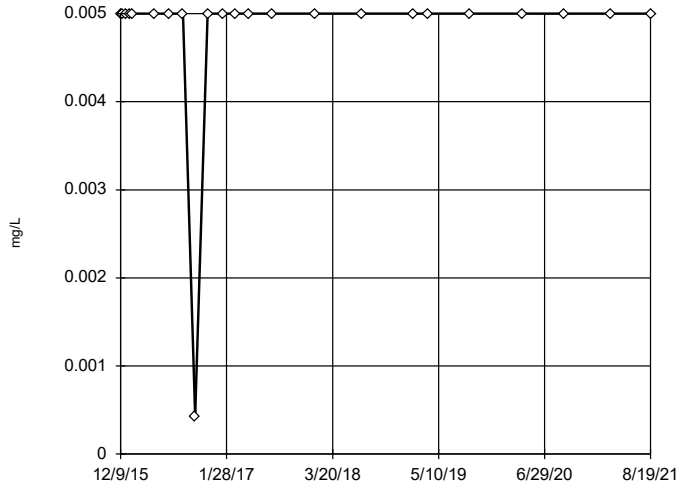
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

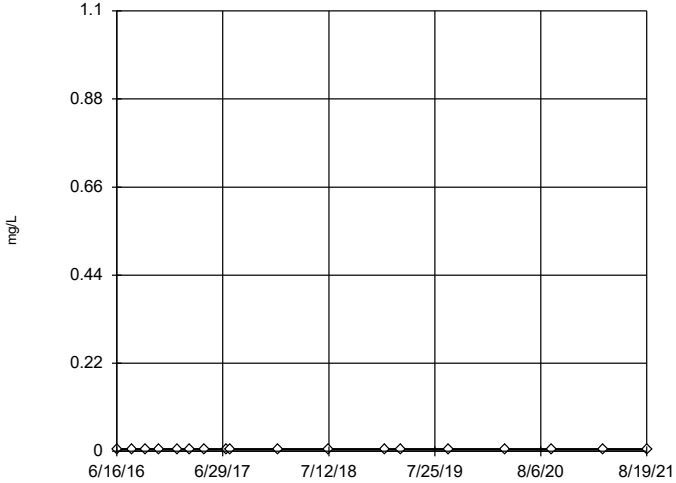
Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

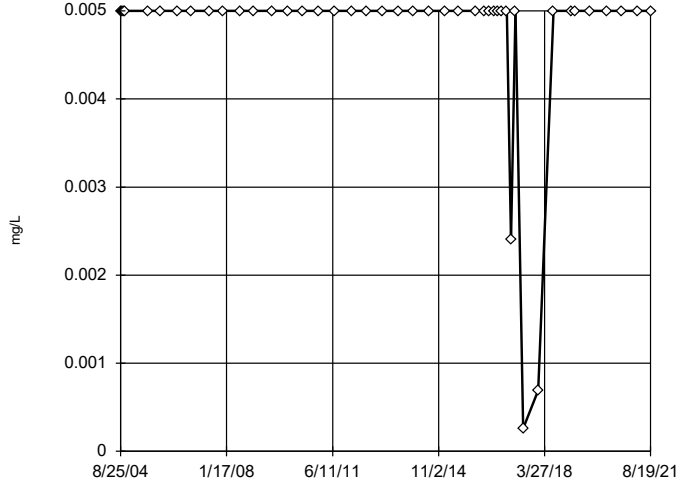
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 44

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

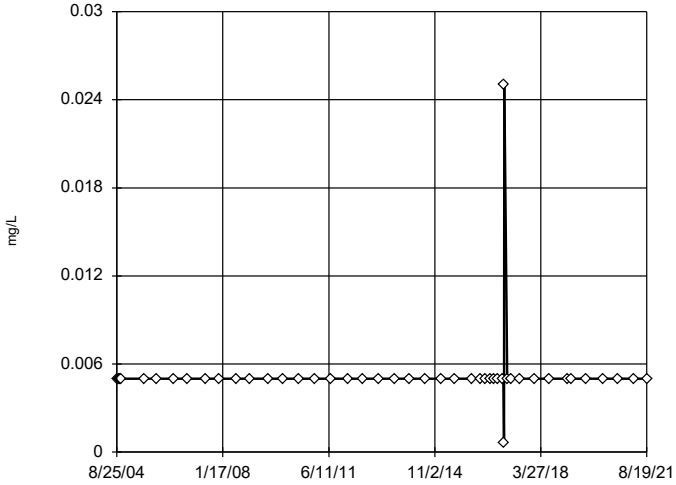
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 46

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

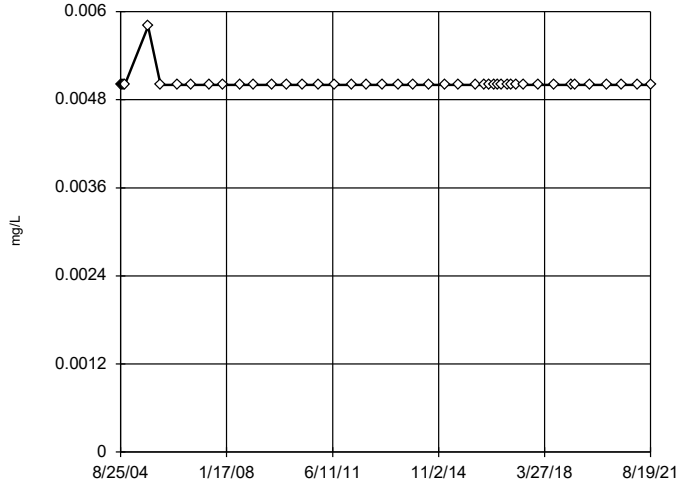
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 44

No outliers found. Tukey's method selected by user.

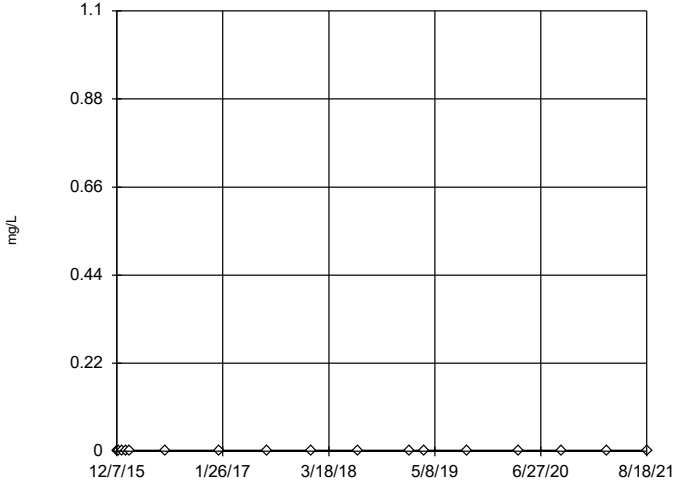
Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 8/2/2022 3:59 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-13 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

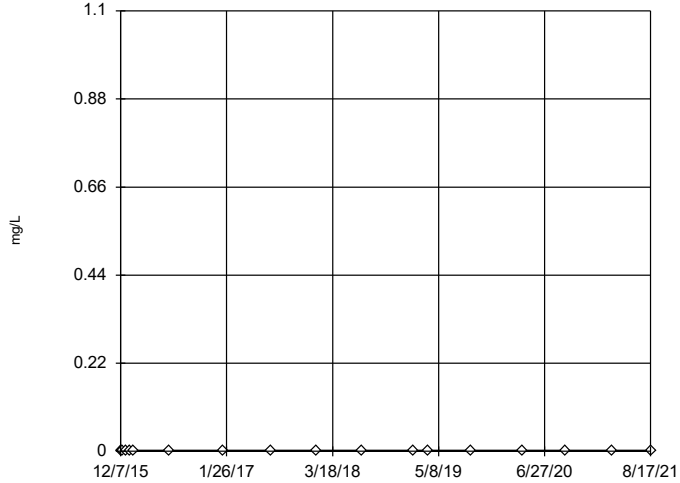
Constituent: Silver Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

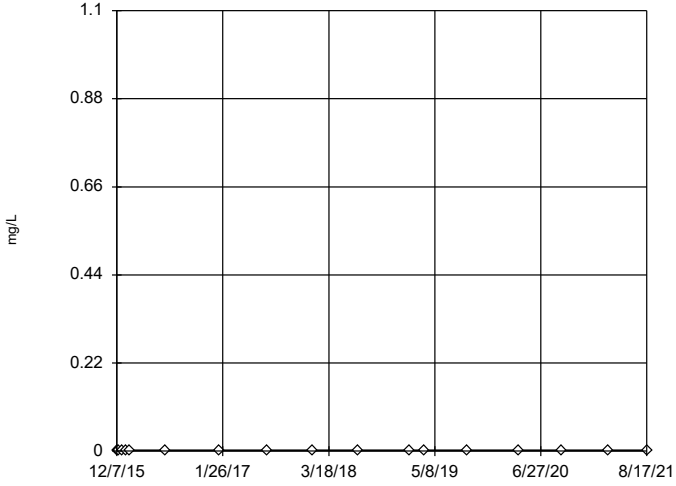
Constituent: Silver Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

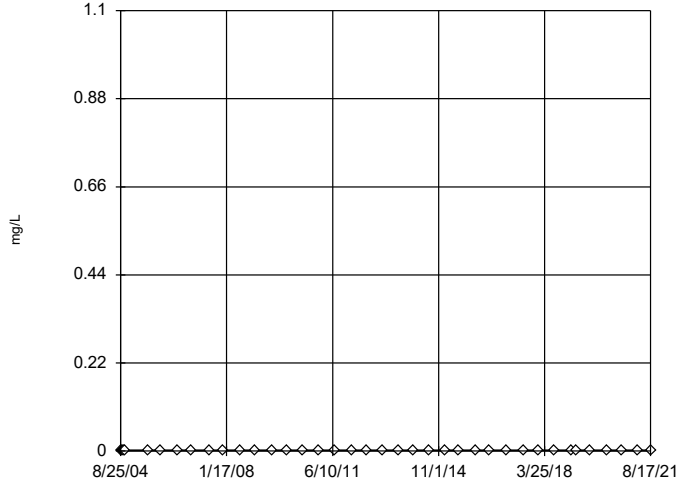
Constituent: Silver Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

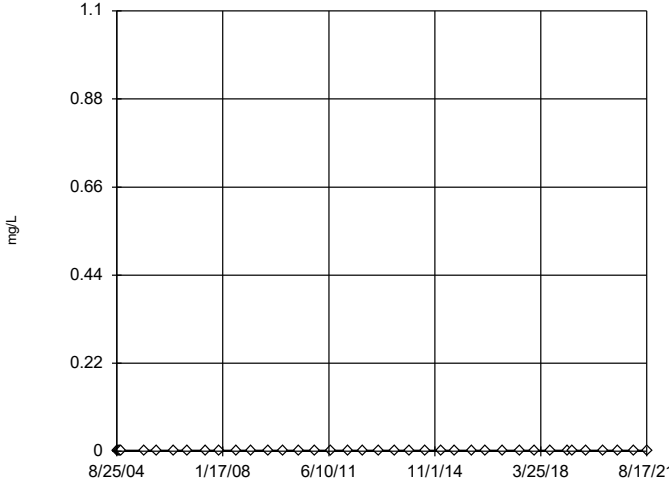
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Silver Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-3 (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

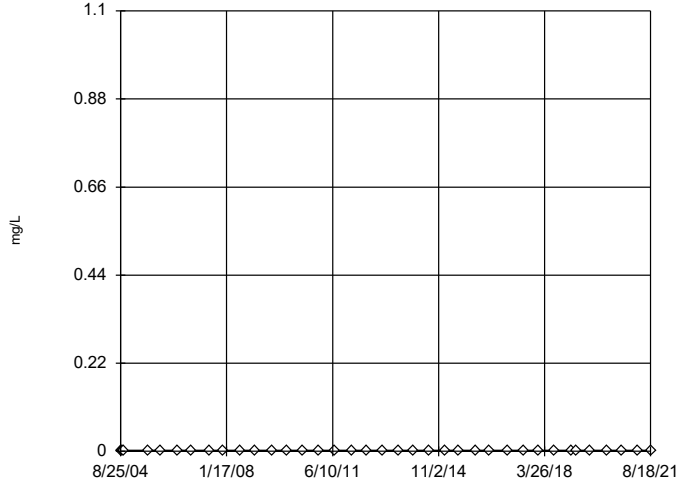
Constituent: Silver Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 37

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

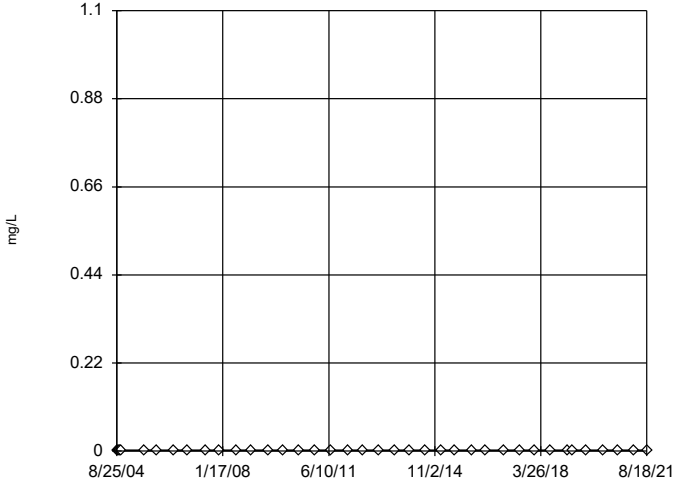
Constituent: Silver Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

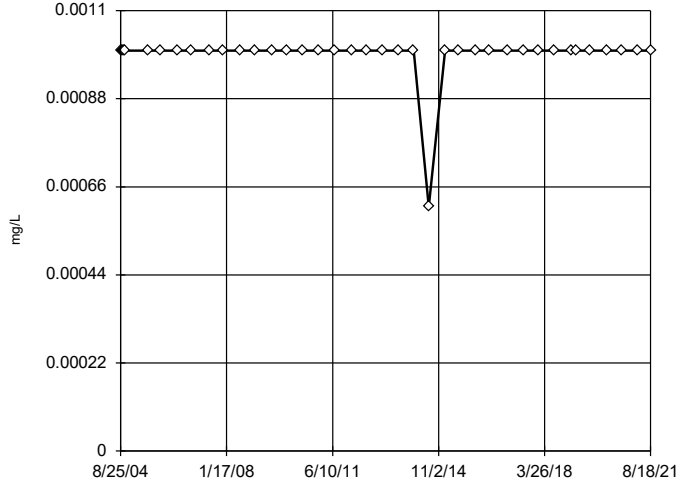
Constituent: Silver Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 38

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

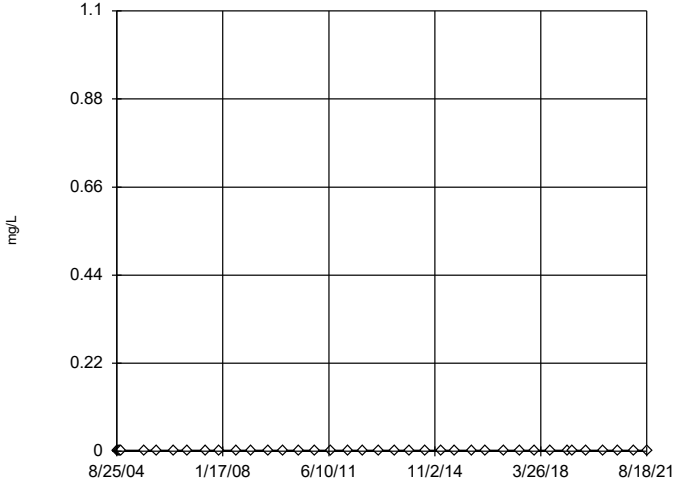
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Silver Analysis Run 8/2/2022 3:59 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-12



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

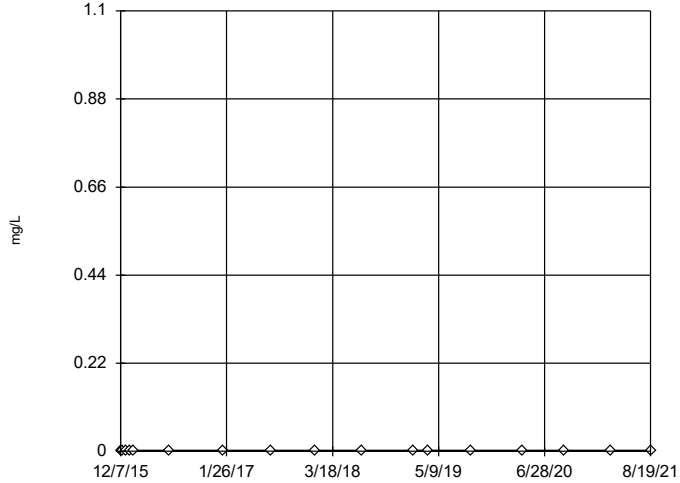
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

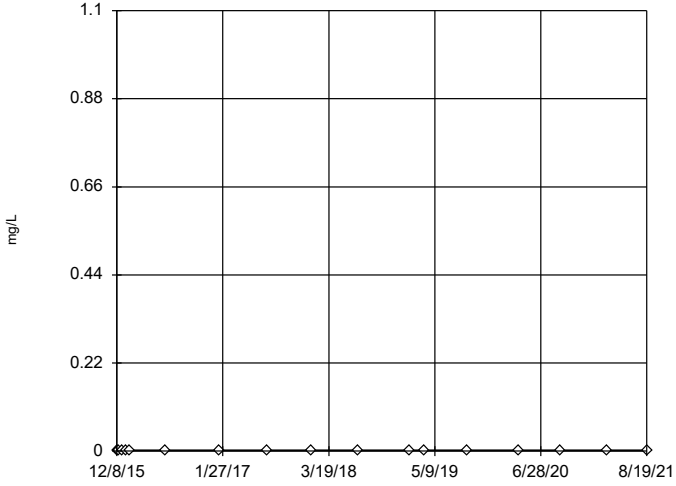
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

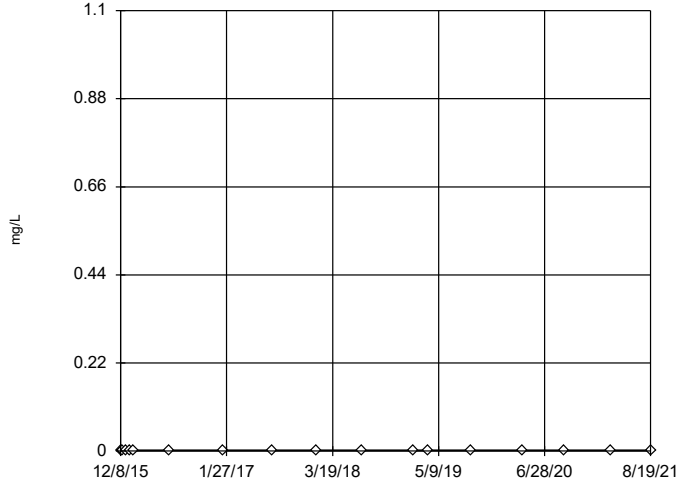
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

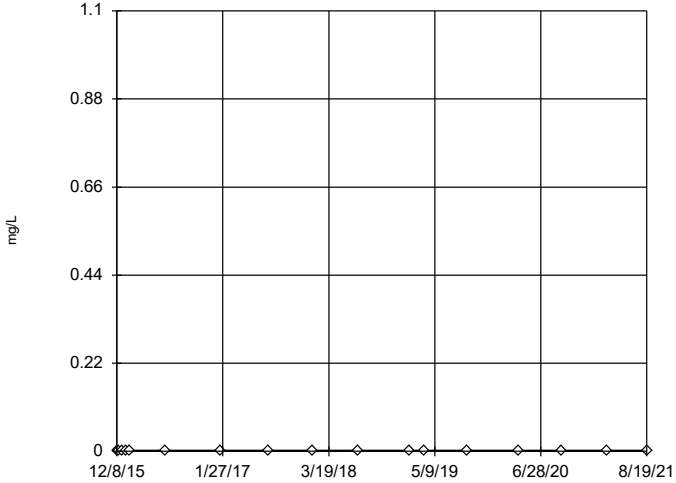
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-19



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

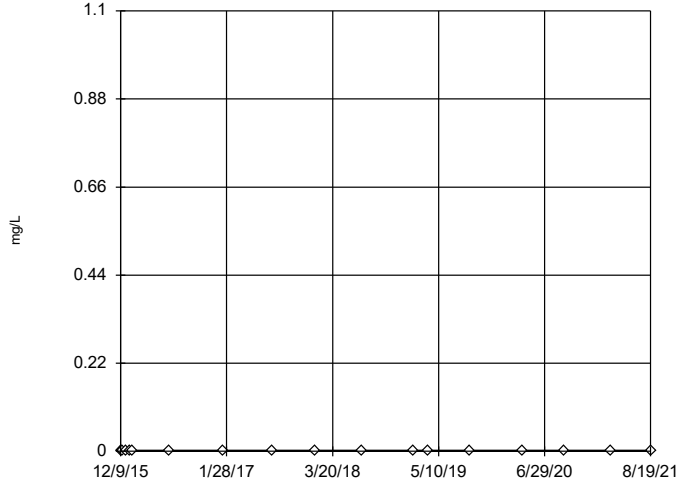
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

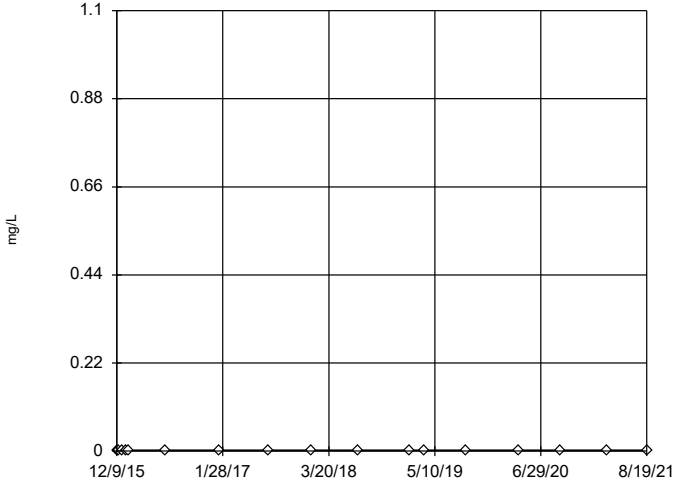
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 17

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

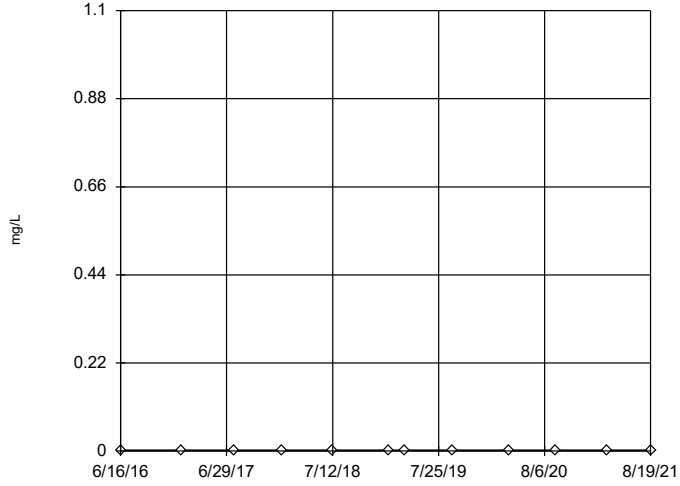
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 12

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

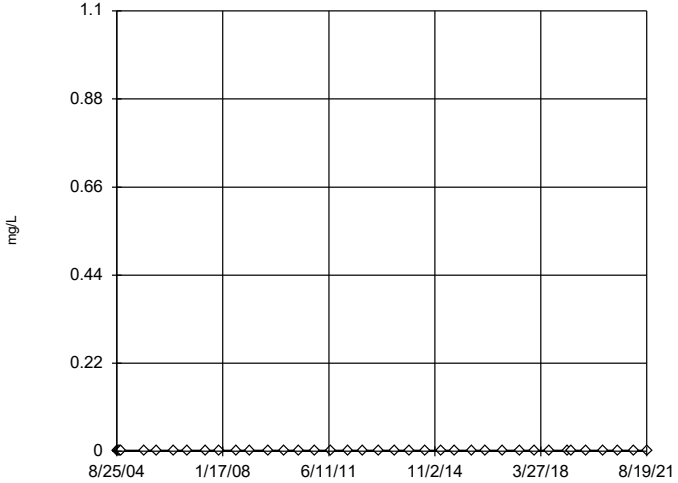
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-4A (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

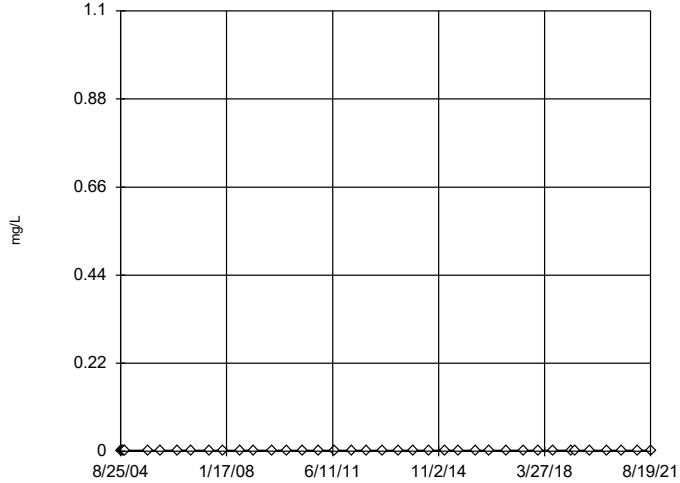
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

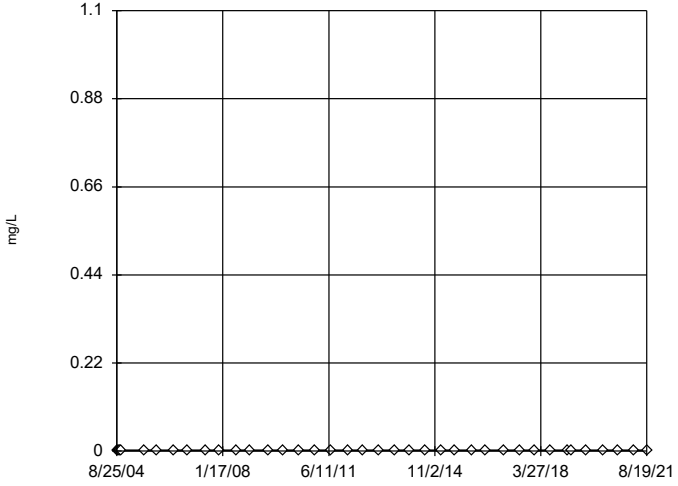
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 38

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

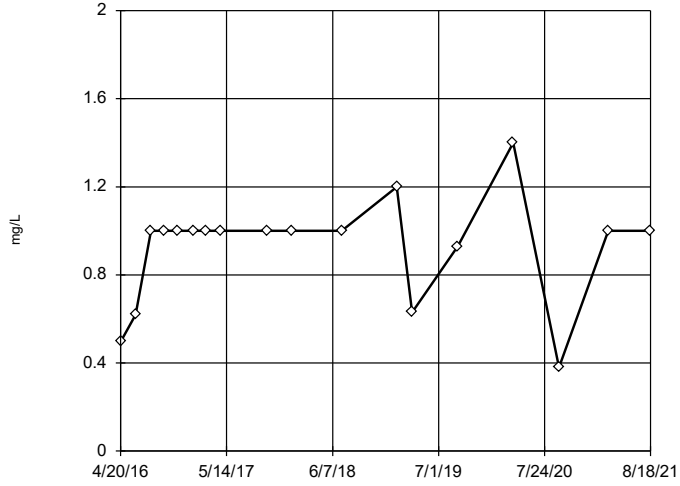
Constituent: Silver Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

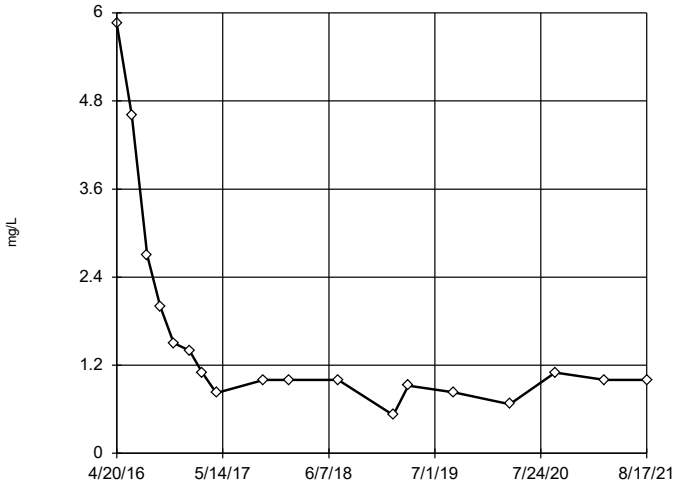
High cutoff = 1.452, low cutoff = -0.6902, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-14 (bg)



n = 18

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

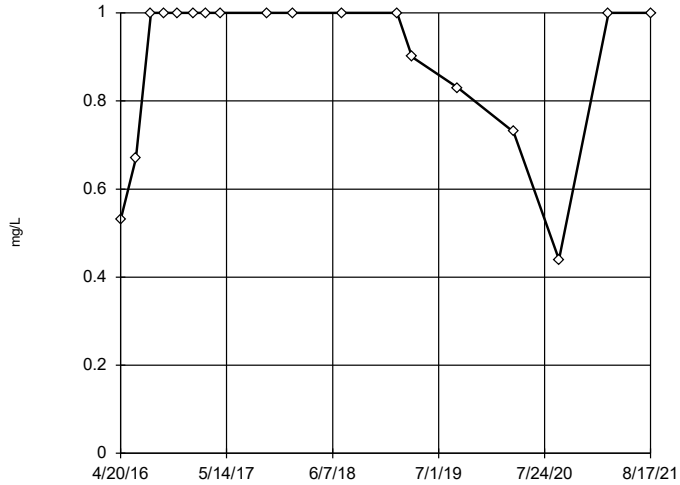
High cutoff = 13.49, low cutoff = 0.1122, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 18

No outliers found.
Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

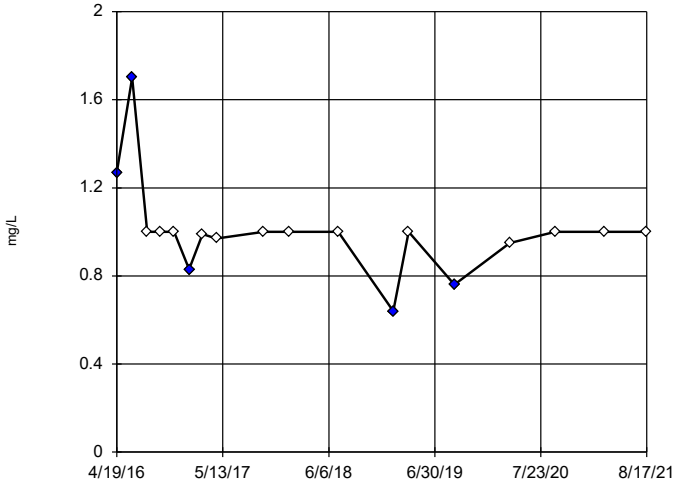
High cutoff = 1.368, low cutoff = -1.025, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 18

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

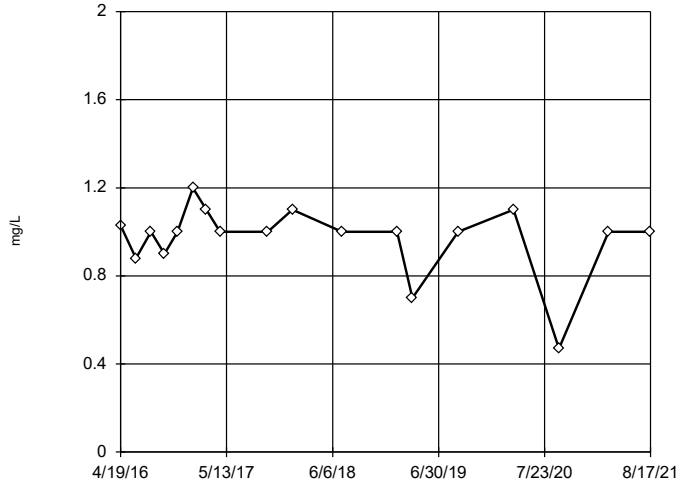
High cutoff = 1.13, low cutoff = 0.8492, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 18

No outliers found.
Tukey's method selected by user.

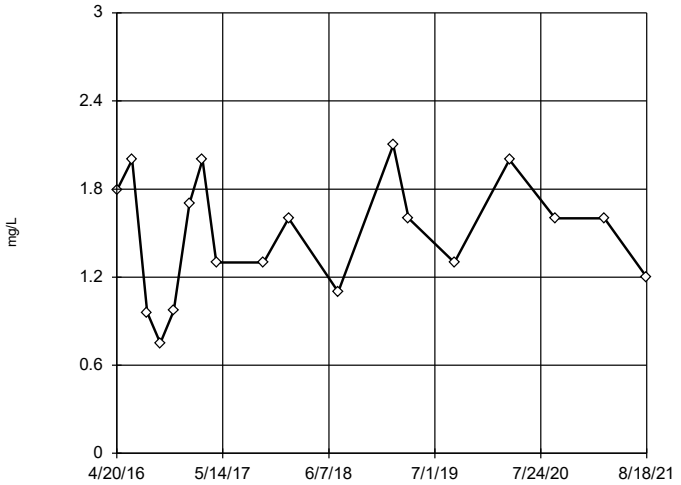
Data were x^4 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.281, low cutoff = -0.8697, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-1



n = 18

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

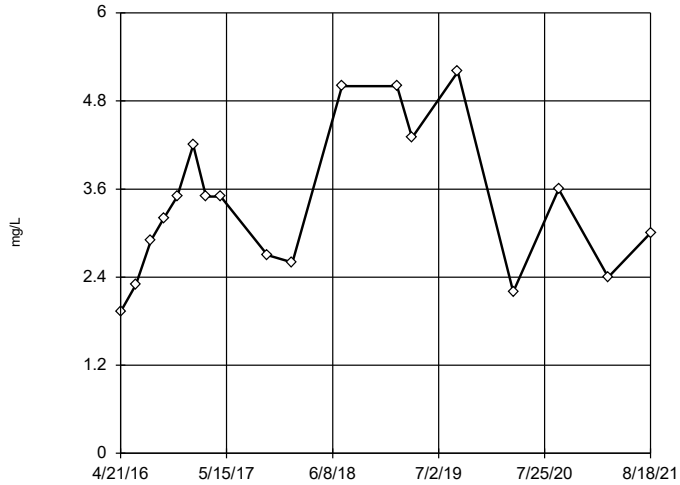
High cutoff = 4.13, low cutoff = -1.085, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

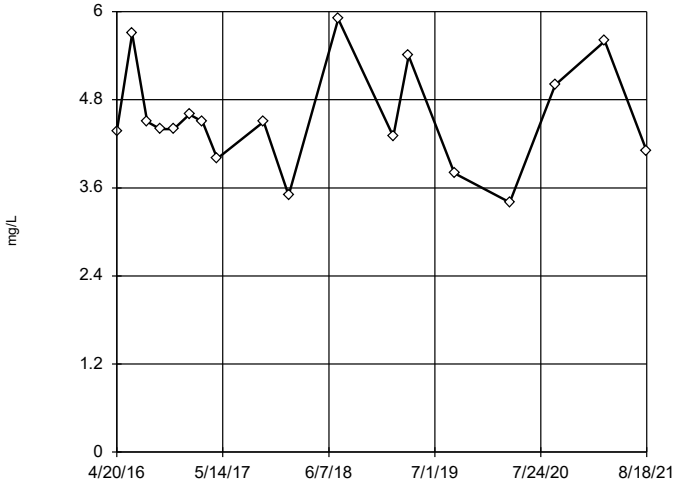
High cutoff = 20.92, low cutoff = 0.5073, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

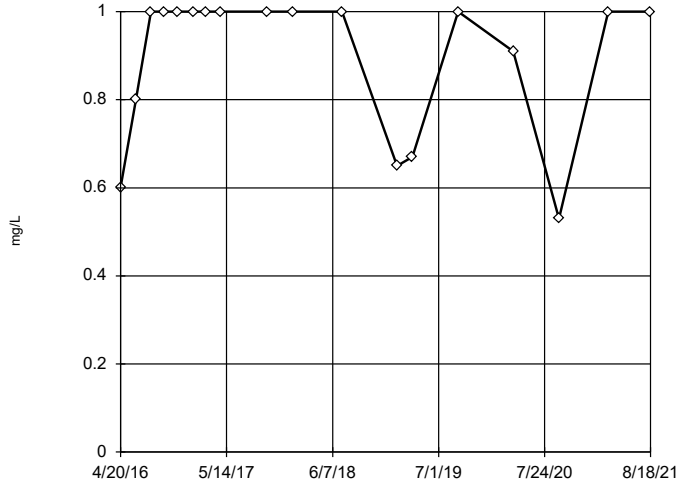
High cutoff = 10.98, low cutoff = 1.917, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 18

No outliers found. Tukey's method selected by user.

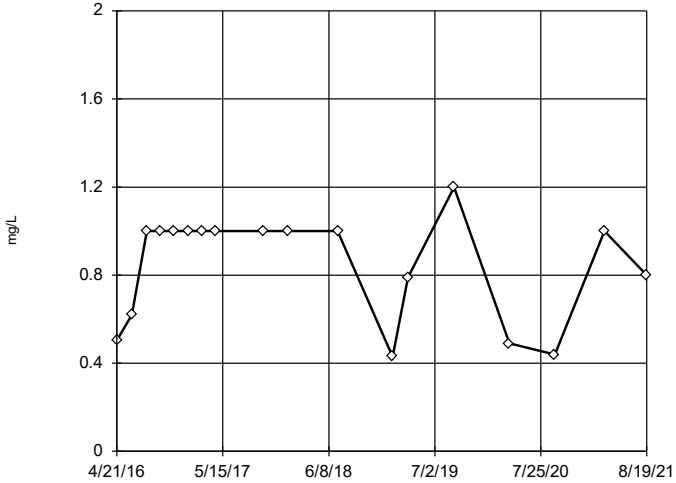
Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.538, low cutoff = -0.9068, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-15 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

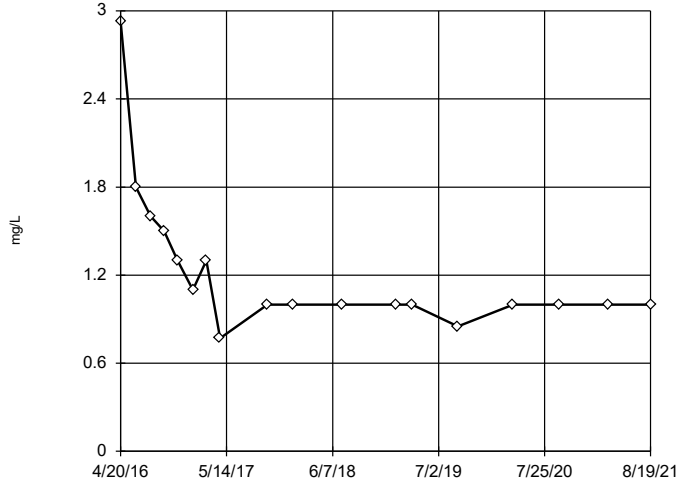
High cutoff = 1.511, low cutoff = -1.314, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

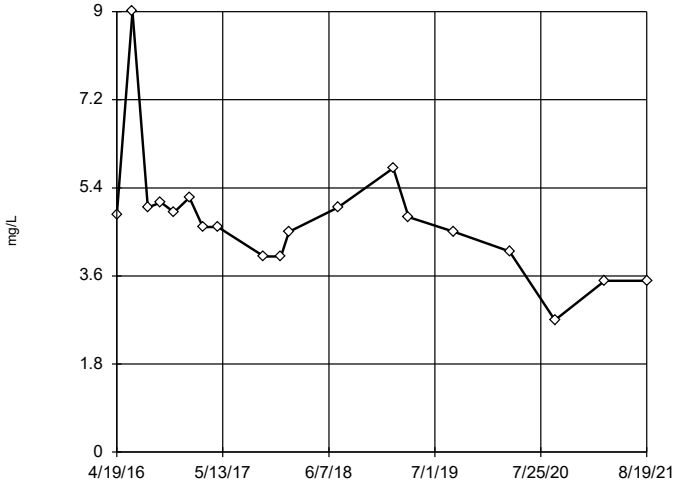
High cutoff = 3.803, low cutoff = 0.3672, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

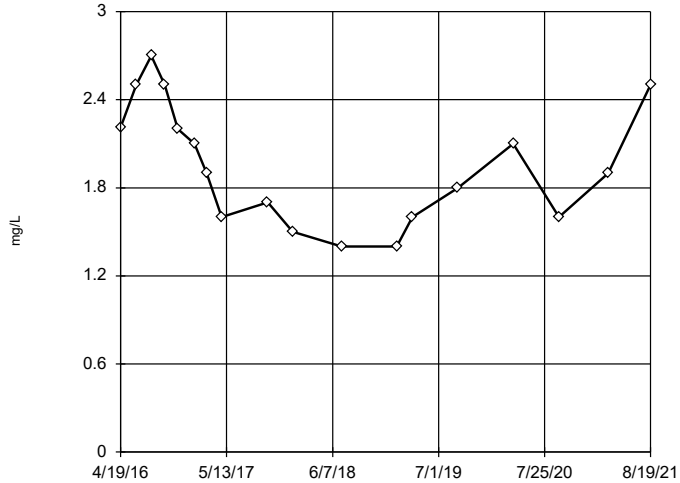
High cutoff = 9.766, low cutoff = 2.048, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 18

No outliers found. Tukey's method selected by user.

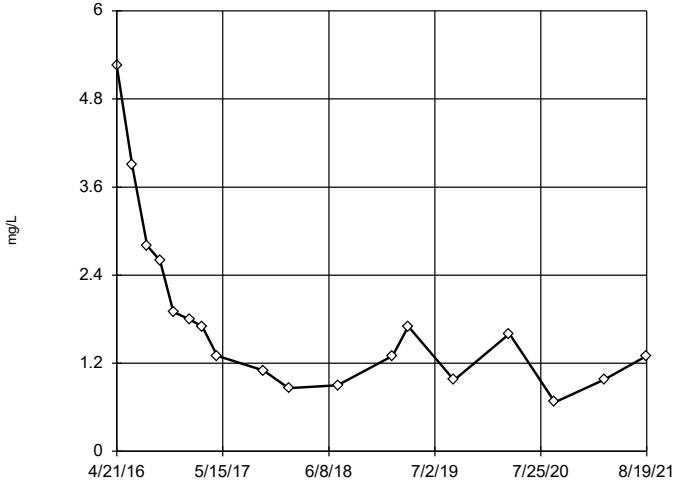
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.453, low cutoff = 0.5046, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-20



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 26.33, low cutoff = 0.0823, based on IQR multiplier of 3.

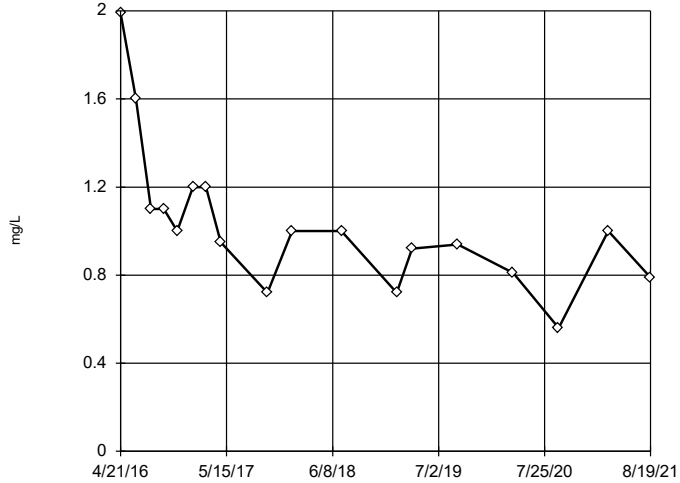
Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 3.404, low cutoff = 0.27, based on IQR multiplier of 3.

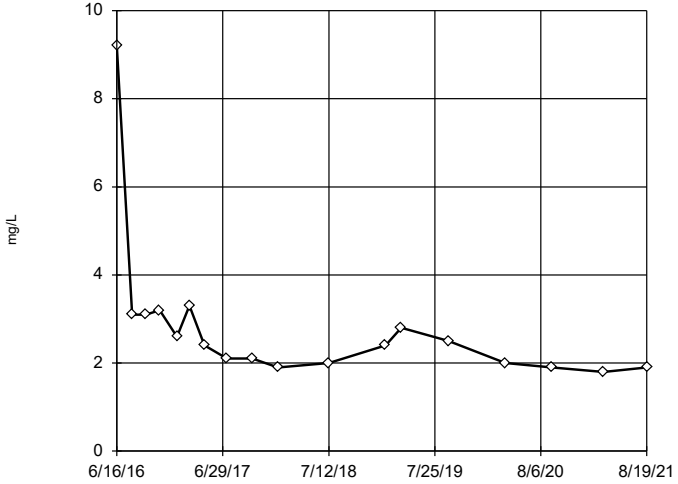
Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 12.47, low cutoff = 0.4847, based on IQR multiplier of 3.

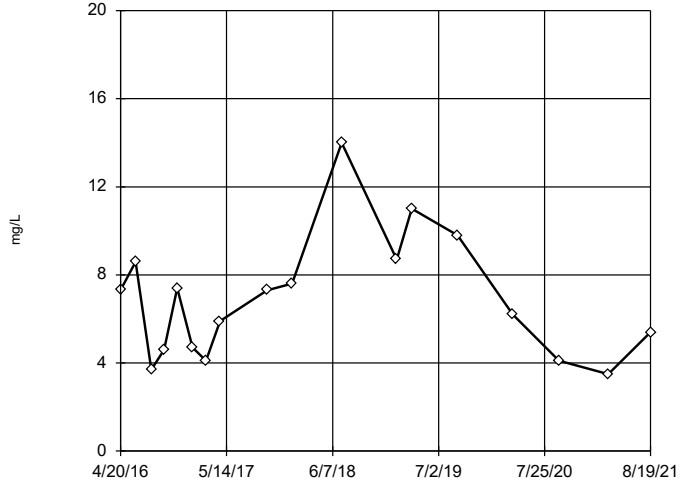
Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

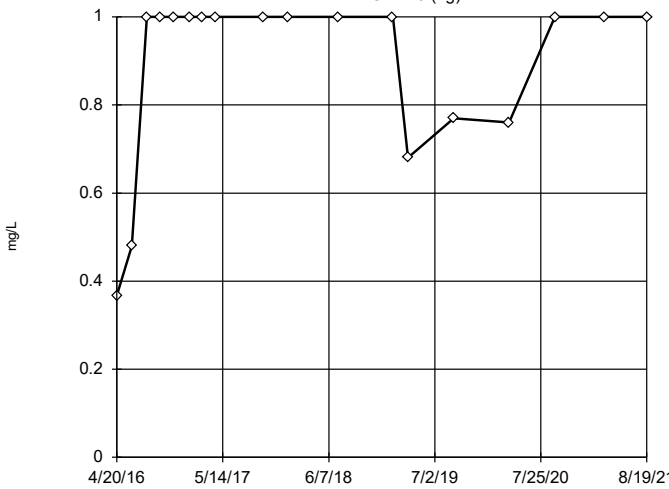
High cutoff = 68.35, low cutoff = 0.5496, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-5 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.498, low cutoff = -0.8118, based on IQR multiplier of 3.

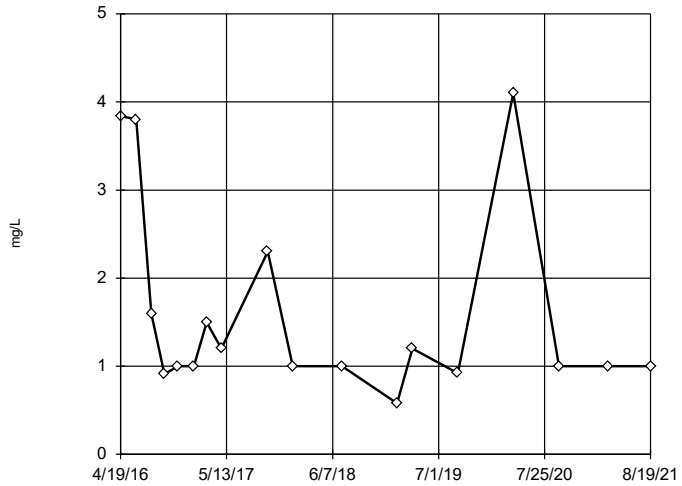
Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 13.54, low cutoff = 0.1417, based on IQR multiplier of 3.

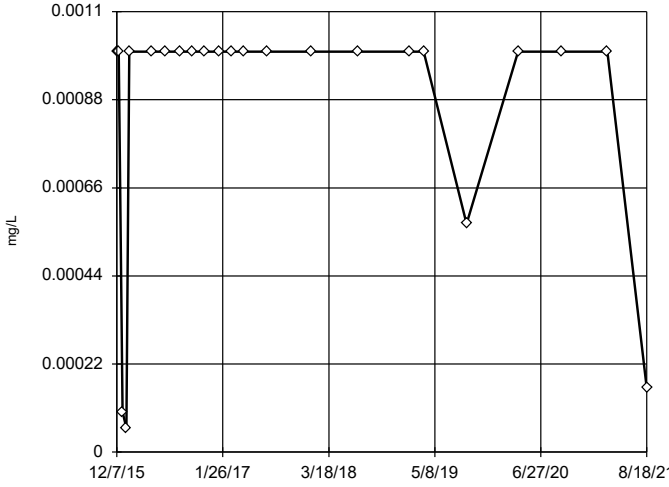
Constituent: Sulfate Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

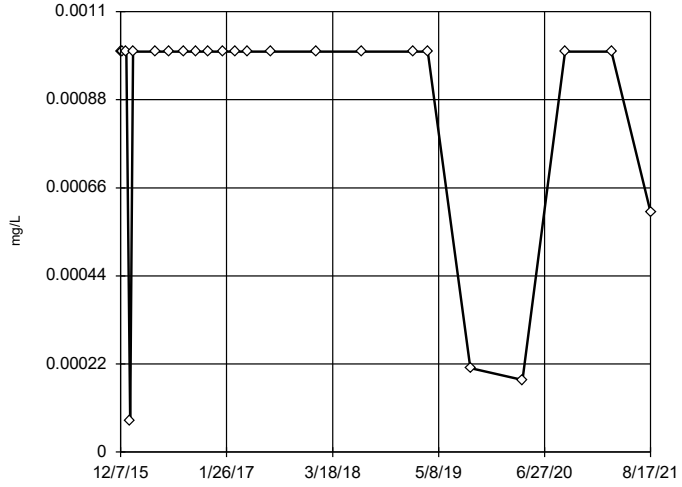
Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

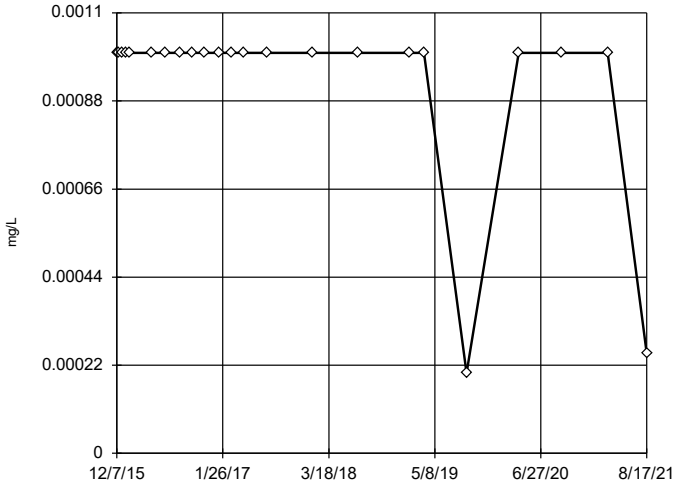
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-16 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

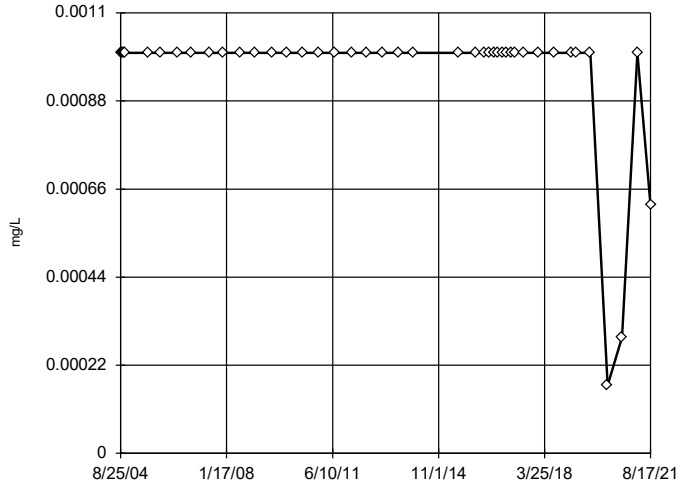
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 42

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

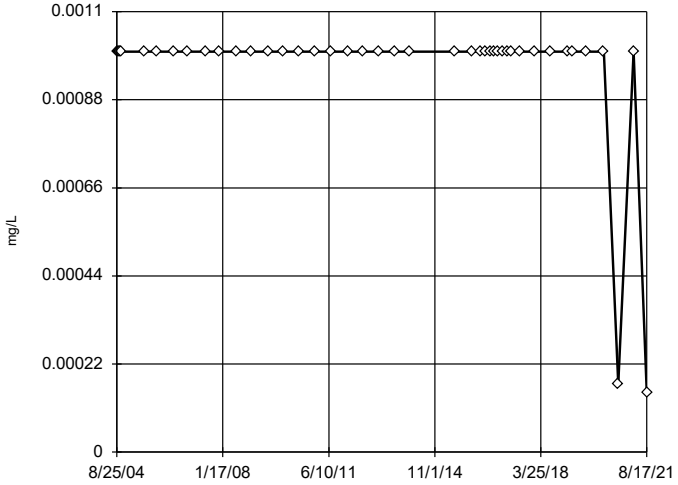
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 42

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

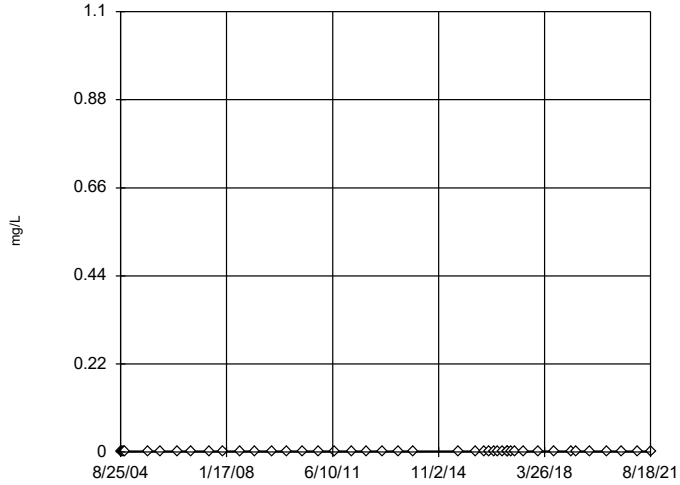
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 43

No outliers found. Tukey's method selected by user.

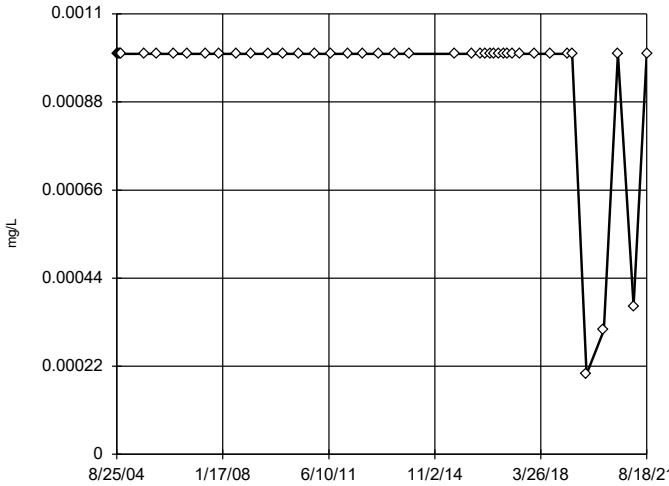
Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-10



n = 42

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

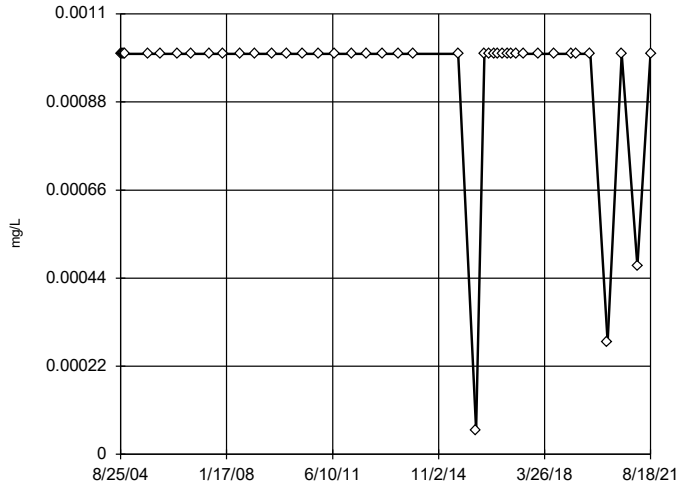
Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 42

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

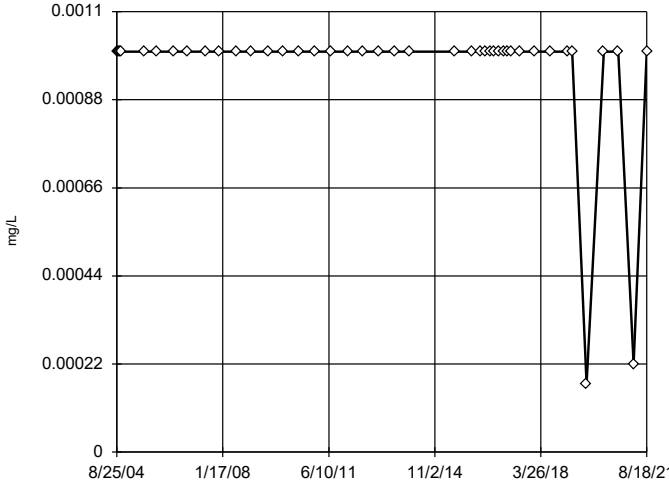
Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 42

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

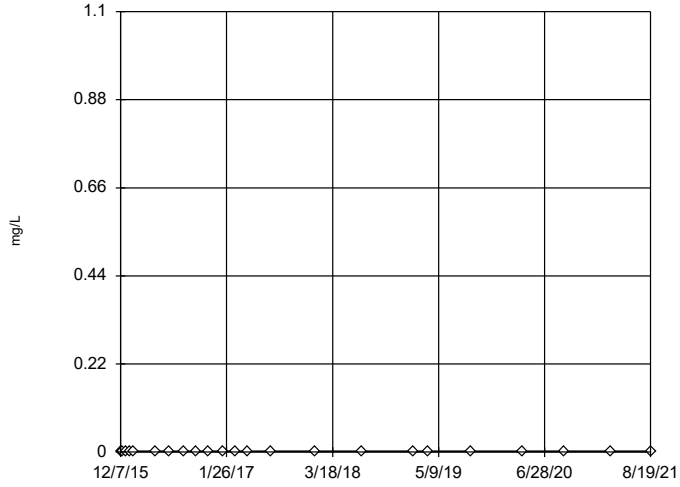
Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

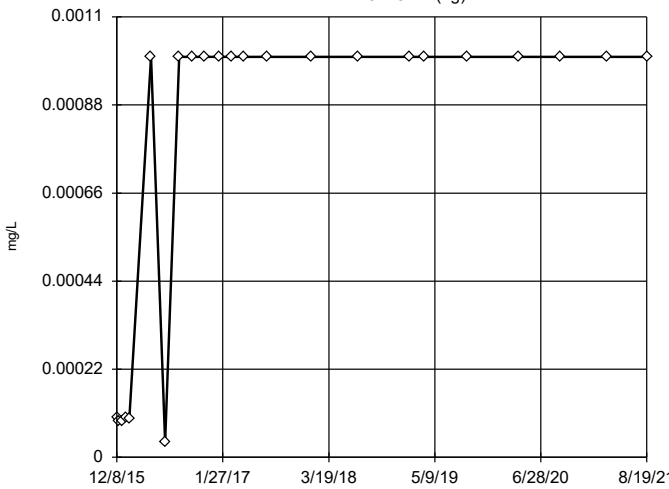
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-17 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1, low cutoff = 1.0e-7, based on IQR multiplier of 3.

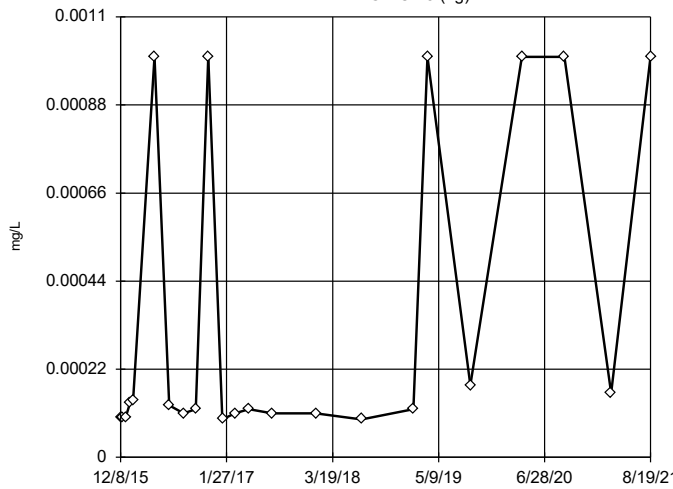
Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.7513, low cutoff = 1.5e-7, based on IQR multiplier of 3.

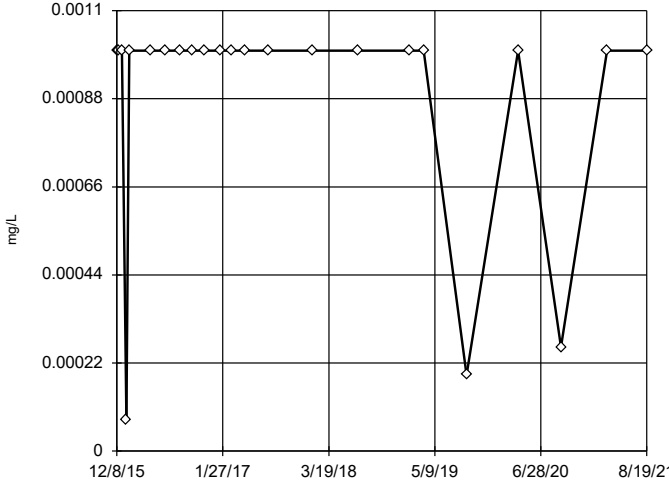
Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

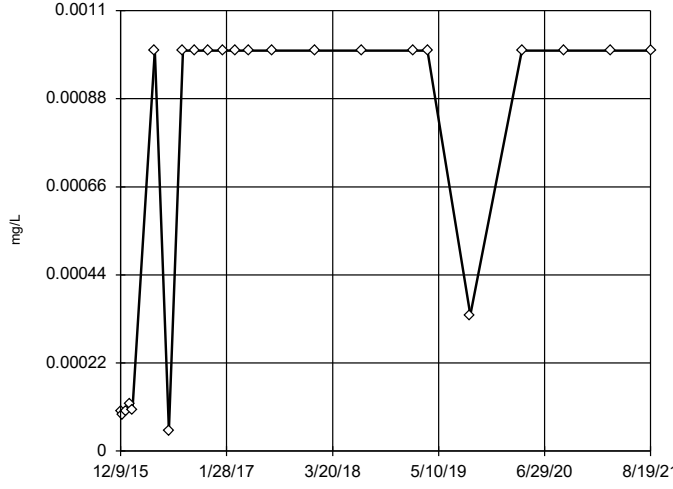
Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

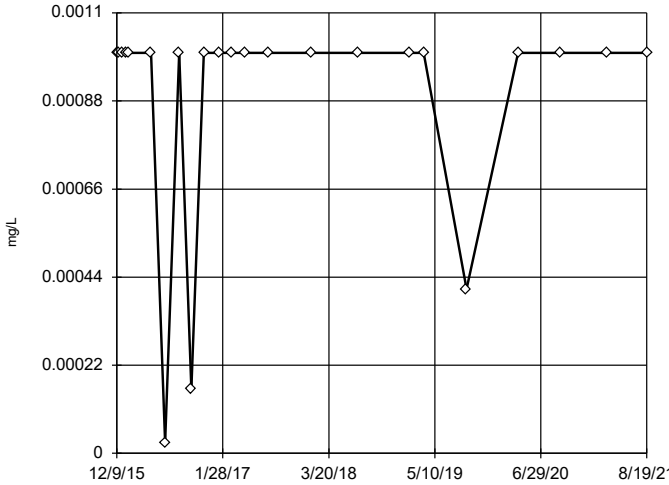
High cutoff = 0.6086, low cutoff = 1.9e-7, based on IQR multiplier of 3.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

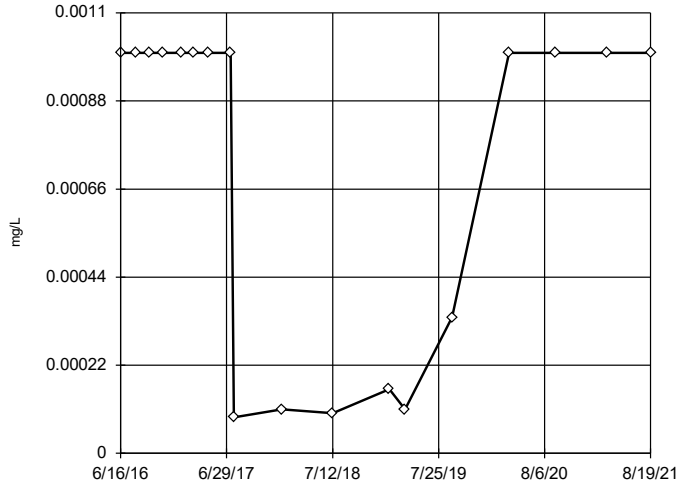
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

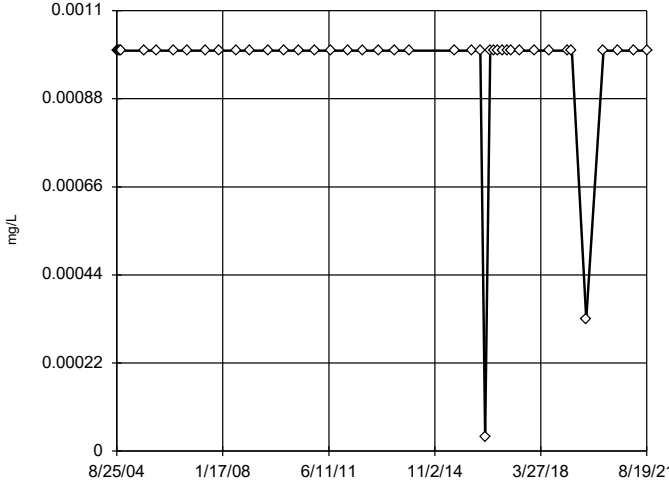
High cutoff = 0.4283, low cutoff = 3.1e-7, based on IQR multiplier of 3.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 42

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

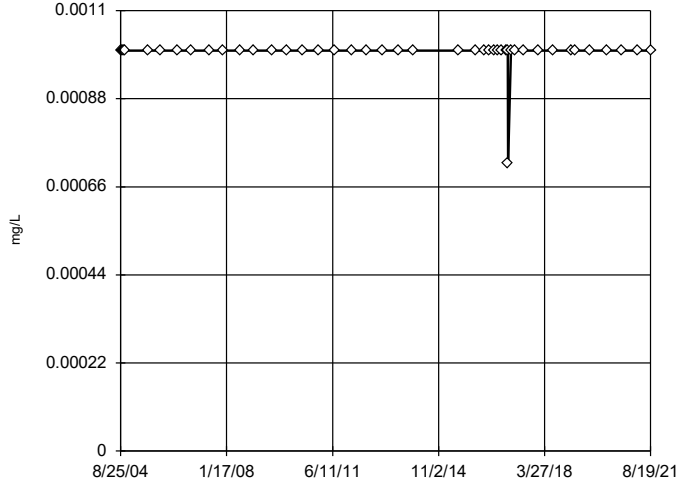
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 44

No outliers found. Tukey's method selected by user.

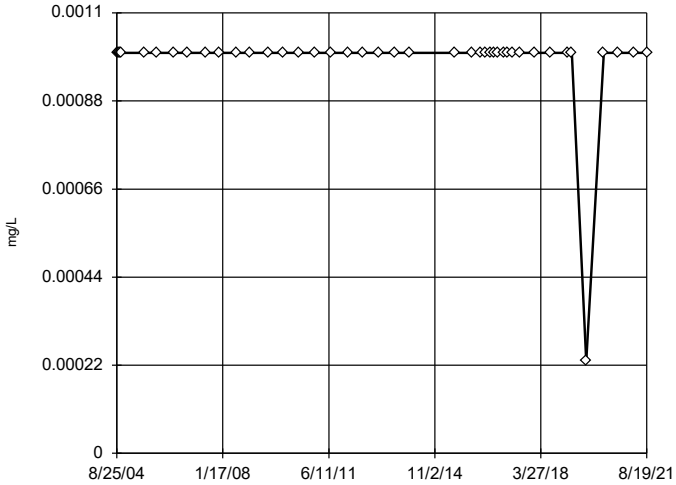
Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-9



n = 42

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

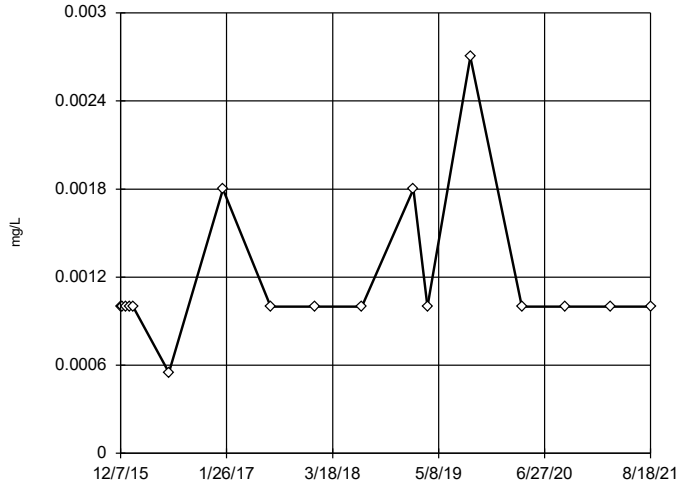
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-13 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

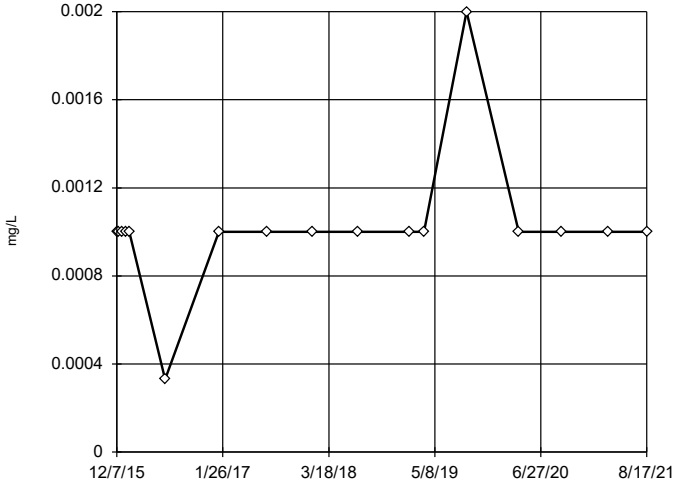
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

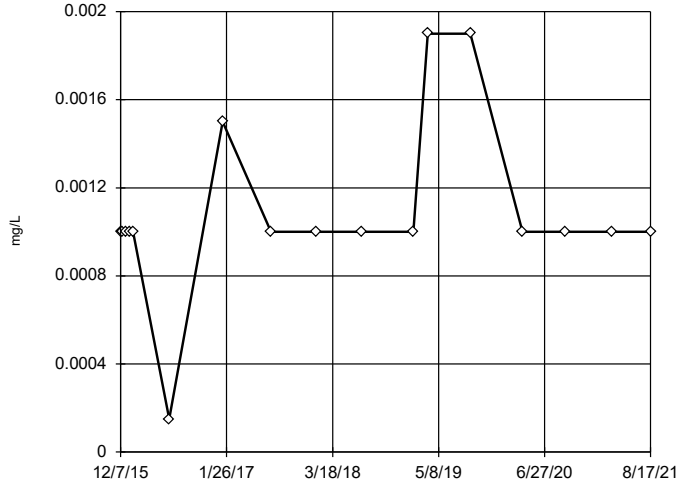
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 17

No outliers found. Tukey's method selected by user.

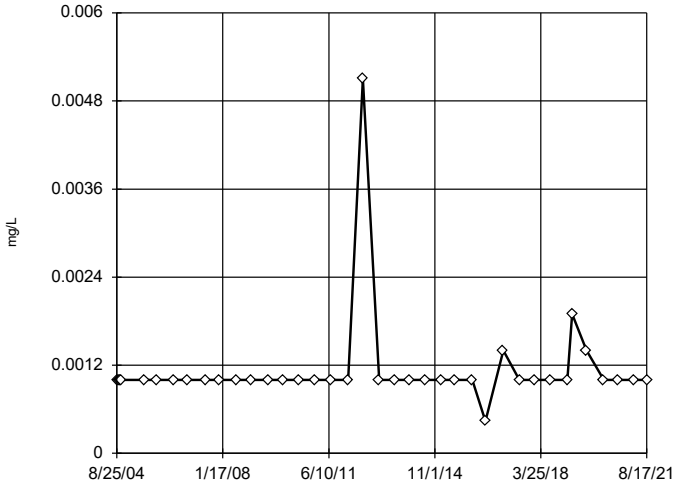
Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-2 (bg)



n = 38

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

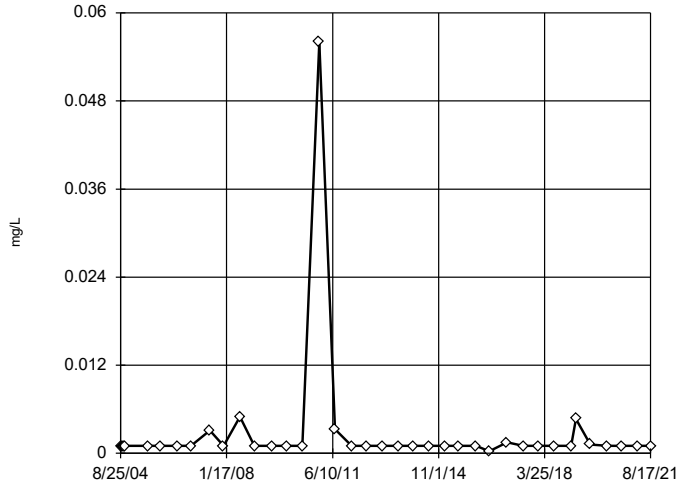
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 38

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

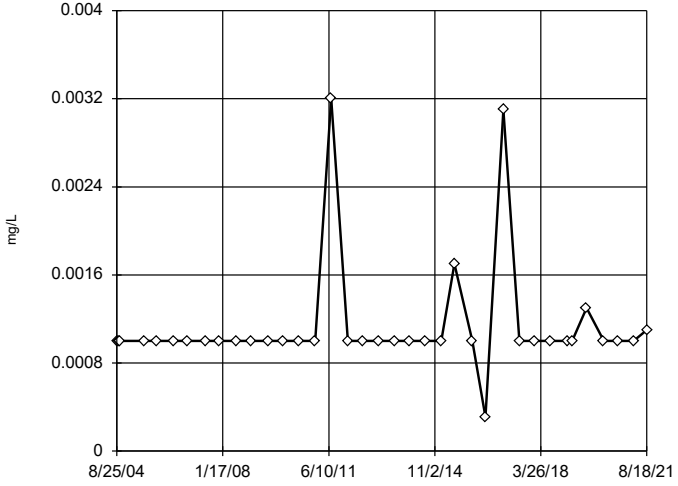
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 37

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

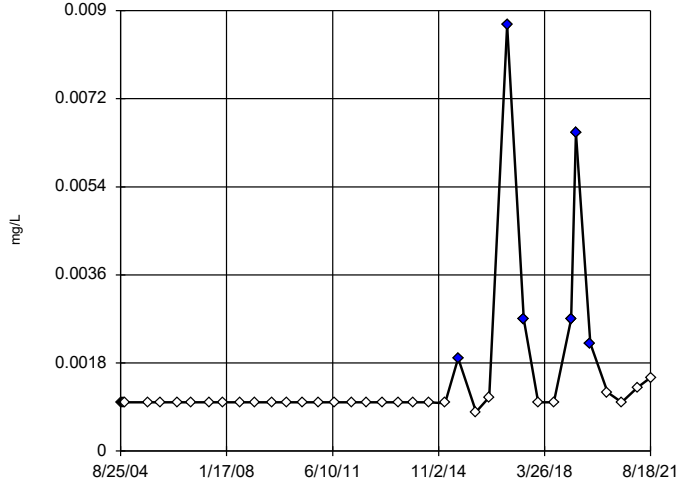
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 38

Outliers are drawn as solid.
Tukey's method selected by user.

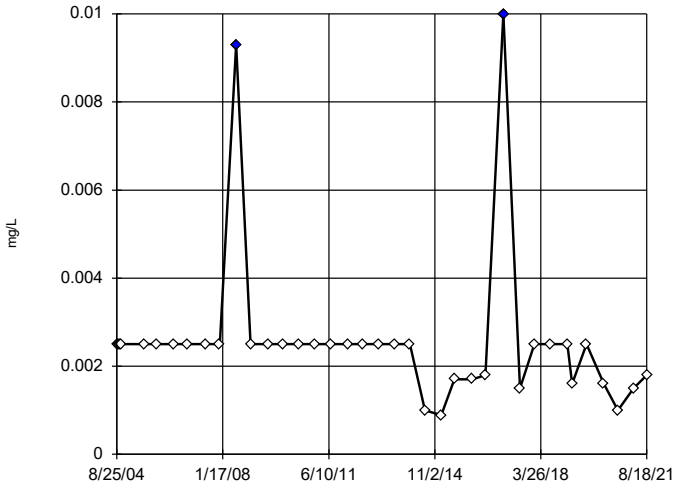
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001742, low cutoff = 0.0006594, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-11



n = 38

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

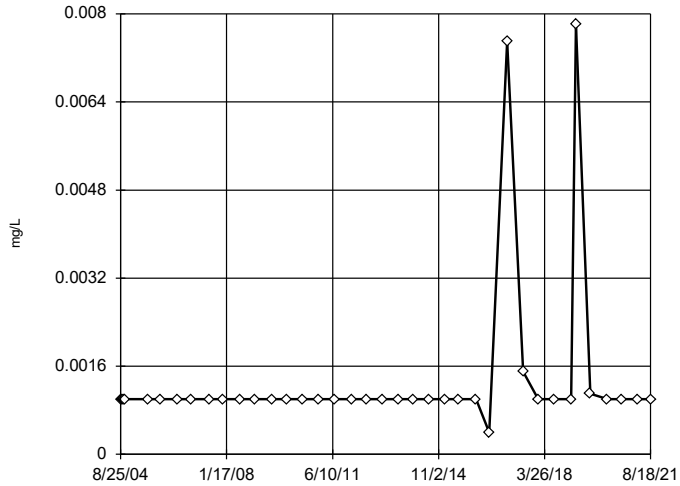
High cutoff = 0.007298, low cutoff = 0.0005993, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 38

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

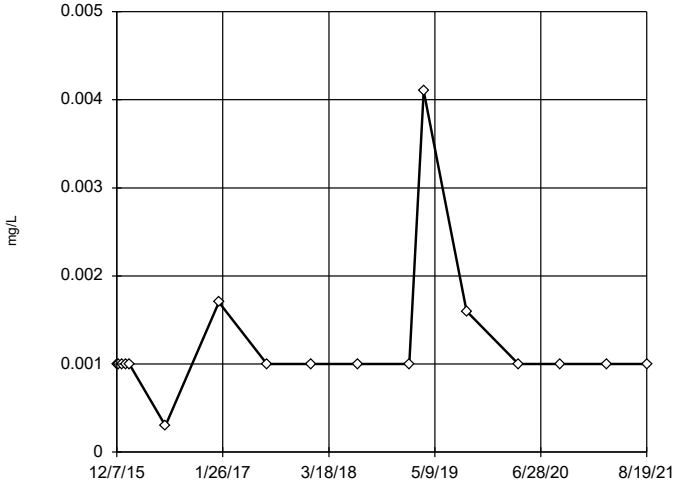
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 17

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

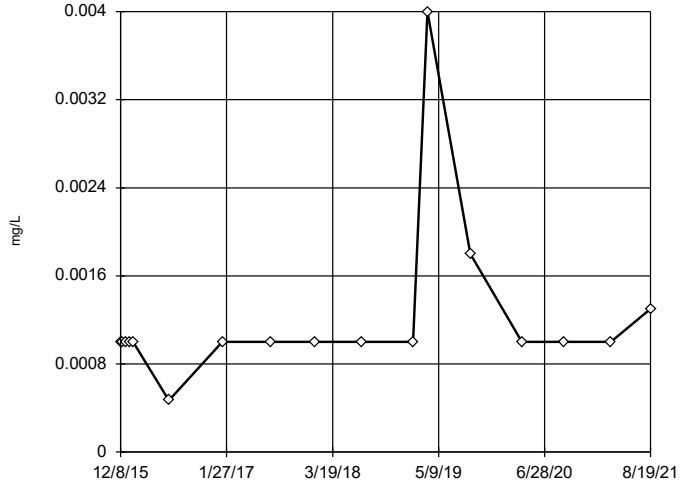
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 17

No outliers found.
Tukey's method selected by user.

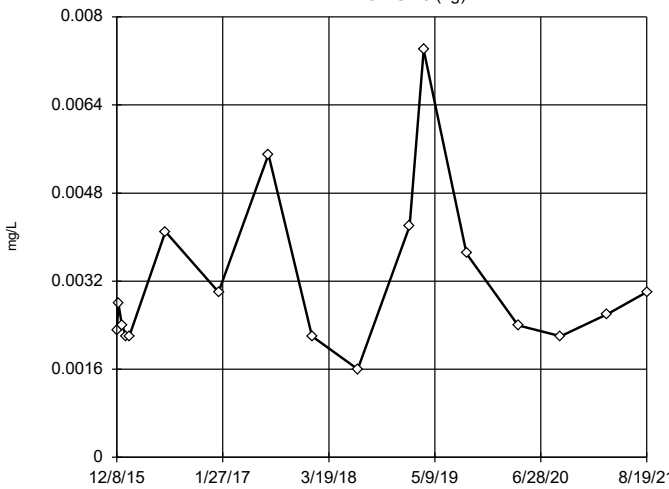
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-18 (bg)



n = 17

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

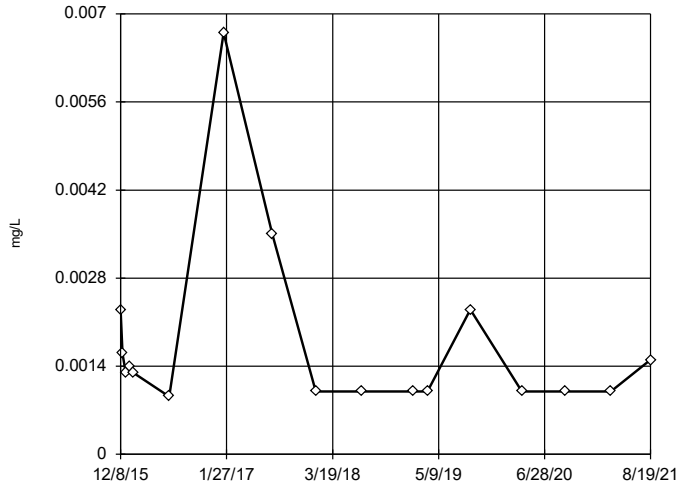
High cutoff = 0.02161, low cutoff = 0.0003965, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 17

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

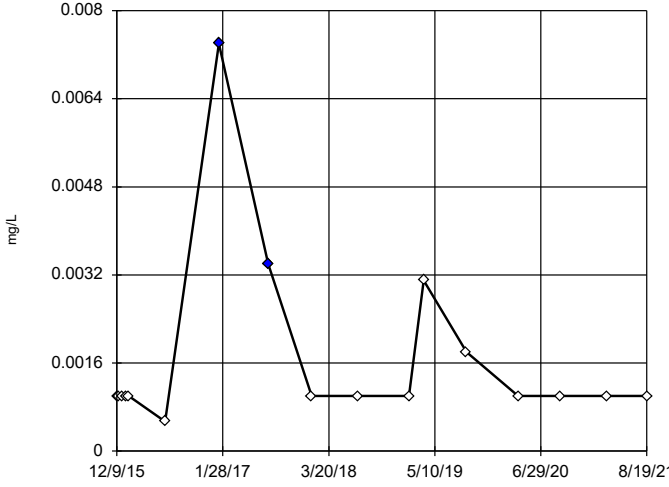
High cutoff = 0.01354, low cutoff = 0.0001417, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 17

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

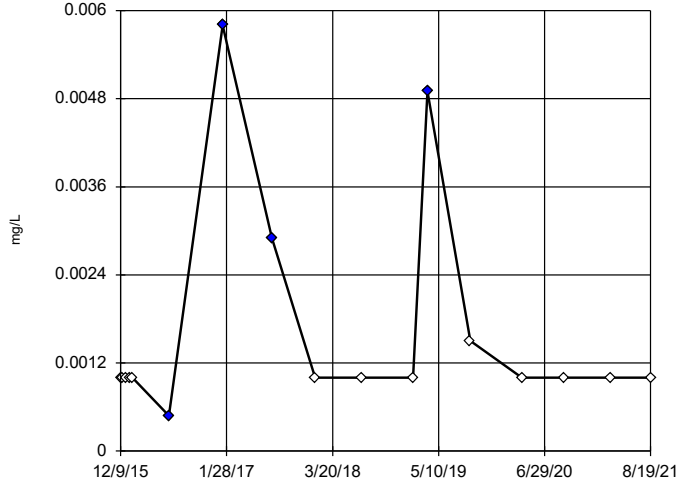
High cutoff = 0.00324, low cutoff = 0.0004141, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 17

Outliers are drawn as solid.
Tukey's method selected by user.

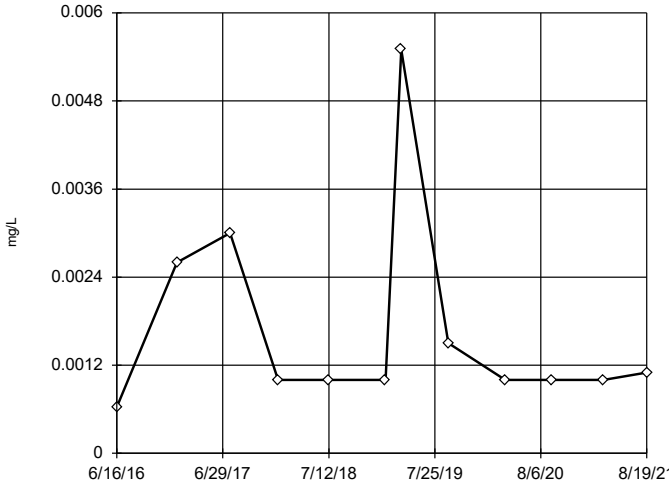
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00225, low cutoff = 0.0005443, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-23



n = 12

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01521, low cutoff = 0.0001298, based on IQR multiplier of 3.

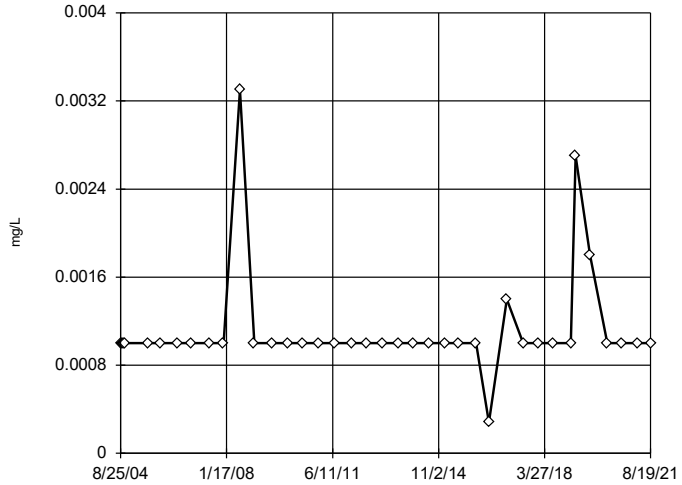
Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4A (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

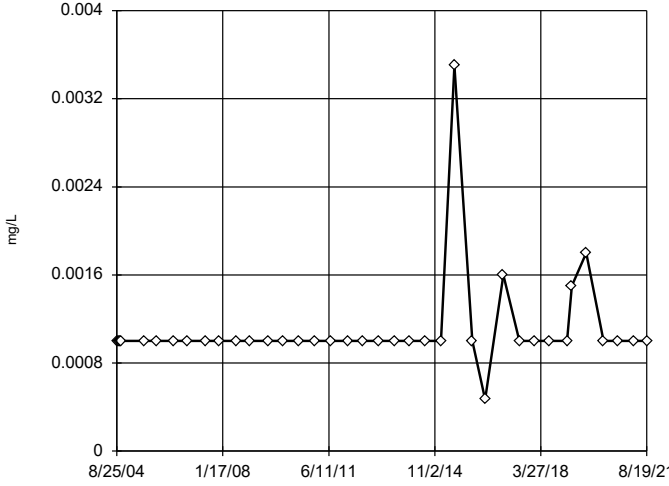
Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

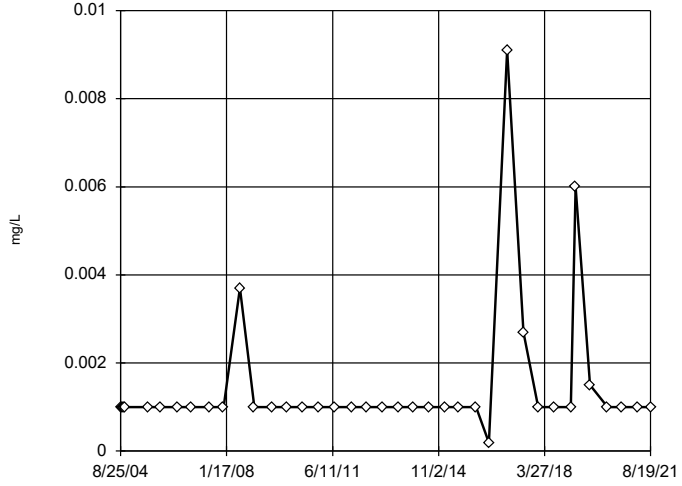
Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

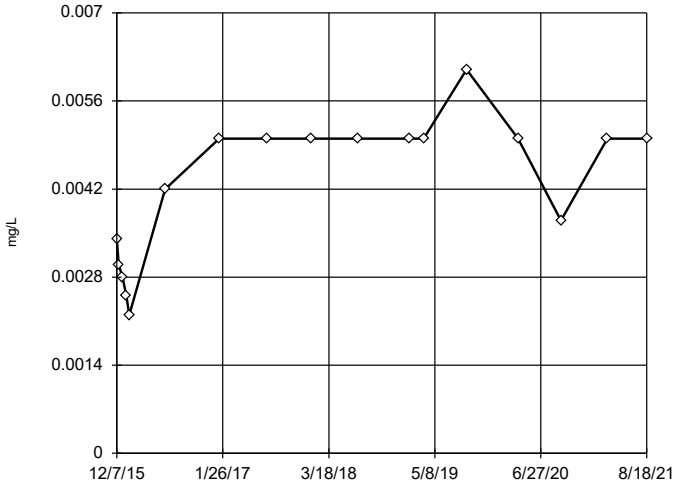
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-13 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008316, low cutoff = -0.005821, based on IQR multiplier of 3.

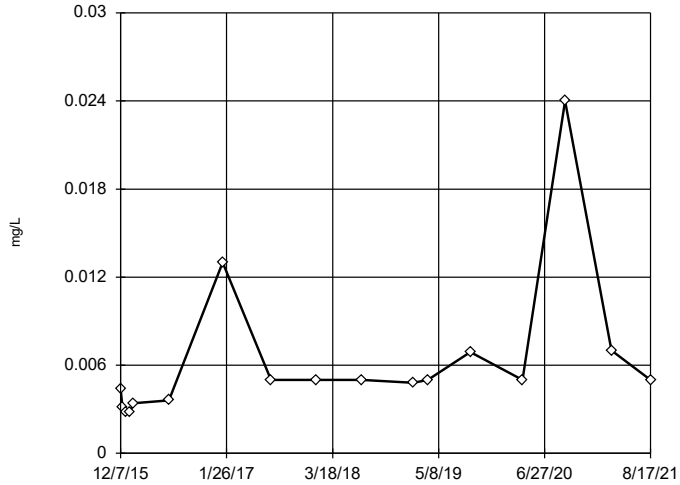
Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-14 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02779, low cutoff = 0.0007393, based on IQR multiplier of 3.

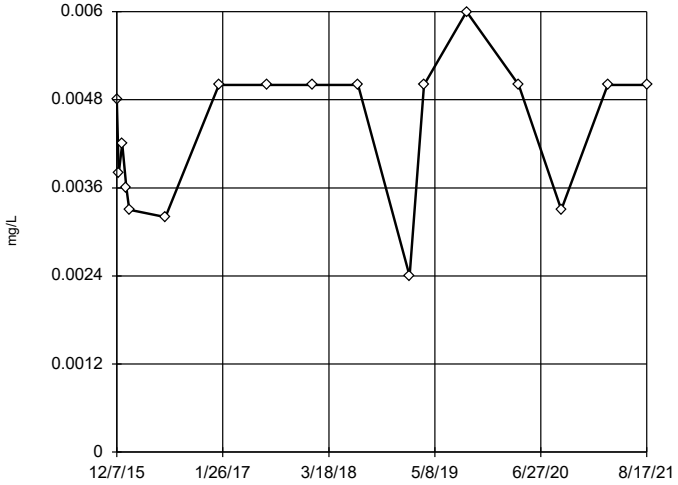
Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-16 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008014, low cutoff = -0.005225, based on IQR multiplier of 3.

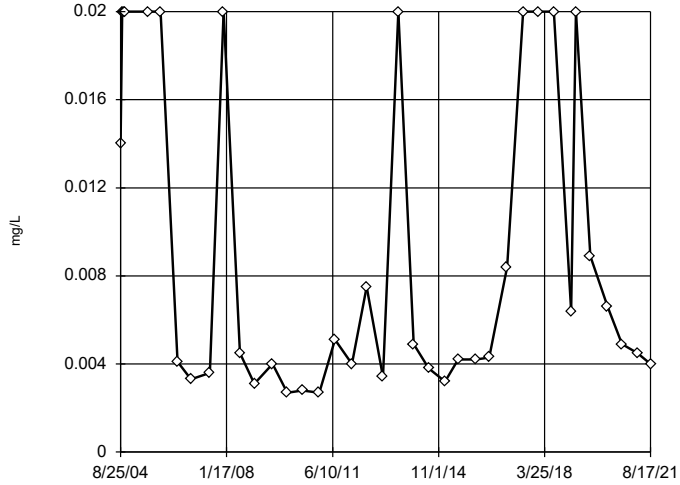
Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

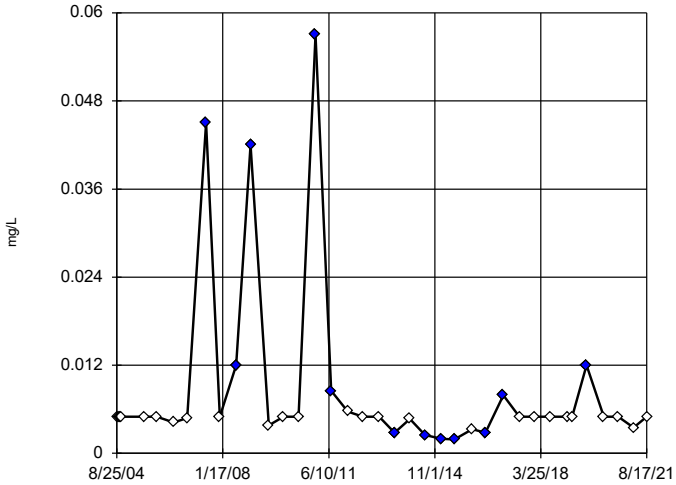
High cutoff = 2.7, low cutoff = 0.00002888, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-3 (bg)



n = 38

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

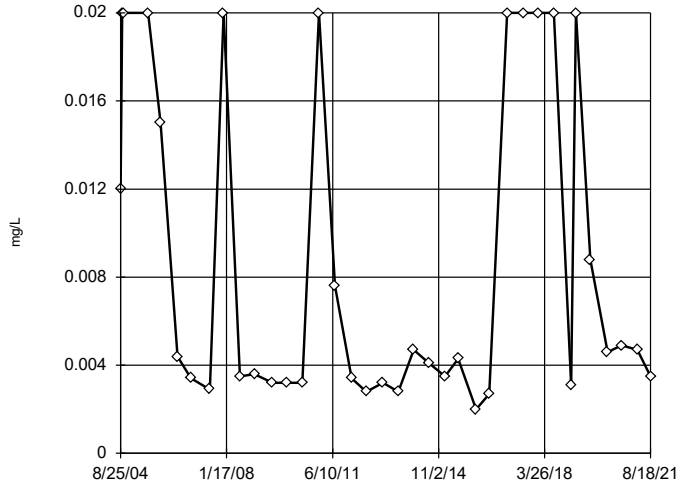
High cutoff = 0.007126, low cutoff = 0.003117, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-1



n = 37

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

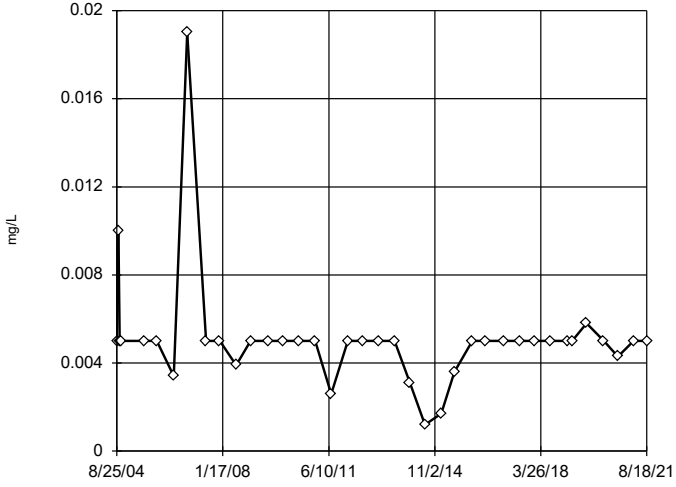
High cutoff = 4.883, low cutoff = 0.00001311, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 38

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

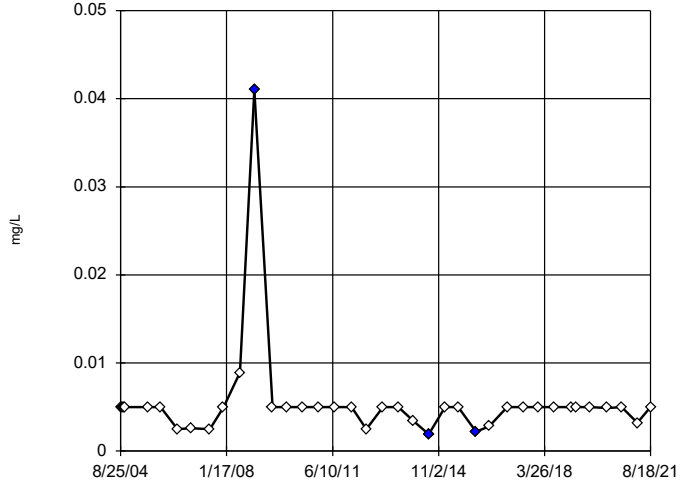
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 38

Outliers are drawn as solid.
Tukey's method selected by user.

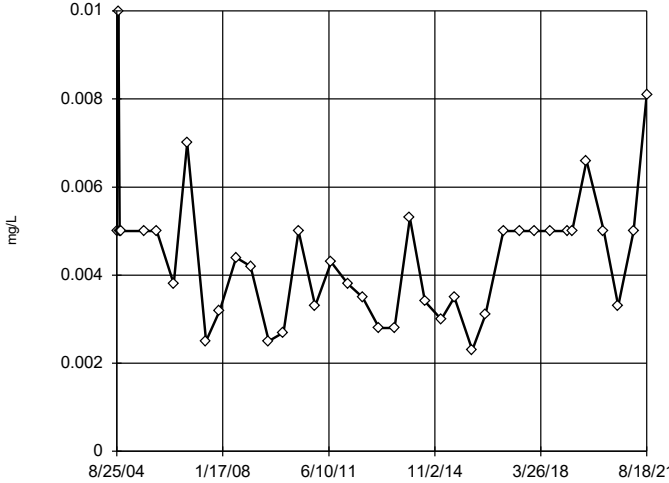
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.009191, low cutoff = 0.00222, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-12



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01821, low cutoff = 0.0008921, based on IQR multiplier of 3.

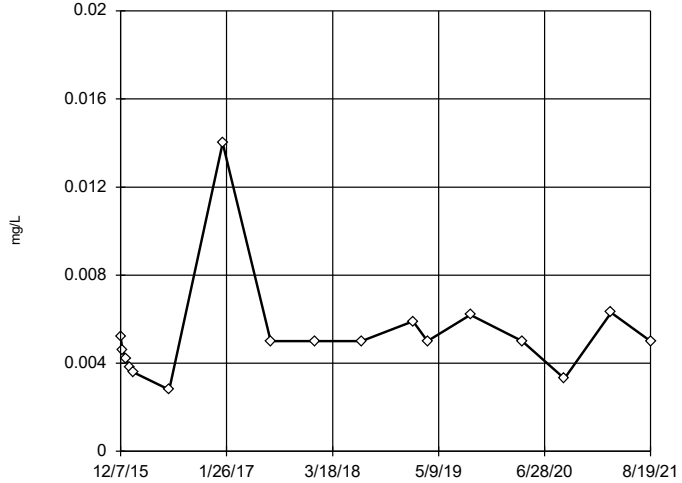
Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-15 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01476, low cutoff = 0.001499, based on IQR multiplier of 3.

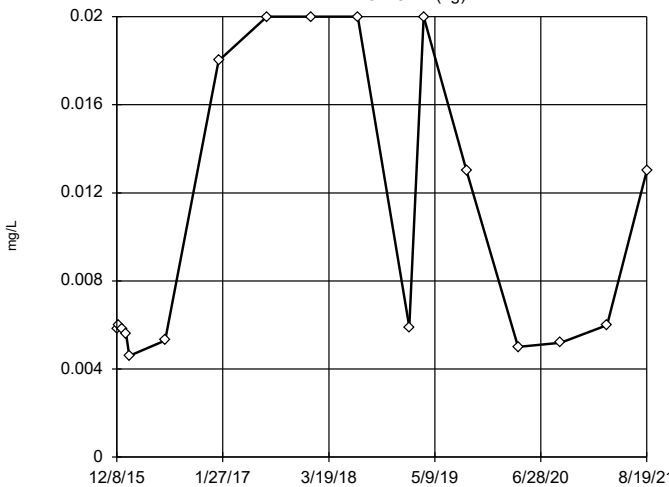
Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17 (bg)



n = 17

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.8015, low cutoff = 0.000129, based on IQR multiplier of 3.

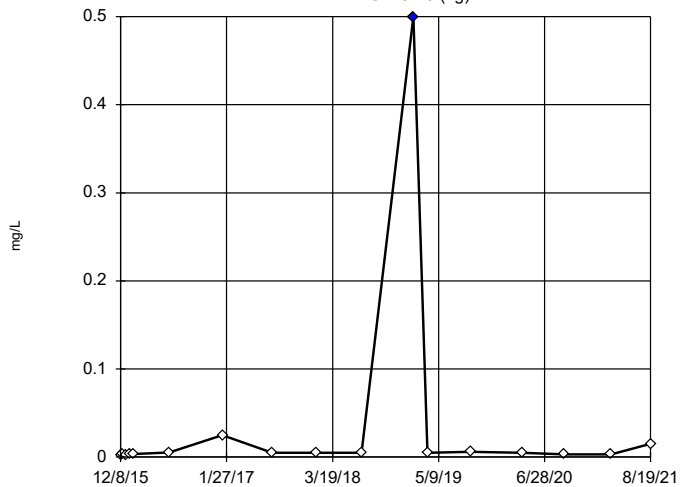
Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18 (bg)



n = 17

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

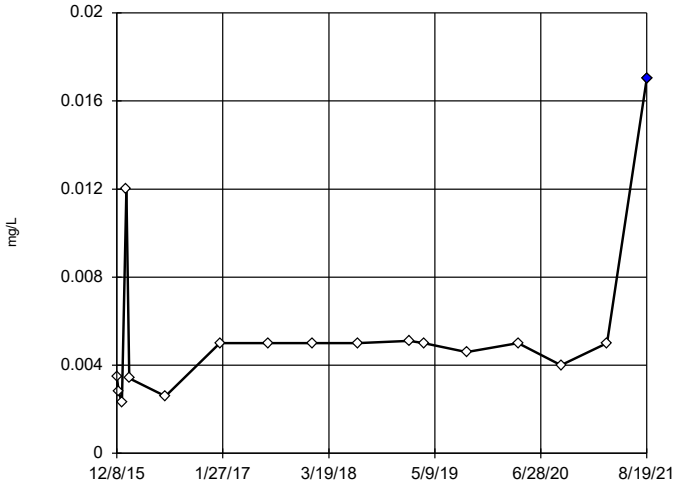
High cutoff = 0.02776, low cutoff = 0.0006331, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:00 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWC-19



n = 17

Outlier is drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

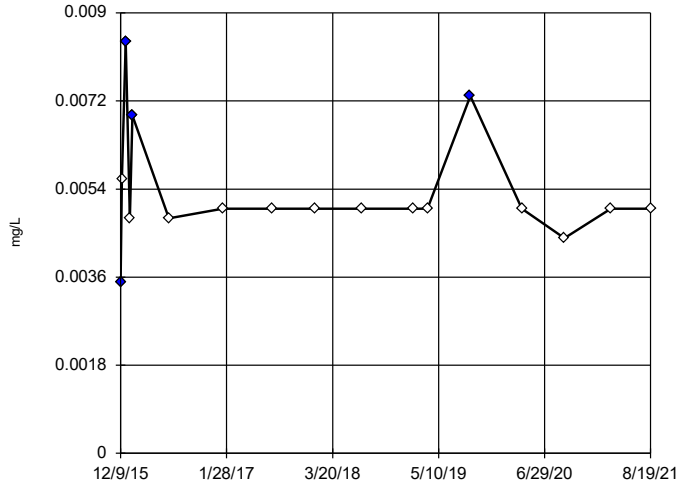
High cutoff = 0.01523, low cutoff = 0.001133, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:01 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 17

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

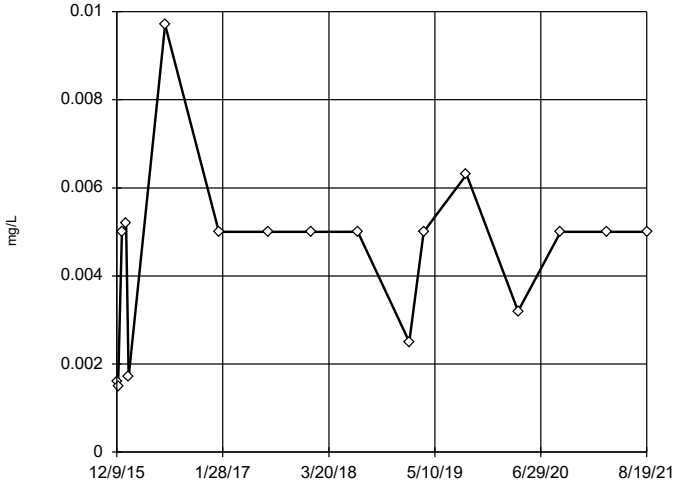
High cutoff = 0.006668, low cutoff = 0.003888, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:01 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 17

No outliers found.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

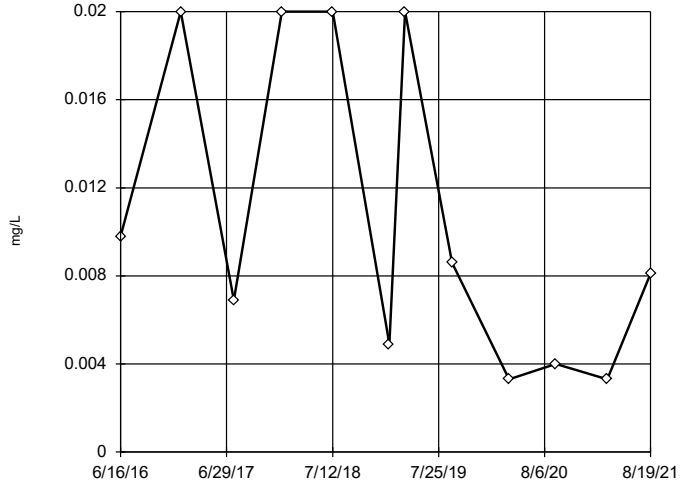
High cutoff = 0.01513, low cutoff = 0.00000101, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:01 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 12

No outliers found.
Tukey's method selected by user.

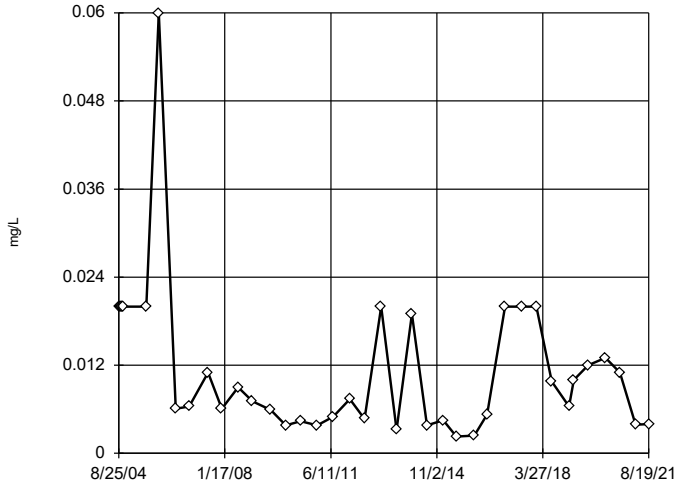
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.844, low cutoff = 0.00004802, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 8/2/2022 4:01 PM View: Outliers
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening

GWA-4A (bg)



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.816, low cutoff = 0.00004901, based on IQR multiplier of 3.

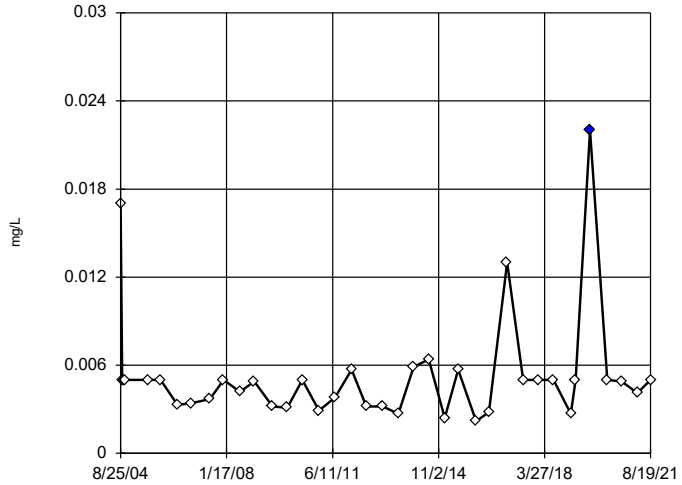
Constituent: Zinc Analysis Run 8/2/2022 4:01 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-5 (bg)



n = 38

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01907, low cutoff = 0.0008389, based on IQR multiplier of 3.

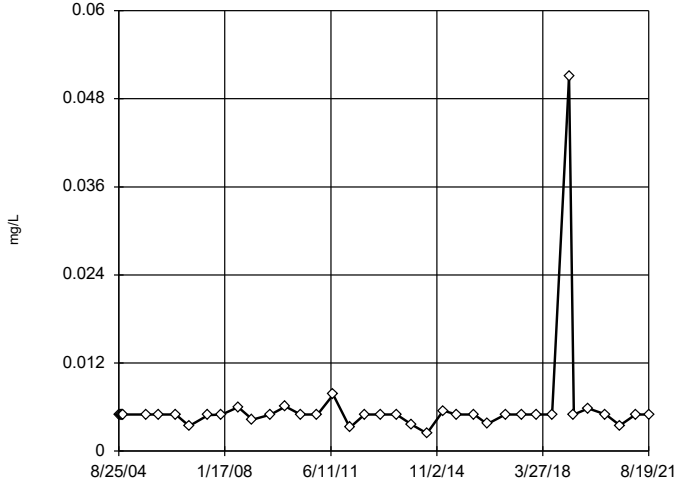
Constituent: Zinc Analysis Run 8/2/2022 4:01 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 38

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Zinc Analysis Run 8/2/2022 4:01 PM View: Outliers

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Test - Upgradient Wells - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 3:56 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Calcium (mg/L)	**GWA-13,GWA-14,GWA...**	**Yes**	**5.5,26,33.2,18,17,17,17,15,15,16,14,14,12,12,11,1**	**NP**	**NaN**	**191**	**2.493**	**4.739**	**x^6**	**ChiSquared**
Chloride (mg/L)	**GWA-13,GWA-14,GWA...**	**Yes**	**9.4,8.3,8.6,6.3,6.1,6.1,6.2,18**	**NP**	**NaN**	**190**	**4.242**	**1.319**	**x^6**	**ChiSquared**
pH (S.U.)	**GWA-13,GWA-14,GWA...**	**Yes**	**7.1,6.87,6.84,6.42,6.57,6.51,6.43,6.48,6.58,6.37,**	**NP**	**NaN**	**210**	**5.234**	**0.4853**	**x^6**	**ChiSquared**
Total Dissolved Solids (mg/L)	**GWA-13,GWA-14,GWA...**	**Yes**	**47,65,67,55,48,48,48,48,46,58,56,85,106,150,78,43**	**NP**	**NaN**	**190**	**27.88**	**24.01**	**x^6**	**ChiSquared**

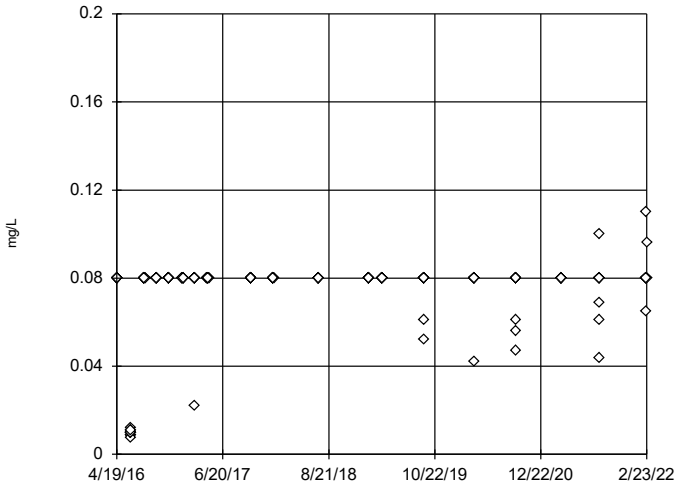
Tukey's Outlier Test - Upgradient Wells - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 3:56 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Boron (mg/L)	GWA-13,GWA-14,GWA...	n/a	n/a	NP	NaN	190	0.07507	0.01726	unknown	ChiSquared
Calcium (mg/L)	**GWA-13,GWA-14,GWA...**	**Yes**	**5.5,26,33.2,18,17,17,17,15,15,16,14,14,12,12,11,1**	**NP**	**NaN**	**191**	**2.493**	**4.739**	**x^6**	**ChiSquared**
Chloride (mg/L)	**GWA-13,GWA-14,GWA...**	**Yes**	**9.4,8.3,8.6,6.3,6.1,6.1,6.2,18**	**NP**	**NaN**	**190**	**4.242**	**1.319**	**x^6**	**ChiSquared**
Fluoride (mg/L)	GWA-13,GWA-14,GWA...	n/a	n/a	NP	NaN	191	0.1444	0.1614	unknown	ChiSquared
pH (S.U.)	**GWA-13,GWA-14,GWA...**	**Yes**	**7.1,6.87,6.84,6.42,6.57,6.51,6.43,6.48,6.58,6.37,**	**NP**	**NaN**	**210**	**5.234**	**0.4853**	**x^6**	**ChiSquared**
Total Dissolved Solids (mg/L)	**GWA-13,GWA-14,GWA...**	**Yes**	**47,65,67,55,48,48,48,48,46,58,56,85,106,150,78,43**	**NP**	**NaN**	**190**	**27.88**	**24.01**	**x^6**	**ChiSquared**

Tukey's Outlier Screening, Pooled Background

GWA-13,GWA-14,GWA-16,GWA-2,GWA-3,GWA-...



n = 190

No outliers found.
Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

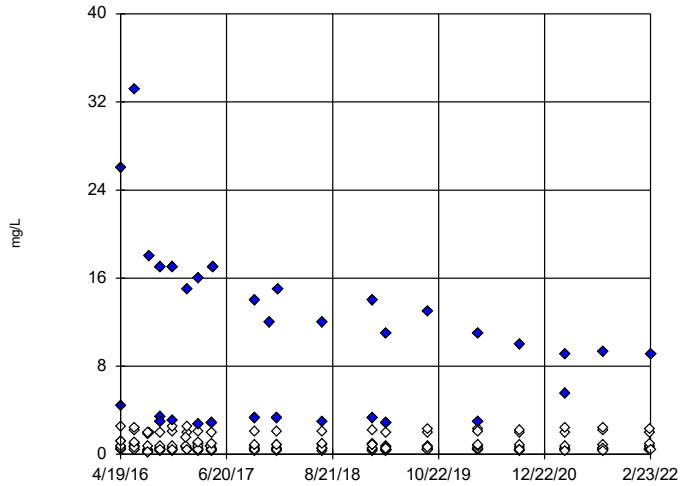
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 8/2/2022 3:53 PM View: Outliers - Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

GWA-13,GWA-14,GWA-16,GWA-2,GWA-3,GWA-...



n = 191

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

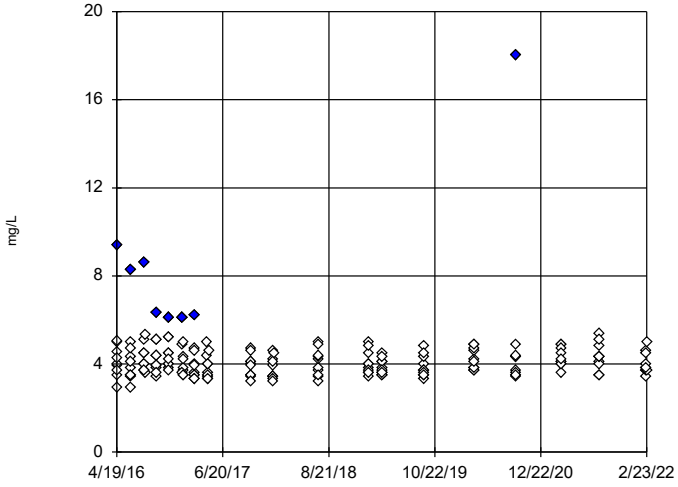
High cutoff = 2.646, low cutoff = -2.522, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 8/2/2022 3:53 PM View: Outliers - Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

GWA-13,GWA-14,GWA-16,GWA-2,GWA-3,GWA-...



n = 190

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

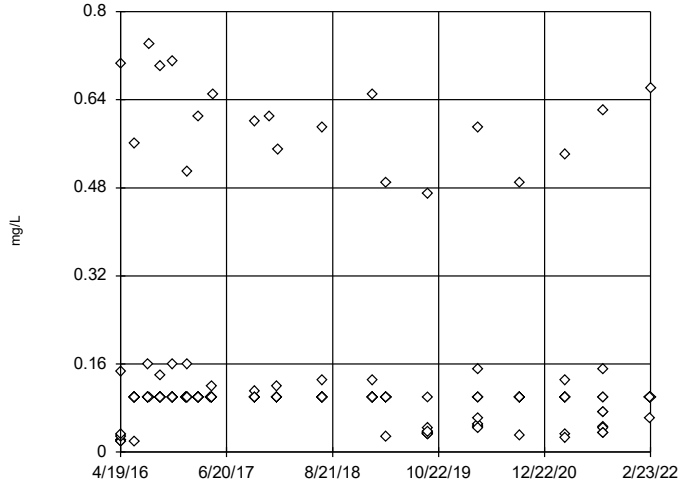
High cutoff = 5.467, low cutoff = -5.03, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 8/2/2022 3:53 PM View: Outliers - Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

GWA-13,GWA-14,GWA-16,GWA-2,GWA-3,GWA-...



n = 191

No outliers found.
Tukey's method selected by user.

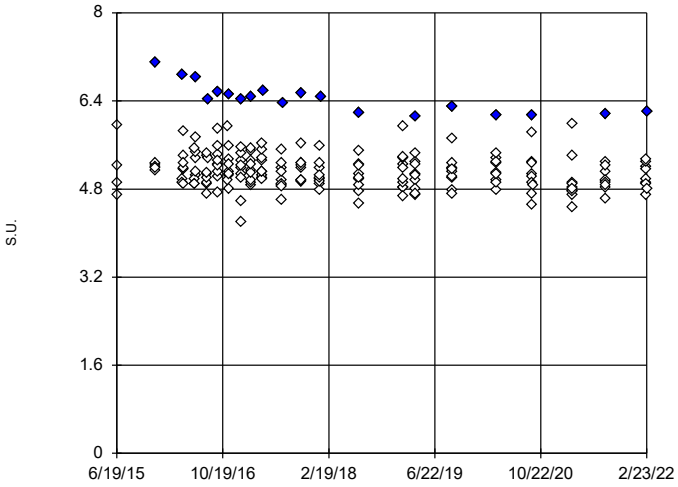
Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 8/2/2022 3:53 PM View: Outliers - Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Tukey's Outlier Screening, Pooled Background

GWA-13,GWA-14,GWA-16,GWA-2,GWA-3,GWA-...



n = 210

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

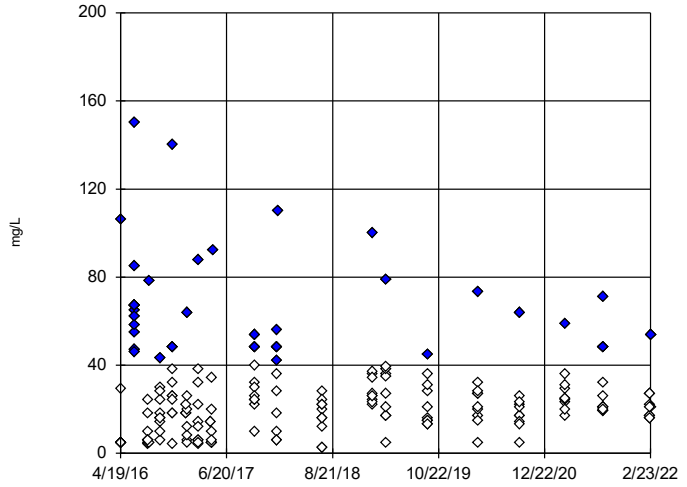
High cutoff = 6.105, low cutoff = -4.91, based on IQR multiplier of 3.

Constituent: pH Analysis Run 8/2/2022 3:53 PM View: Outliers - Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

GWA-13,GWA-14,GWA-16,GWA-2,GWA-3,GWA-...



n = 190

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 41.64, low cutoff = -39.67, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 3:53 PM View: Outliers - Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

FIGURE D.

Appendix I Welch's t-test/Mann-Whitney - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:38 PM

Constituent	Well	Calc.	0.01	Method
Arsenic (mg/L)	**GWC-10**	**-4.461**	**Yes**	**Mann-W**
Barium (mg/L)	**GWC-12**	**-2.742**	**Yes**	**Mann-W**
Barium (mg/L)	**GWC-18 (bg)**	**-2.952**	**Yes**	**Mann-W**
Barium (mg/L)	**GWC-20**	**-3.272**	**Yes**	**Mann-W**
Barium (mg/L)	**GWC-23**	**-3.545**	**Yes**	**Mann-W**
Beryllium (mg/L)	**GWC-11**	**-3.333**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWA-3 (bg)**	**-4.002**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-20**	**-3.677**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-21**	**-2.687**	**Yes**	**Mann-W**
Copper (mg/L)	**GWC-12**	**-3.065**	**Yes**	**Mann-W**
Copper (mg/L)	**GWA-4A (bg)**	**-3.452**	**Yes**	**Mann-W**
Copper (mg/L)	**GWC-9**	**-2.737**	**Yes**	**Mann-W**
Lead (mg/L)	**GWA-4A (bg)**	**-3.333**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-14 (bg)**	**-2.95**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-16 (bg)**	**-3.088**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-2 (bg)**	**-4.253**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-3 (bg)**	**-4.285**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-1**	**-3.272**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-11**	**-3.889**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-12**	**-3.788**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-15 (bg)**	**-2.691**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-17 (bg)**	**-3.386**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-20**	**-3.314**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-21**	**-2.8**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-4A (bg)**	**-3.372**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-5 (bg)**	**-3.648**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-9**	**-3.731**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWA-2 (bg)**	**-4.006**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWA-3 (bg)**	**-3.246**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-10**	**-4.006**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-12**	**-3.246**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-18 (bg)**	**2.811**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWC-10**	**3.575**	**Yes**	**Mann-W**

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:38 PM

Constituent	Well	Calc.	0.01	Method
Antimony (mg/L)	GWA-13 (bg)	-1.606	No	Mann-W
Antimony (mg/L)	GWA-14 (bg)	-1.606	No	Mann-W
Antimony (mg/L)	GWA-2 (bg)	-2.361	No	Mann-W
Antimony (mg/L)	GWA-3 (bg)	-1.956	No	Mann-W
Antimony (mg/L)	GWC-18 (bg)	0.5669	No	Mann-W
Arsenic (mg/L)	GWA-13 (bg)	-1.606	No	Mann-W
Arsenic (mg/L)	GWA-14 (bg)	-1.606	No	Mann-W
Arsenic (mg/L)	GWA-16 (bg)	-1.606	No	Mann-W
Arsenic (mg/L)	GWA-3 (bg)	1.75	No	Mann-W
Arsenic (mg/L)	GWC-1	-2.361	No	Mann-W
Arsenic (mg/L)	**GWC-10**	**-4.461**	**Yes**	**Mann-W**
Arsenic (mg/L)	GWC-11	-2.379	No	Mann-W
Arsenic (mg/L)	GWC-12	0.2895	No	Mann-W
Arsenic (mg/L)	GWA-15 (bg)	-1.483	No	Mann-W
Arsenic (mg/L)	GWC-17 (bg)	-0.8594	No	Mann-W
Arsenic (mg/L)	GWC-18 (bg)	-0.2697	No	Mann-W
Arsenic (mg/L)	GWC-19	-0.1712	No	Mann-W
Arsenic (mg/L)	GWC-20	-0.05705	No	Mann-W
Arsenic (mg/L)	GWC-21	-1.254	No	Mann-W
Arsenic (mg/L)	GWC-23	-0.7462	No	Mann-W
Arsenic (mg/L)	GWA-4A (bg)	-1.814	No	Mann-W
Arsenic (mg/L)	GWA-5 (bg)	-1.357	No	Mann-W
Arsenic (mg/L)	GWC-9	-2.496	No	Mann-W
Barium (mg/L)	GWA-13 (bg)	2.095	No	Mann-W
Barium (mg/L)	GWA-14 (bg)	0.6477	No	Mann-W
Barium (mg/L)	GWA-16 (bg)	0.5726	No	Mann-W
Barium (mg/L)	GWA-2 (bg)	2.442	No	Mann-W
Barium (mg/L)	GWA-3 (bg)	-0.2961	No	Mann-W
Barium (mg/L)	GWC-1	-0.1673	No	Mann-W
Barium (mg/L)	GWC-10	0.1608	No	Mann-W
Barium (mg/L)	GWC-11	0.03318	No	Mann-W
Barium (mg/L)	**GWC-12**	**-2.742**	**Yes**	**Mann-W**
Barium (mg/L)	GWA-15 (bg)	0.4761	No	Mann-W
Barium (mg/L)	GWC-17 (bg)	0.6992	No	Mann-W
Barium (mg/L)	**GWC-18 (bg)**	**-2.952**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-19	-2.521	No	Mann-W
Barium (mg/L)	**GWC-20**	**-3.272**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-21	0.7732	No	Mann-W
Barium (mg/L)	**GWC-23**	**-3.545**	**Yes**	**Mann-W**
Barium (mg/L)	GWA-4A (bg)	-1.702	No	Mann-W
Barium (mg/L)	GWA-5 (bg)	1.188	No	Mann-W
Barium (mg/L)	GWC-9	1.755	No	Mann-W
Beryllium (mg/L)	GWA-13 (bg)	-1.299	No	Mann-W
Beryllium (mg/L)	GWA-14 (bg)	-0.6149	No	Mann-W
Beryllium (mg/L)	GWA-16 (bg)	-0.6149	No	Mann-W
Beryllium (mg/L)	GWA-2 (bg)	-2.366	No	Mann-W
Beryllium (mg/L)	GWA-3 (bg)	0.5778	No	Mann-W
Beryllium (mg/L)	GWC-1	-1.207	No	Mann-W
Beryllium (mg/L)	GWC-10	-0.8077	No	Mann-W
Beryllium (mg/L)	**GWC-11**	**-3.333**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-12	-0.5486	No	Mann-W
Beryllium (mg/L)	GWA-15 (bg)	0.5669	No	Mann-W
Beryllium (mg/L)	GWC-17 (bg)	1.769	No	Mann-W
Beryllium (mg/L)	GWC-18 (bg)	-1.606	No	Mann-W
Beryllium (mg/L)	GWC-19	0.0369	No	Mann-W
Beryllium (mg/L)	GWC-20	-1.293	No	Mann-W
Beryllium (mg/L)	GWC-21	-0.7515	No	Mann-W
Beryllium (mg/L)	GWC-23	-1.907	No	Mann-W
Beryllium (mg/L)	GWA-4A (bg)	-1.834	No	Mann-W
Beryllium (mg/L)	GWA-5 (bg)	0.7144	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:38 PM

Constituent	Well	Calc.	0.01	Method
Beryllium (mg/L)	GWC-9	-1.834	No	Mann-W
Cadmium (mg/L)	GWA-13 (bg)	-0.7515	No	Mann-W
Cadmium (mg/L)	GWA-14 (bg)	-0.6149	No	Mann-W
Cadmium (mg/L)	GWA-16 (bg)	-1.606	No	Mann-W
Cadmium (mg/L)	GWC-17 (bg)	-1.171	No	Mann-W
Cadmium (mg/L)	GWC-18 (bg)	0.5669	No	Mann-W
Cadmium (mg/L)	GWC-19	-0.7583	No	Mann-W
Cadmium (mg/L)	GWC-20	0.07589	No	Mann-W
Cadmium (mg/L)	GWC-21	-0.9605	No	Mann-W
Cadmium (mg/L)	GWC-23	-1.907	No	Mann-W
Cadmium (mg/L)	GWA-4A (bg)	-0.8077	No	Mann-W
Chromium (mg/L)	GWA-13 (bg)	-0.2666	No	Mann-W
Chromium (mg/L)	GWA-14 (bg)	0.7086	No	Mann-W
Chromium (mg/L)	GWA-16 (bg)	0.9768	No	Mann-W
Chromium (mg/L)	GWA-2 (bg)	-0.6298	No	Mann-W
Chromium (mg/L)	GWA-3 (bg)	0.03365	No	Mann-W
Chromium (mg/L)	GWC-1	0.3492	No	Mann-W
Chromium (mg/L)	GWC-10	1.128	No	Mann-W
Chromium (mg/L)	GWC-11	-1.605	No	Mann-W
Chromium (mg/L)	GWC-12	-0.4033	No	Mann-W
Chromium (mg/L)	GWA-15 (bg)	0.4089	No	Mann-W
Chromium (mg/L)	GWC-17 (bg)	0.7101	No	Mann-W
Chromium (mg/L)	GWC-18 (bg)	2.412	No	Mann-W
Chromium (mg/L)	GWC-19	-0.07089	No	Mann-W
Chromium (mg/L)	GWC-20	-0.05238	No	Mann-W
Chromium (mg/L)	GWC-21	0.6739	No	Mann-W
Chromium (mg/L)	GWC-23	0.2062	No	Mann-W
Chromium (mg/L)	GWA-4A (bg)	0.2387	No	Mann-W
Chromium (mg/L)	GWA-5 (bg)	0.5535	No	Mann-W
Chromium (mg/L)	GWC-9	0.1778	No	Mann-W
Cobalt (mg/L)	GWA-13 (bg)	-0.7044	No	Mann-W
Cobalt (mg/L)	GWA-14 (bg)	-1.999	No	Mann-W
Cobalt (mg/L)	GWA-16 (bg)	-0.8044	No	Mann-W
Cobalt (mg/L)	GWA-2 (bg)	-2.438	No	Mann-W
Cobalt (mg/L)	**GWA-3 (bg)**	**-4.002**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-1	-1.418	No	Mann-W
Cobalt (mg/L)	GWC-10	-0.8811	No	Mann-W
Cobalt (mg/L)	GWC-11	-1.574	No	Mann-W
Cobalt (mg/L)	GWC-12	-2.573	No	Mann-W
Cobalt (mg/L)	GWA-15 (bg)	-1.476	No	Mann-W
Cobalt (mg/L)	GWC-17 (bg)	-1.776	No	Mann-W
Cobalt (mg/L)	GWC-18 (bg)	-0.7515	No	Mann-W
Cobalt (mg/L)	GWC-19	0.4165	No	Mann-W
Cobalt (mg/L)	**GWC-20**	**-3.677**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-21**	**-2.687**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-23	-2.039	No	Mann-W
Cobalt (mg/L)	GWA-4A (bg)	0.3602	No	Mann-W
Cobalt (mg/L)	GWA-5 (bg)	-2.364	No	Mann-W
Cobalt (mg/L)	GWC-9	-2.248	No	Mann-W
Copper (mg/L)	GWA-13 (bg)	-1.315	No	Mann-W
Copper (mg/L)	GWA-14 (bg)	-0.4356	No	Mann-W
Copper (mg/L)	GWA-16 (bg)	1.133	No	Mann-W
Copper (mg/L)	GWA-2 (bg)	-0.5431	No	Mann-W
Copper (mg/L)	GWA-3 (bg)	-2.479	No	Mann-W
Copper (mg/L)	GWC-1	-2.139	No	Mann-W
Copper (mg/L)	GWC-11	-2.156	No	Mann-W
Copper (mg/L)	**GWC-12**	**-3.065**	**Yes**	**Mann-W**
Copper (mg/L)	GWA-15 (bg)	0.7171	No	Mann-W
Copper (mg/L)	GWC-17 (bg)	-0.807	No	Mann-W
Copper (mg/L)	GWC-18 (bg)	-0.2855	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:38 PM

Constituent	Well	Calc.	0.01	Method
Copper (mg/L)	GWC-19	-0.2613	No	Mann-W
Copper (mg/L)	GWC-20	-0.2613	No	Mann-W
Copper (mg/L)	GWC-21	0.3106	No	Mann-W
Copper (mg/L)	GWC-23	-0.4263	No	Mann-W
Copper (mg/L)	**GWA-4A (bg)**	**-3.452**	**Yes**	**Mann-W**
Copper (mg/L)	GWA-5 (bg)	-0.04865	No	Mann-W
Copper (mg/L)	**GWC-9**	**-2.737**	**Yes**	**Mann-W**
Lead (mg/L)	GWA-13 (bg)	-1.606	No	Mann-W
Lead (mg/L)	GWA-14 (bg)	-2.254	No	Mann-W
Lead (mg/L)	GWA-16 (bg)	-2.254	No	Mann-W
Lead (mg/L)	GWA-2 (bg)	-2.361	No	Mann-W
Lead (mg/L)	GWC-11	-1.962	No	Mann-W
Lead (mg/L)	GWC-18 (bg)	-2.546	No	Mann-W
Lead (mg/L)	GWC-20	-1.606	No	Mann-W
Lead (mg/L)	GWC-21	-0.7515	No	Mann-W
Lead (mg/L)	GWC-23	-1.907	No	Mann-W
Lead (mg/L)	**GWA-4A (bg)**	**-3.333**	**Yes**	**Mann-W**
Lead (mg/L)	GWA-5 (bg)	-0.5631	No	Mann-W
Nickel (mg/L)	GWA-13 (bg)	-2.274	No	Mann-W
Nickel (mg/L)	**GWA-14 (bg)**	**-2.95**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-16 (bg)**	**-3.088**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-2 (bg)**	**-4.253**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-3 (bg)**	**-4.285**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-1**	**-3.272**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-10	-0.2819	No	Mann-W
Nickel (mg/L)	**GWC-11**	**-3.889**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-12**	**-3.788**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-15 (bg)**	**-2.691**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-17 (bg)**	**-3.386**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-18 (bg)	-2.076	No	Mann-W
Nickel (mg/L)	GWC-19	-1.818	No	Mann-W
Nickel (mg/L)	**GWC-20**	**-3.314**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-21**	**-2.8**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-23	-1.149	No	Mann-W
Nickel (mg/L)	**GWA-4A (bg)**	**-3.372**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-5 (bg)**	**-3.648**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-9**	**-3.731**	**Yes**	**Mann-W**
Selenium (mg/L)	GWA-13 (bg)	0.5669	No	Mann-W
Selenium (mg/L)	GWA-16 (bg)	0.5669	No	Mann-W
Selenium (mg/L)	GWA-2 (bg)	0.7342	No	Mann-W
Selenium (mg/L)	GWA-3 (bg)	0.9898	No	Mann-W
Selenium (mg/L)	GWC-1	0.5778	No	Mann-W
Selenium (mg/L)	GWC-10	0.5778	No	Mann-W
Selenium (mg/L)	GWC-11	1.103	No	Mann-W
Selenium (mg/L)	GWA-15 (bg)	0.5669	No	Mann-W
Selenium (mg/L)	GWC-18 (bg)	0.5669	No	Mann-W
Selenium (mg/L)	GWC-19	0.5669	No	Mann-W
Selenium (mg/L)	GWC-20	0.5669	No	Mann-W
Selenium (mg/L)	GWC-21	0.5669	No	Mann-W
Selenium (mg/L)	GWA-4A (bg)	0.7342	No	Mann-W
Selenium (mg/L)	GWA-5 (bg)	0.3679	No	Mann-W
Selenium (mg/L)	GWC-9	-0.4971	No	Mann-W
Silver (mg/L)	GWC-11	0.4073	No	Mann-W
Thallium (mg/L)	GWA-13 (bg)	-0.7583	No	Mann-W
Thallium (mg/L)	GWA-14 (bg)	-1.971	No	Mann-W
Thallium (mg/L)	GWA-16 (bg)	-2.254	No	Mann-W
Thallium (mg/L)	**GWA-2 (bg)**	**-4.006**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWA-3 (bg)**	**-3.246**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-10**	**-4.006**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-11	-2.343	No	Mann-W

Appendix I Welch's t-test/Mann-Whitney - All Results

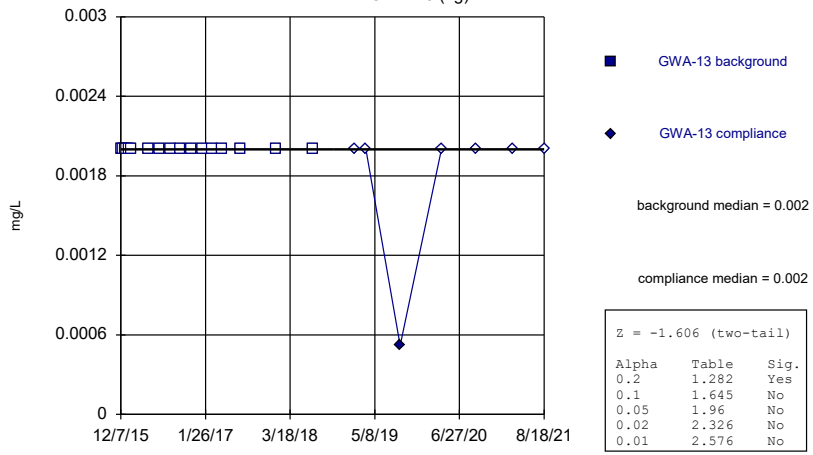
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:39 PM

Constituent	Well	Calc.	0.01	Method
Thallium (mg/L)	**GWC-12**	**-3.246**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-17 (bg)	1.774	No	Mann-W
Thallium (mg/L)	**GWC-18 (bg)**	**2.811**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-19	-1.369	No	Mann-W
Thallium (mg/L)	GWC-20	1.271	No	Mann-W
Thallium (mg/L)	GWC-21	-0.05705	No	Mann-W
Thallium (mg/L)	GWC-23	-0.2699	No	Mann-W
Thallium (mg/L)	GWA-4A (bg)	-1.28	No	Mann-W
Thallium (mg/L)	GWA-5 (bg)	0.3728	No	Mann-W
Thallium (mg/L)	GWC-9	-2.3	No	Mann-W
Vanadium (mg/L)	GWA-13 (bg)	1.181	No	Mann-W
Vanadium (mg/L)	GWA-14 (bg)	1.307	No	Mann-W
Vanadium (mg/L)	GWA-16 (bg)	1.247	No	Mann-W
Vanadium (mg/L)	GWA-2 (bg)	1.635	No	Mann-W
Vanadium (mg/L)	GWA-3 (bg)	0.9645	No	Mann-W
Vanadium (mg/L)	GWC-1	1.118	No	Mann-W
Vanadium (mg/L)	**GWC-10**	**3.575**	**Yes**	**Mann-W**
Vanadium (mg/L)	GWC-11	-1.907	No	Mann-W
Vanadium (mg/L)	GWC-12	1.195	No	Mann-W
Vanadium (mg/L)	GWA-15 (bg)	1.115	No	Mann-W
Vanadium (mg/L)	GWC-17 (bg)	2.164	No	Mann-W
Vanadium (mg/L)	GWC-18 (bg)	1.278	No	Mann-W
Vanadium (mg/L)	GWC-19	-1.215	No	Mann-W
Vanadium (mg/L)	GWC-20	0.3633	No	Mann-W
Vanadium (mg/L)	GWC-21	0.05709	No	Mann-W
Vanadium (mg/L)	GWC-23	0.1734	No	Mann-W
Vanadium (mg/L)	GWA-4A (bg)	1.666	No	Mann-W
Vanadium (mg/L)	GWA-5 (bg)	1.602	No	Mann-W
Vanadium (mg/L)	GWC-9	1.631	No	Mann-W
Zinc (mg/L)	GWA-13 (bg)	2.061	No	Mann-W
Zinc (mg/L)	GWA-14 (bg)	2.096	No	Mann-W
Zinc (mg/L)	GWA-16 (bg)	1.012	No	Mann-W
Zinc (mg/L)	GWA-2 (bg)	0.572	No	Mann-W
Zinc (mg/L)	GWA-3 (bg)	0.4328	No	Mann-W
Zinc (mg/L)	GWC-1	0.3332	No	Mann-W
Zinc (mg/L)	GWC-10	0.7992	No	Mann-W
Zinc (mg/L)	GWC-11	0.4549	No	Mann-W
Zinc (mg/L)	GWC-12	1.99	No	Mann-W
Zinc (mg/L)	GWA-15 (bg)	1.197	No	Mann-W
Zinc (mg/L)	GWC-17 (bg)	-0.2459	No	Mann-W
Zinc (mg/L)	GWC-18 (bg)	0.7167	No	Mann-W
Zinc (mg/L)	GWC-19	1.466	No	Mann-W
Zinc (mg/L)	GWC-20	-0.05287	No	Mann-W
Zinc (mg/L)	GWC-21	0.1585	No	Mann-W
Zinc (mg/L)	GWC-23	-2.07	No	Mann-W
Zinc (mg/L)	GWA-4A (bg)	-0.01954	No	Mann-W
Zinc (mg/L)	GWA-5 (bg)	0.4613	No	Mann-W
Zinc (mg/L)	GWC-9	0.9141	No	Mann-W

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = -1.606 (two-tail)

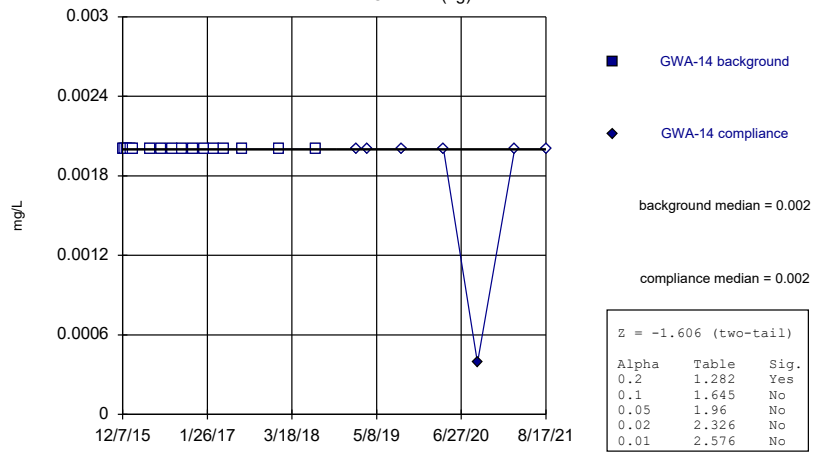
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 8/2/2022 4:31 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = -1.606 (two-tail)

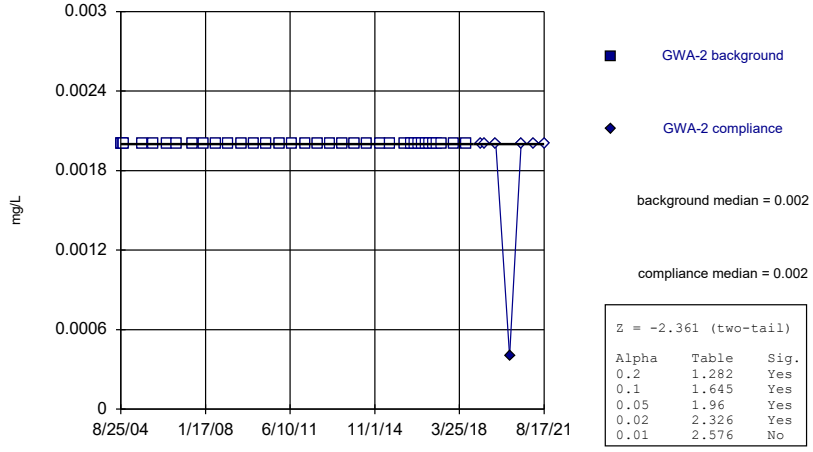
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 8/2/2022 4:31 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -2.361 (two-tail)

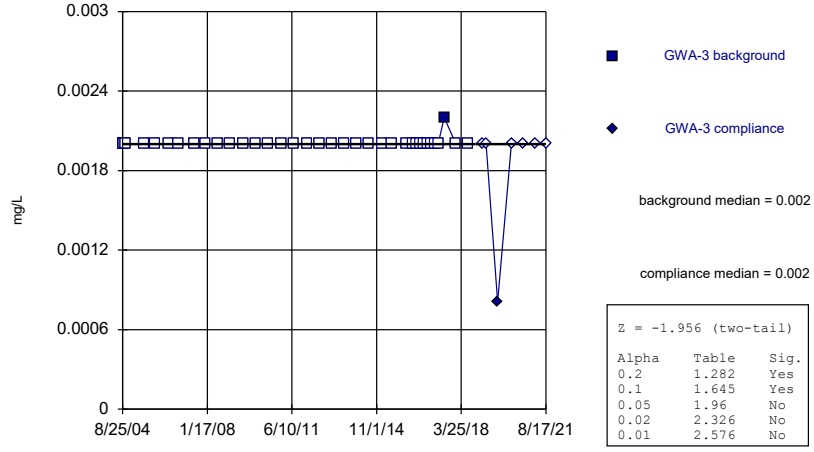
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Antimony Analysis Run 8/2/2022 4:31 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = -1.956 (two-tail)

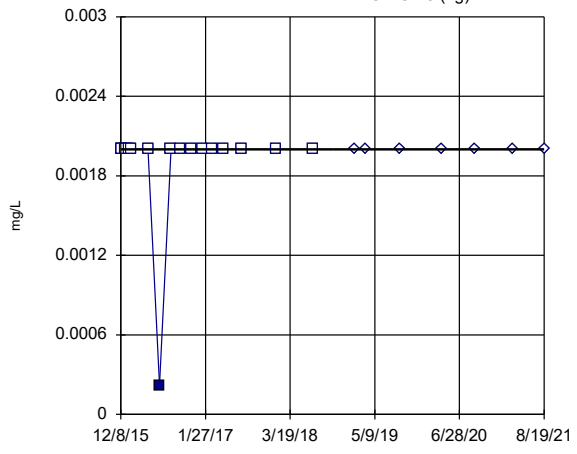
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 8/2/2022 4:31 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



GWC-18 background

GWC-18 compliance

background median = 0.002

compliance median = 0.002

Z = 0.5669 (two-tail)

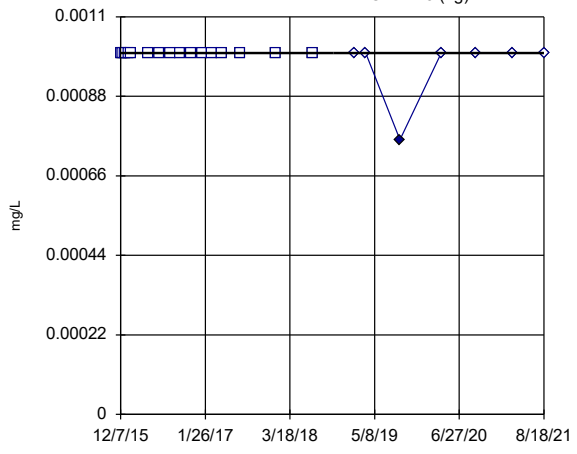
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 8/2/2022 4:31 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



GWA-13 background

GWA-13 compliance

background median = 0.001

compliance median = 0.001

Z = -1.606 (two-tail)

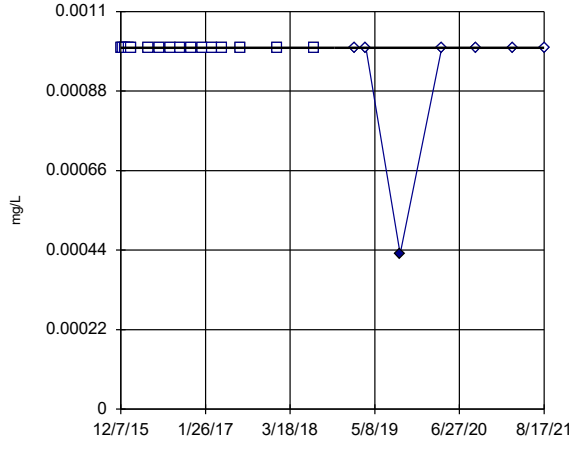
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



GWA-14 background

GWA-14 compliance

background median = 0.001

compliance median = 0.001

Z = -1.606 (two-tail)

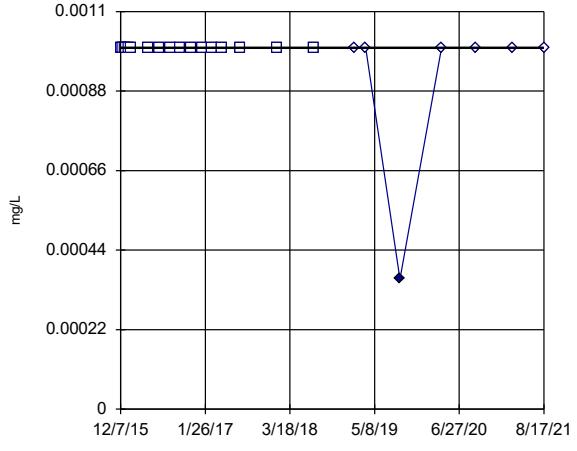
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



GWA-16 background

GWA-16 compliance

background median = 0.001

compliance median = 0.001

Z = -1.606 (two-tail)

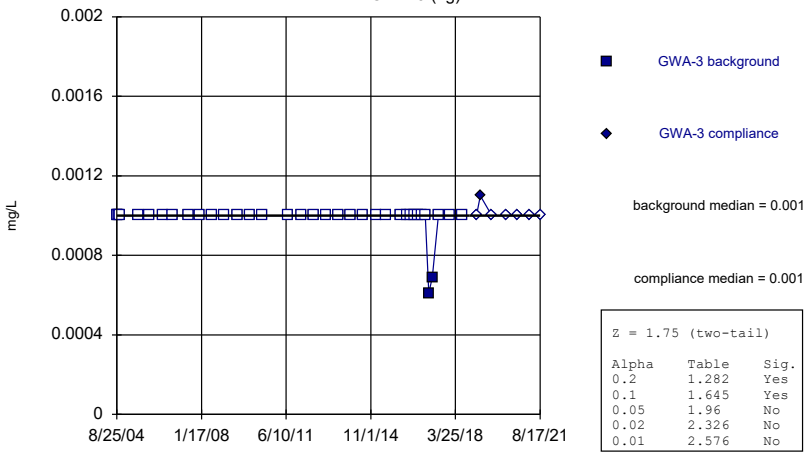
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 1.75 (two-tail)

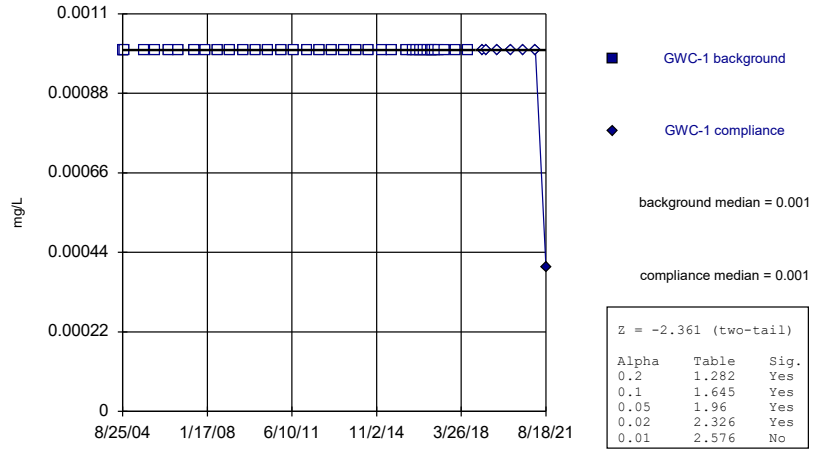
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = -2.361 (two-tail)

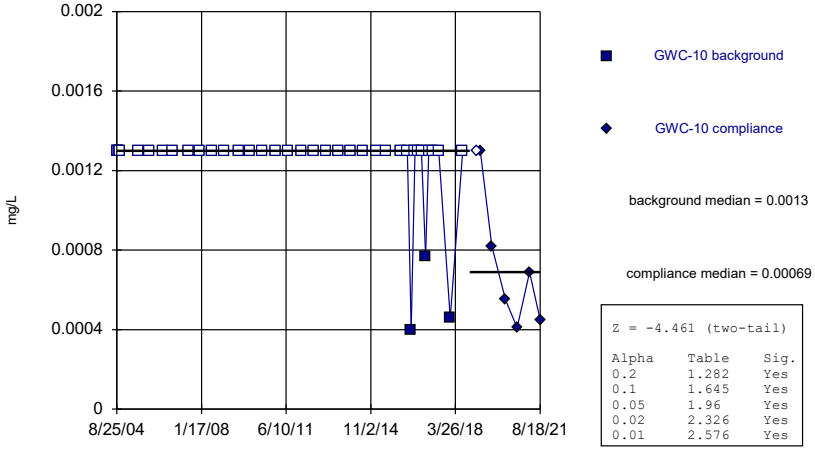
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -4.461 (two-tail)

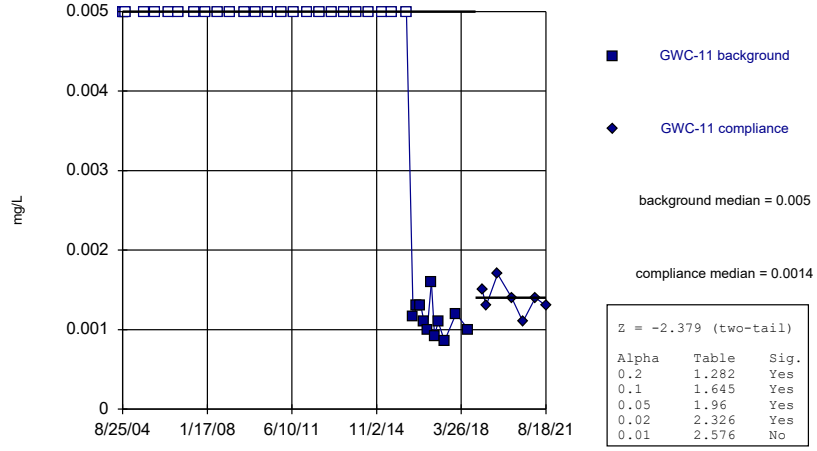
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -2.379 (two-tail)

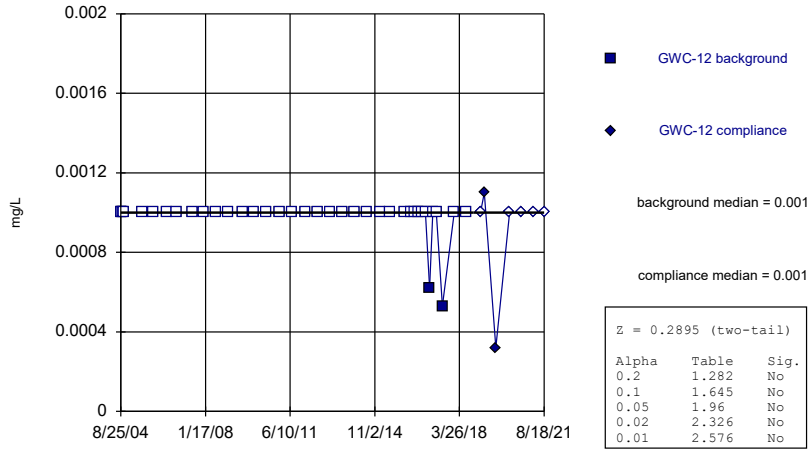
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 0.2895 (two-tail)

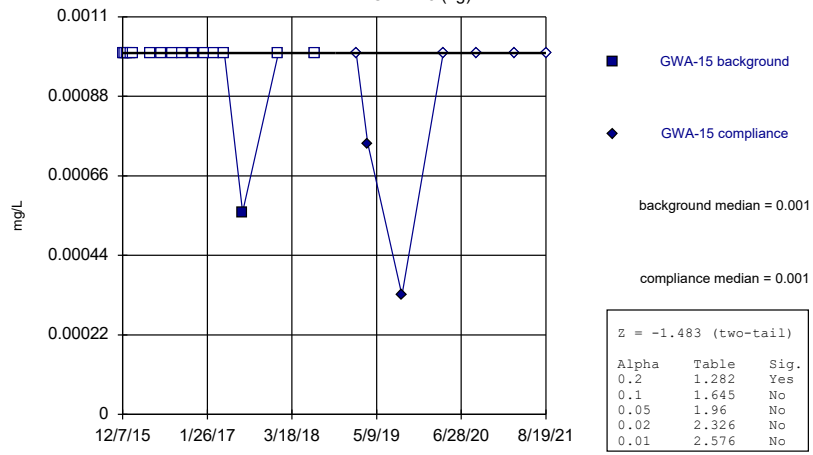
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = -1.483 (two-tail)

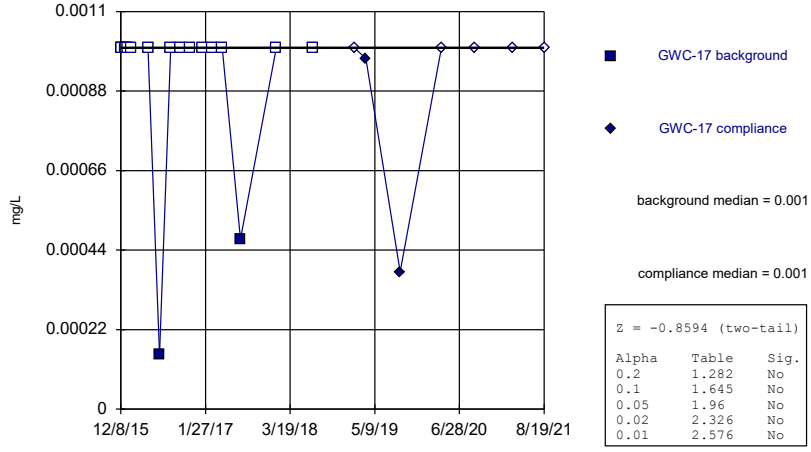
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



Z = -0.8594 (two-tail)

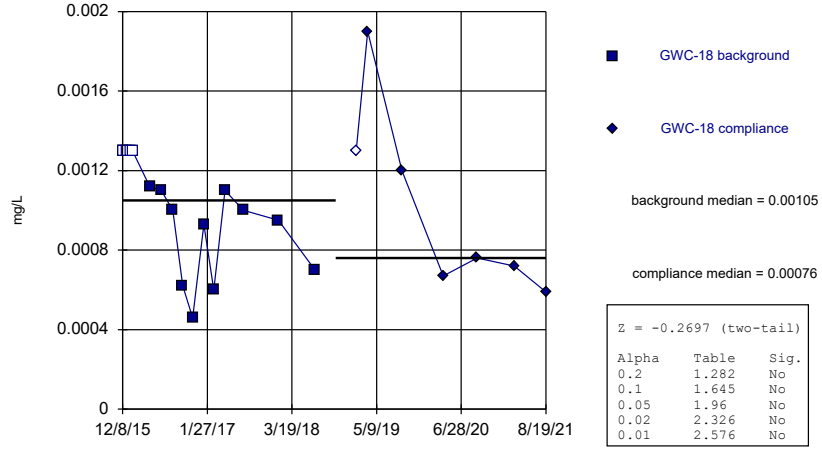
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



Z = -0.2697 (two-tail)

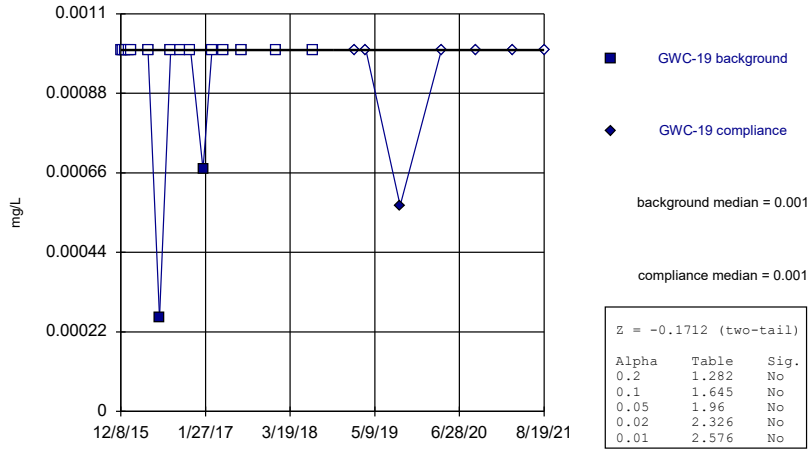
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -0.1712 (two-tail)

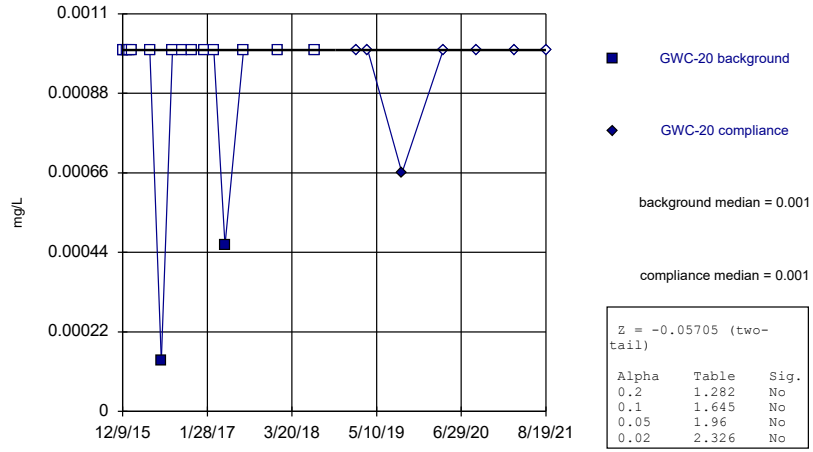
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -0.05705 (two-tail)

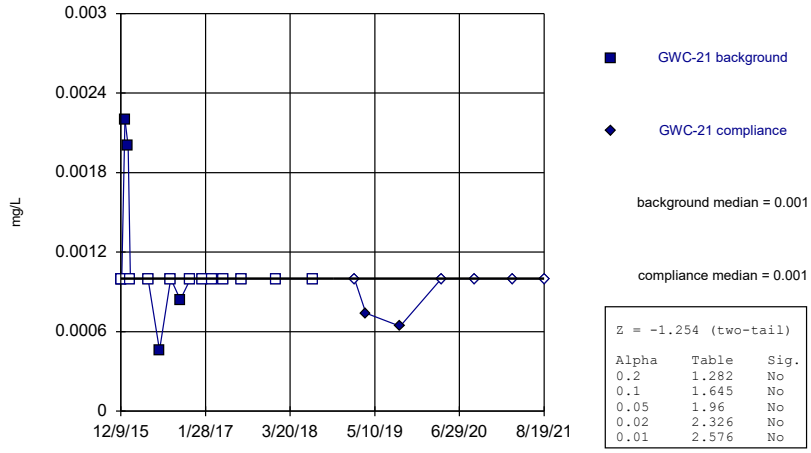
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -1.254 (two-tail)

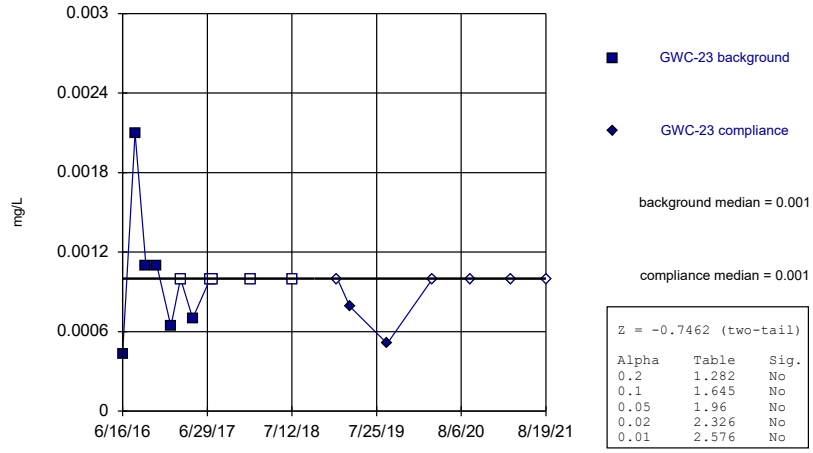
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -0.7462 (two-tail)

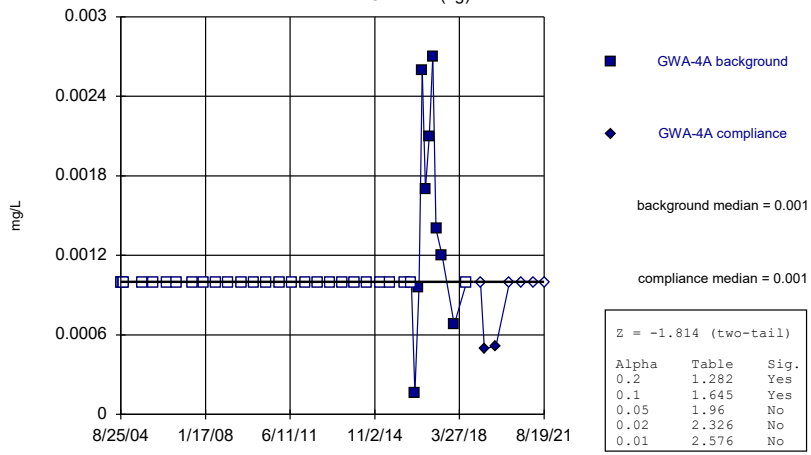
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = -1.814 (two-tail)

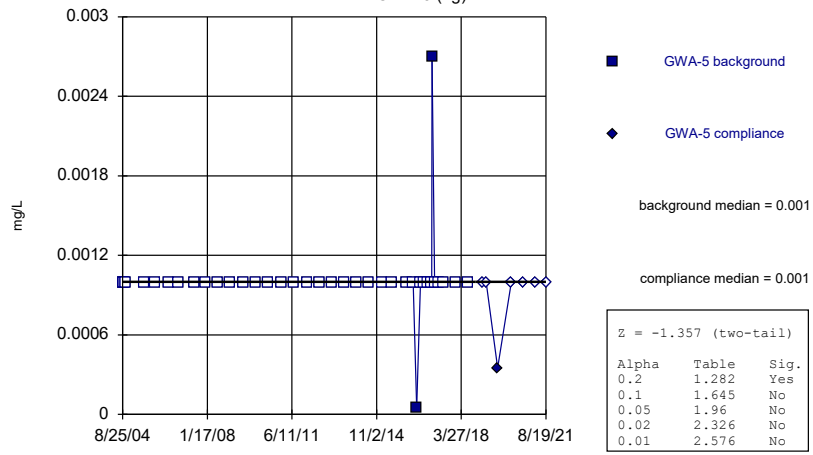
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = -1.357 (two-tail)

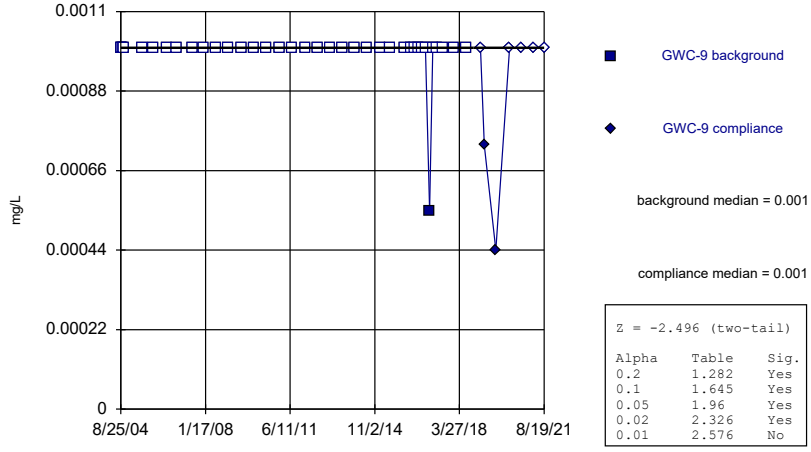
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -2.496 (two-tail)

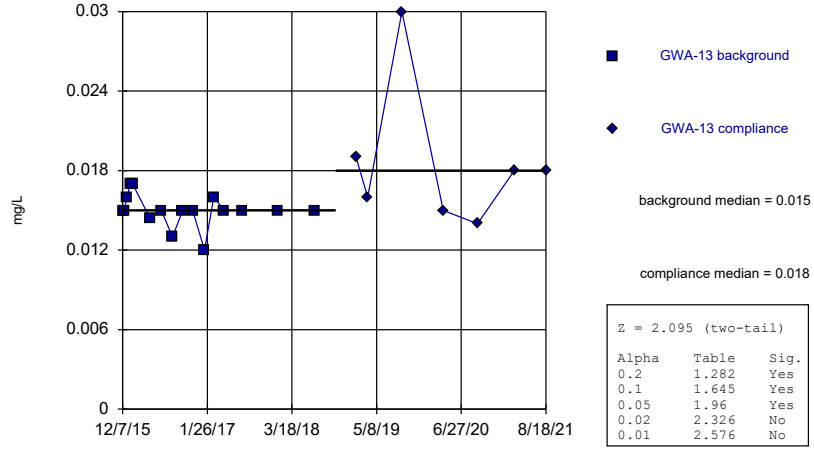
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Arsenic Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



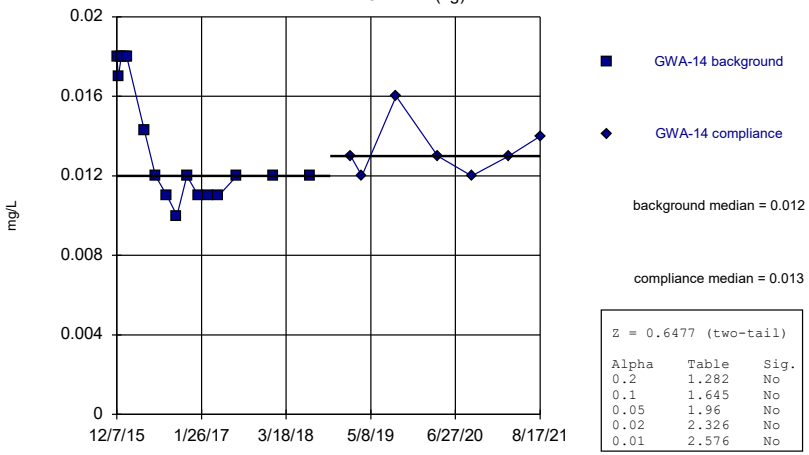
Z = 2.095 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = 0.6477 (two-tail)

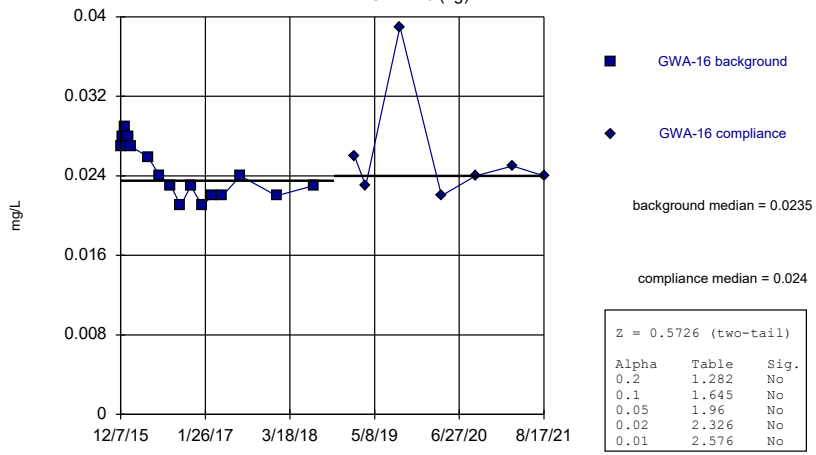
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = 0.5726 (two-tail)

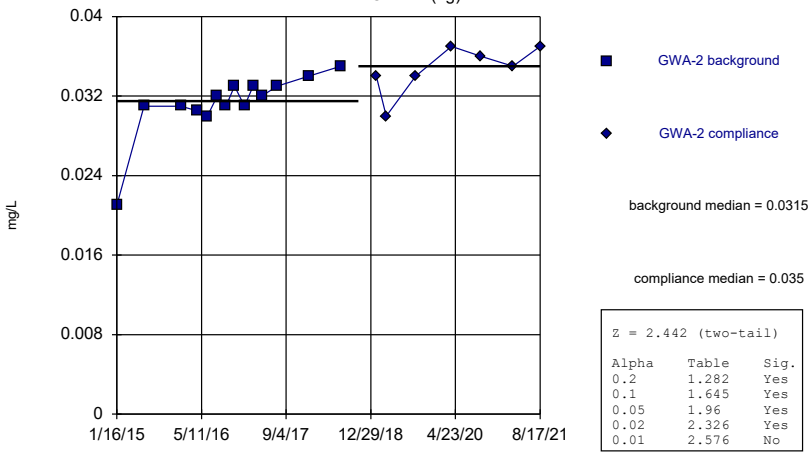
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = 2.442 (two-tail)

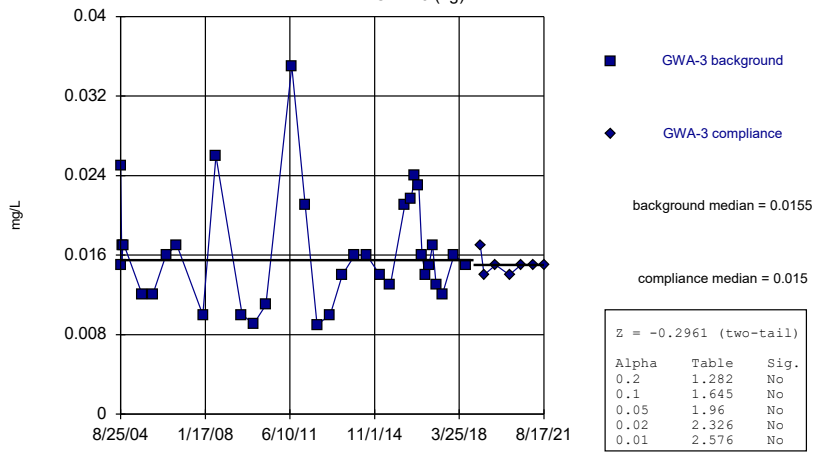
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



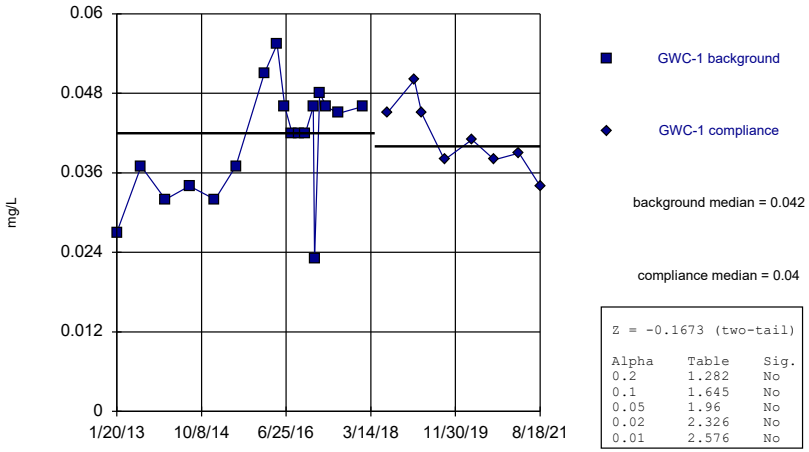
Z = -0.2961 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = -0.1673 (two-tail)

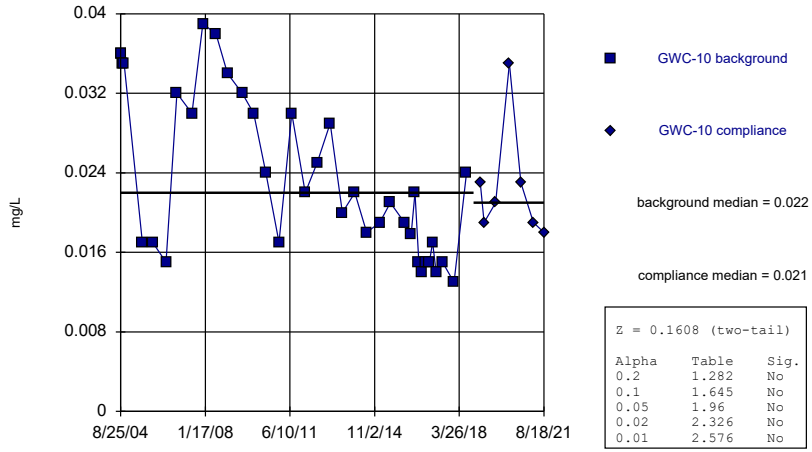
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = 0.1608 (two-tail)

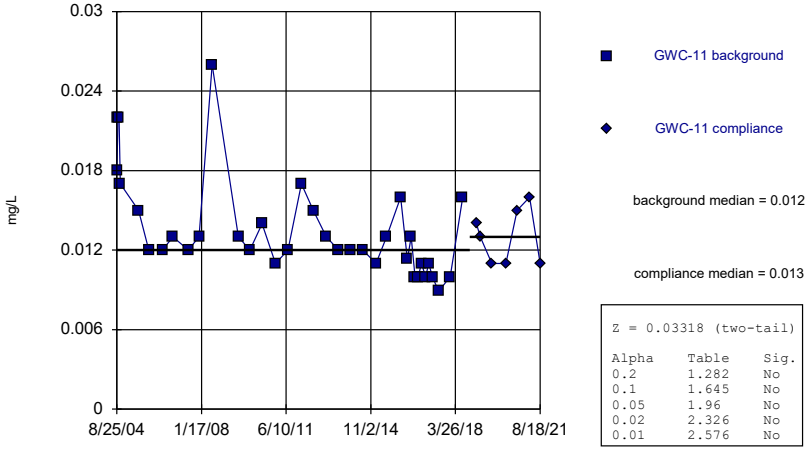
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = 0.03318 (two-tail)

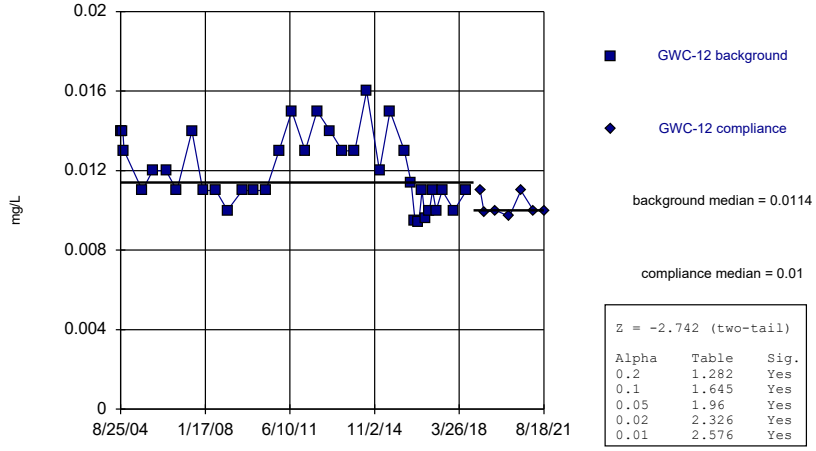
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



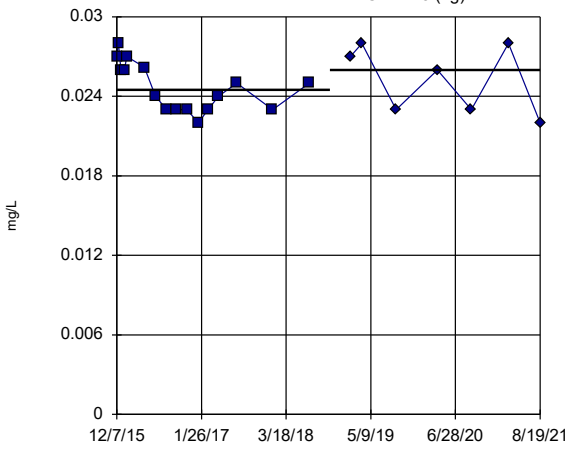
Z = -2.742 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



GWA-15 background

GWA-15 compliance

background median = 0.0245

compliance median = 0.026

Z = 0.4761 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

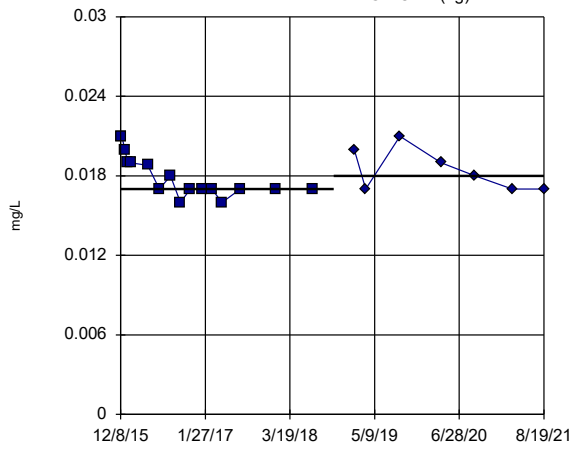
Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



GWC-17 background

GWC-17 compliance

background median = 0.017

compliance median = 0.018

Z = 0.6992 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

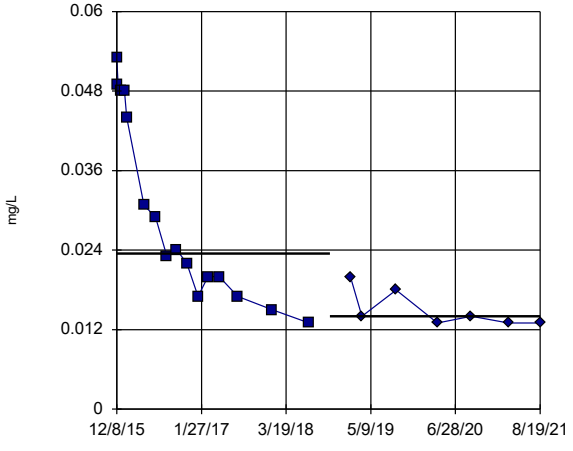
Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



GWC-18 background

GWC-18 compliance

background median = 0.0235

compliance median = 0.014

Z = -2.952 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

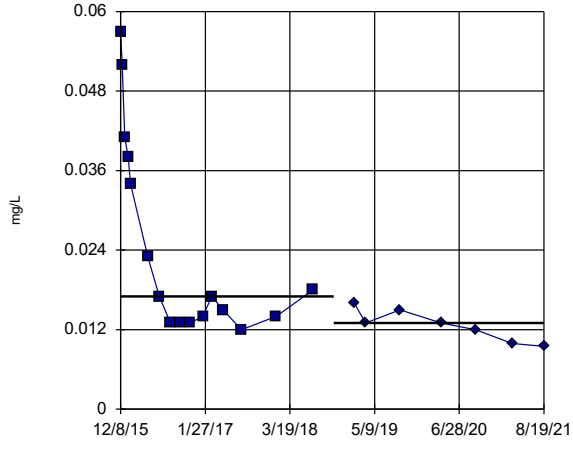
Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



GWC-19 background

GWC-19 compliance

background median = 0.017

compliance median = 0.013

Z = -2.521 (two-tail)

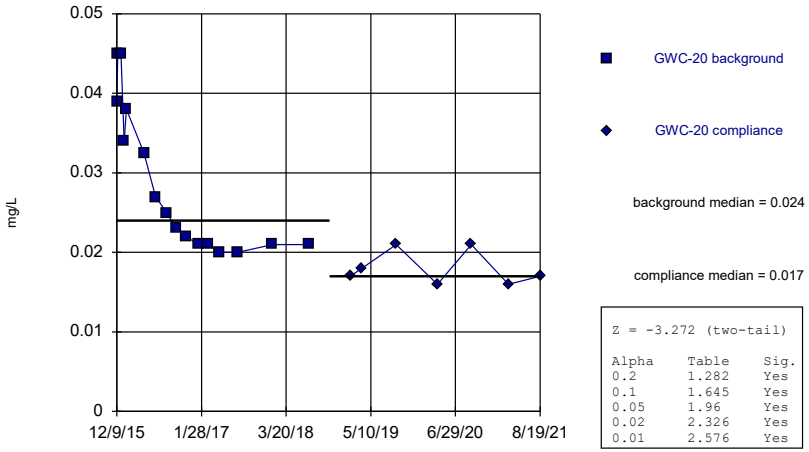
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -3.272 (two-tail)

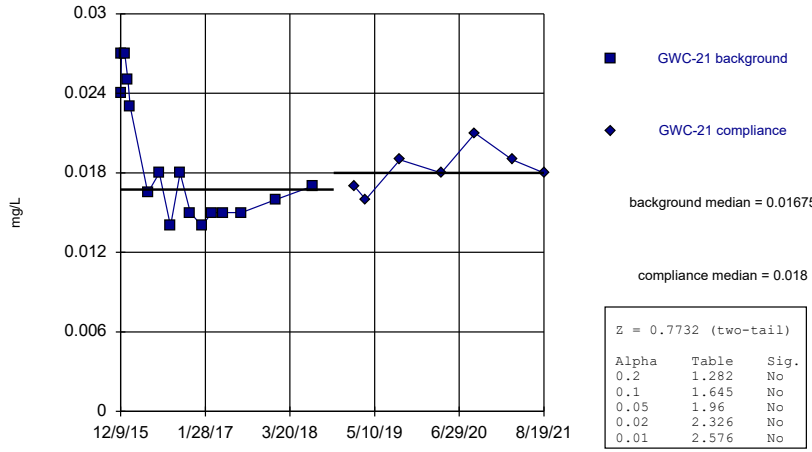
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.7732 (two-tail)

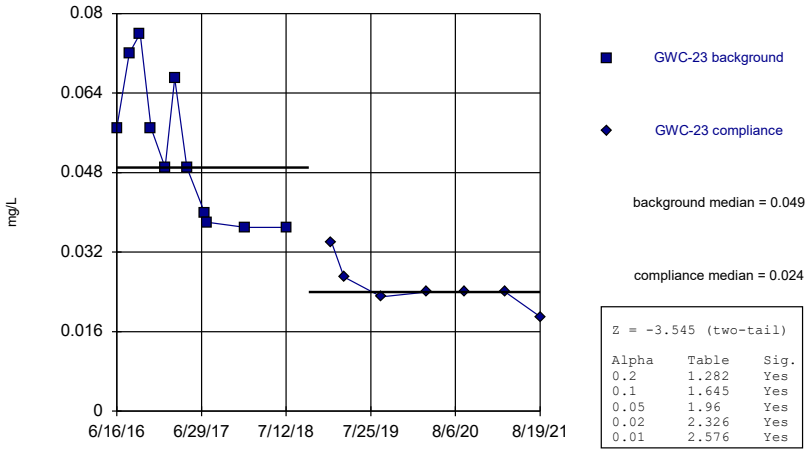
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -3.545 (two-tail)

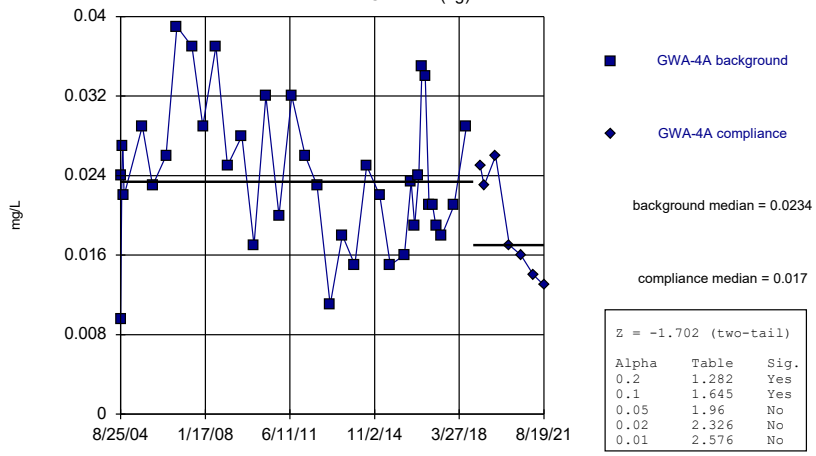
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = -1.702 (two-tail)

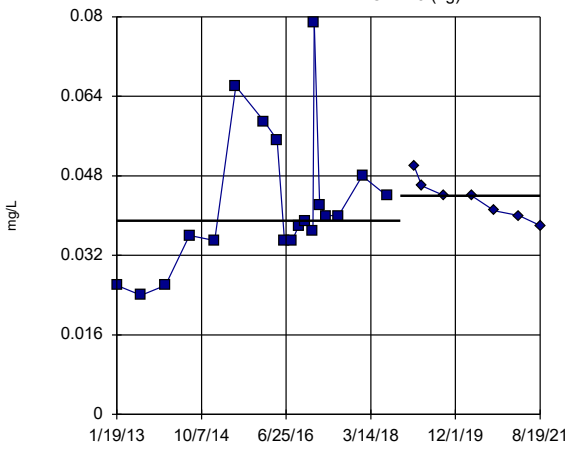
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



GWA-5 background

GWA-5 compliance

background median = 0.039

compliance median = 0.044

Z = 1.188 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

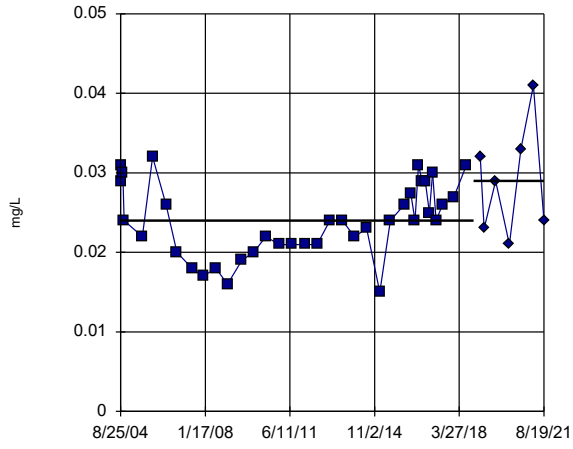
Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



GWC-9 background

GWC-9 compliance

background median = 0.024

compliance median = 0.029

Z = 1.755 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

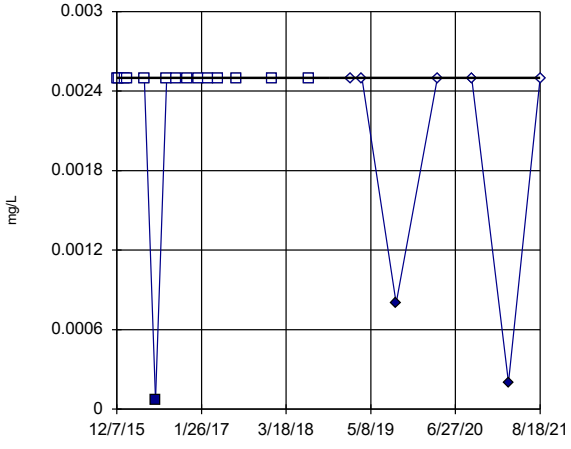
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



GWA-13 background

GWA-13 compliance

background median = 0.0025

compliance median = 0.0025

Z = -1.299 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

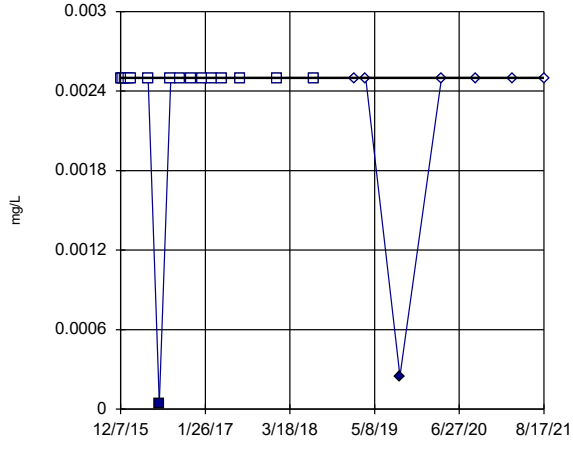
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



GWA-14 background

GWA-14 compliance

background median = 0.0025

compliance median = 0.0025

Z = -0.6149 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

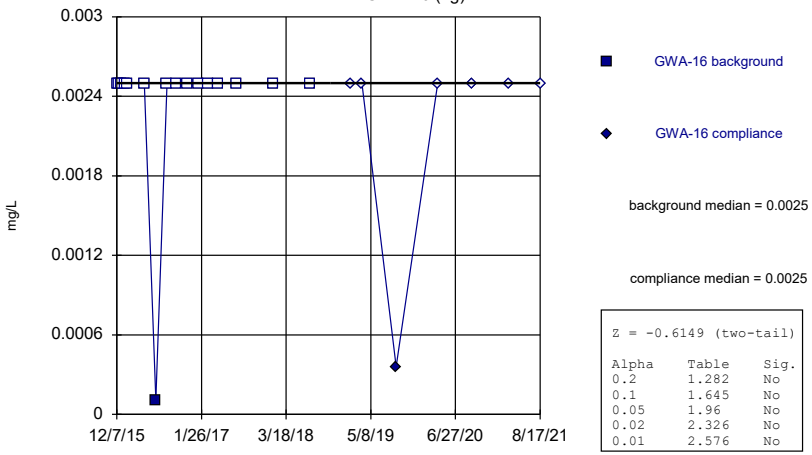
Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = -0.6149 (two-tail)

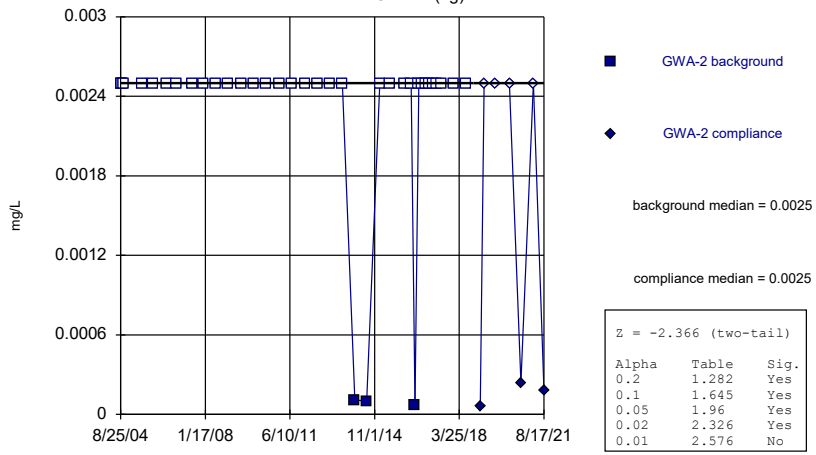
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -2.366 (two-tail)

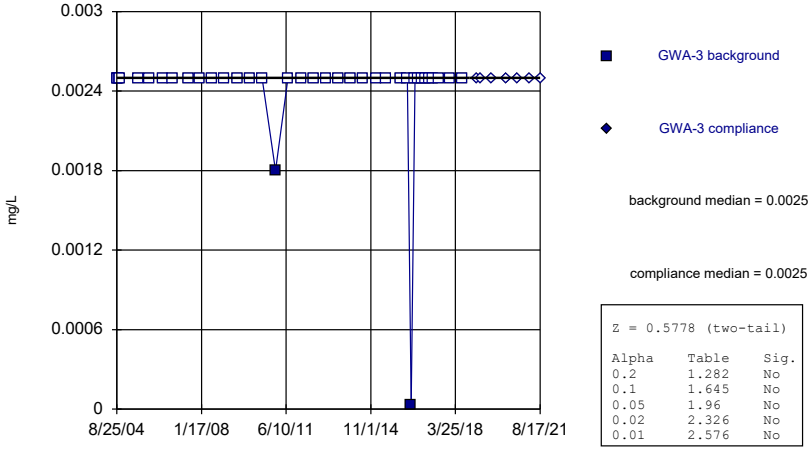
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 0.5778 (two-tail)

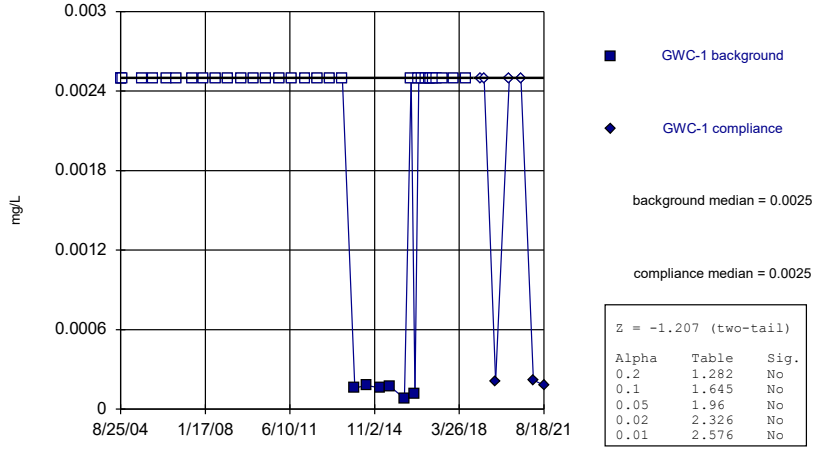
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = -1.207 (two-tail)

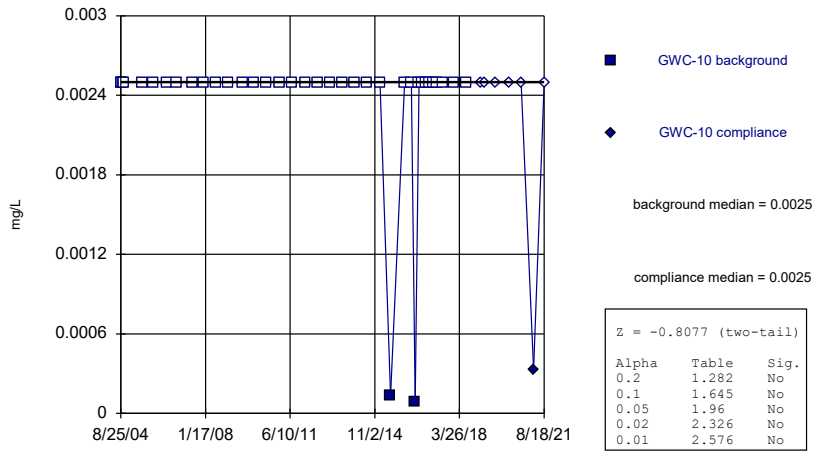
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -0.8077 (two-tail)

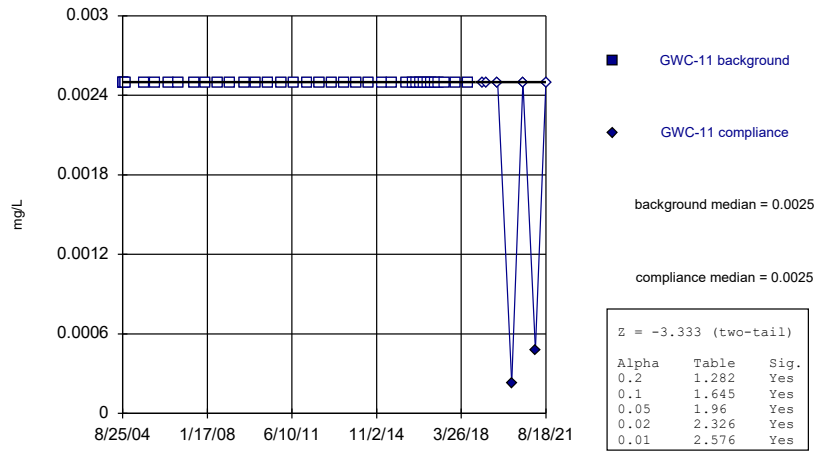
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -3.333 (two-tail)

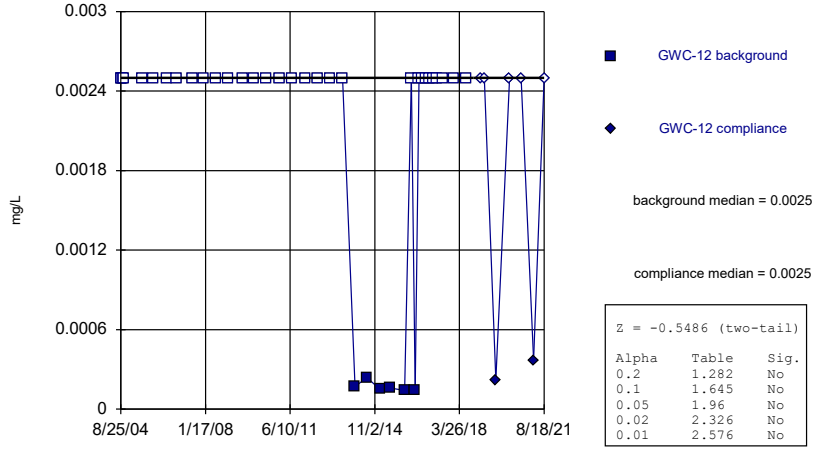
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -0.5486 (two-tail)

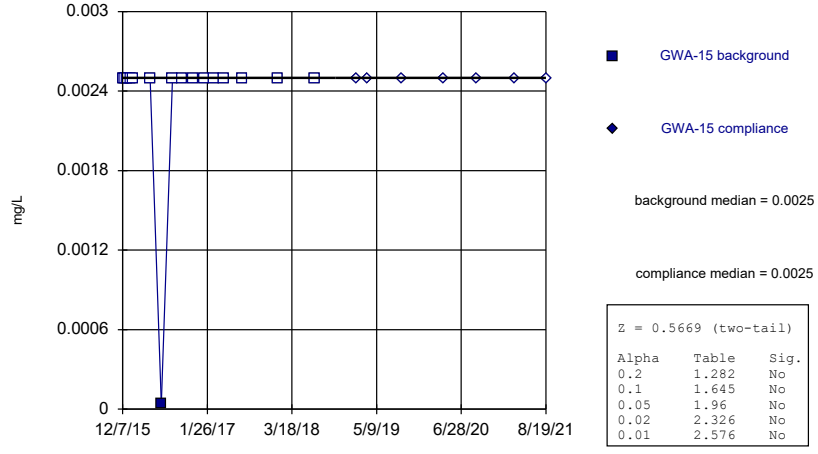
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = 0.5669 (two-tail)

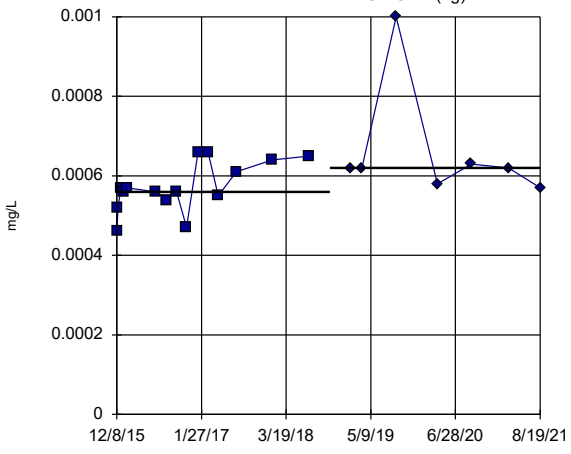
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



GWC-17 background

GWC-17 compliance

background median = 0.00056

compliance median = 0.00062

Z = 1.769 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

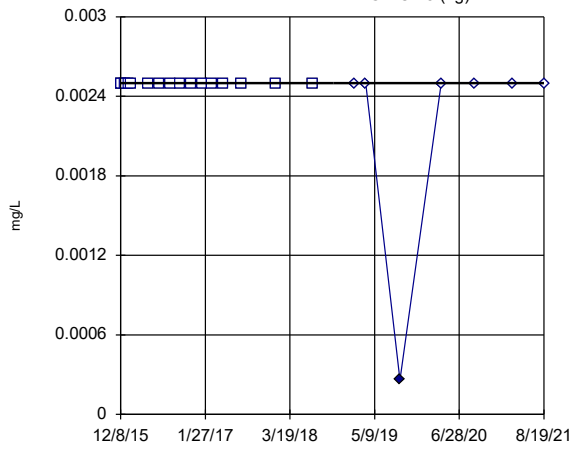
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



GWC-18 background

GWC-18 compliance

background median = 0.0025

compliance median = 0.0025

Z = -1.606 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

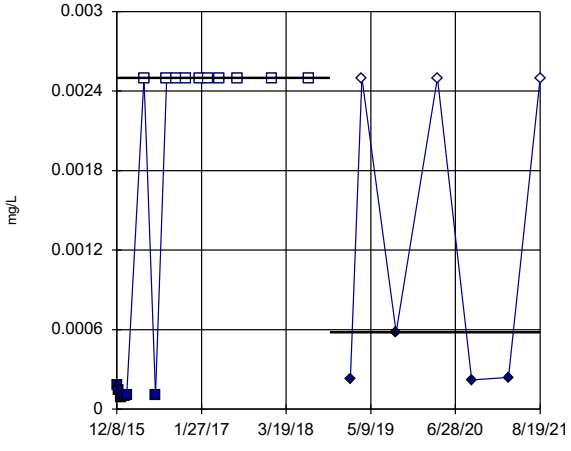
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



GWC-19 background

GWC-19 compliance

background median = 0.0025

compliance median = 0.00058

Z = 0.0369 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

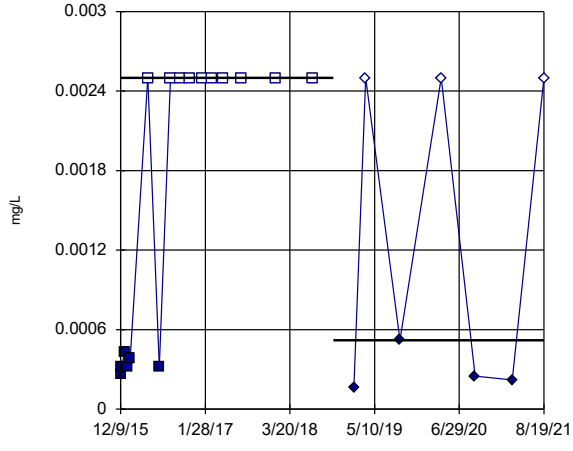
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



GWC-20 background

GWC-20 compliance

background median = 0.0025

compliance median = 0.00052

Z = -1.293 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

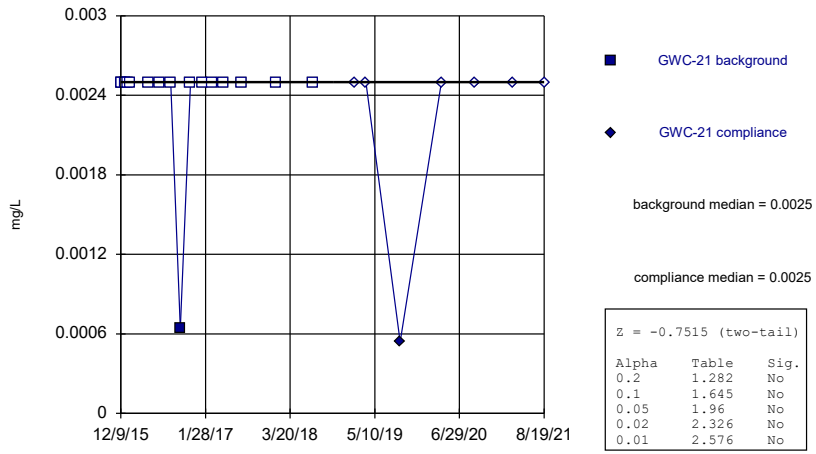
Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -0.7515 (two-tail)

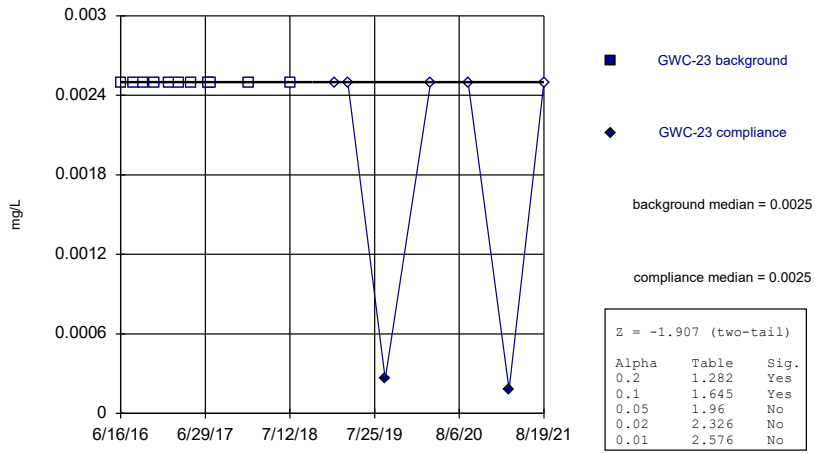
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -1.907 (two-tail)

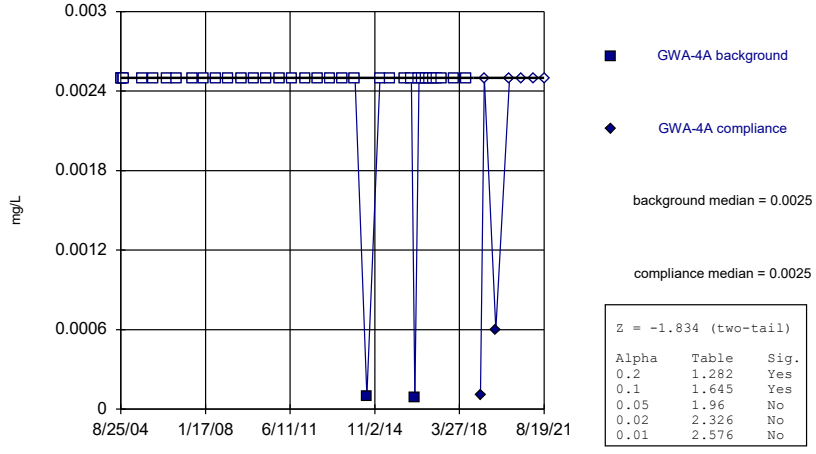
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = -1.834 (two-tail)

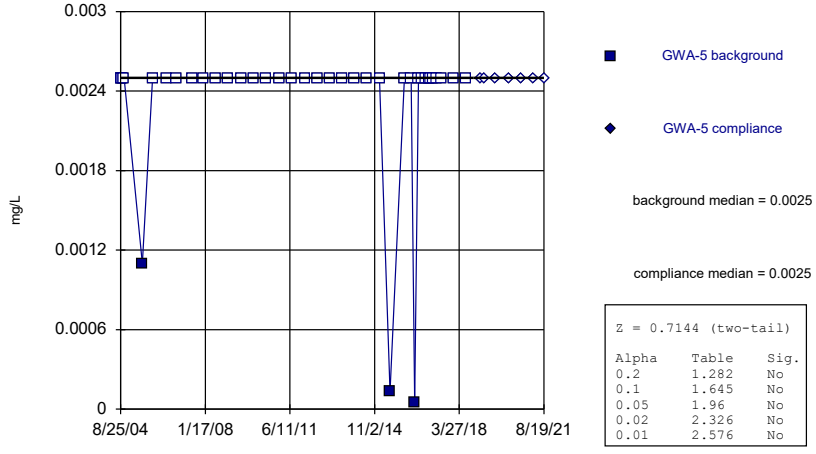
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = 0.7144 (two-tail)

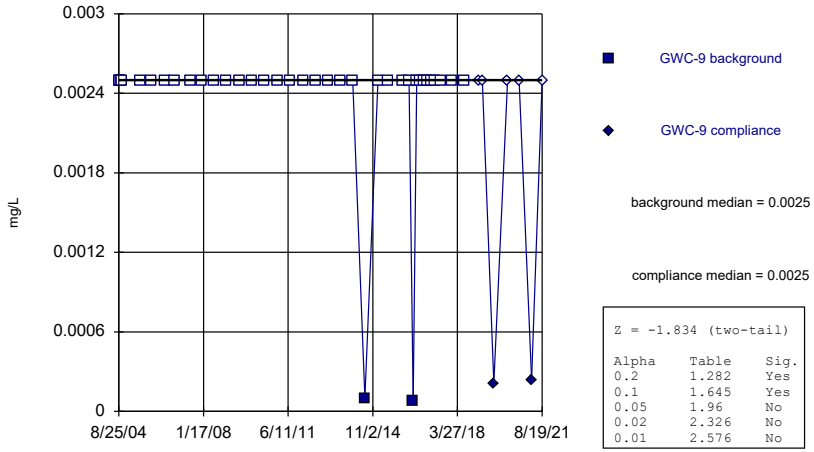
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -1.834 (two-tail)

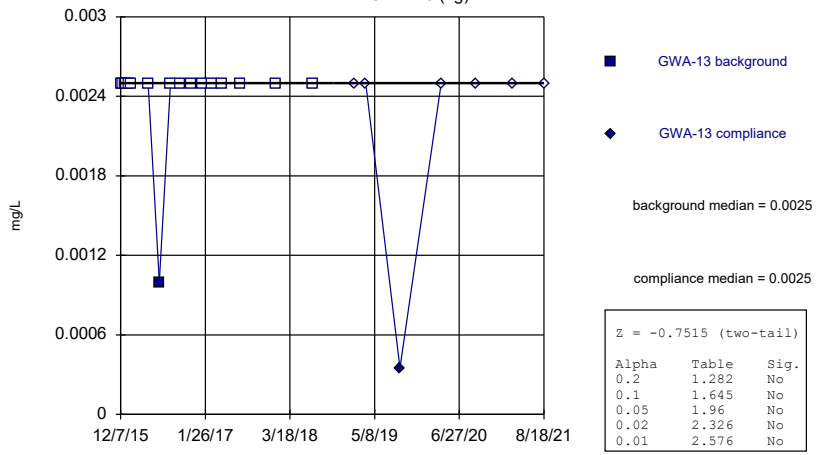
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = -0.7515 (two-tail)

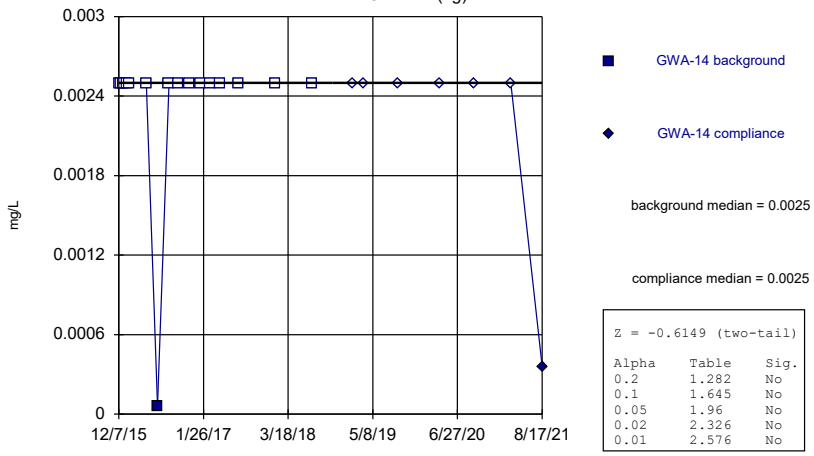
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = -0.6149 (two-tail)

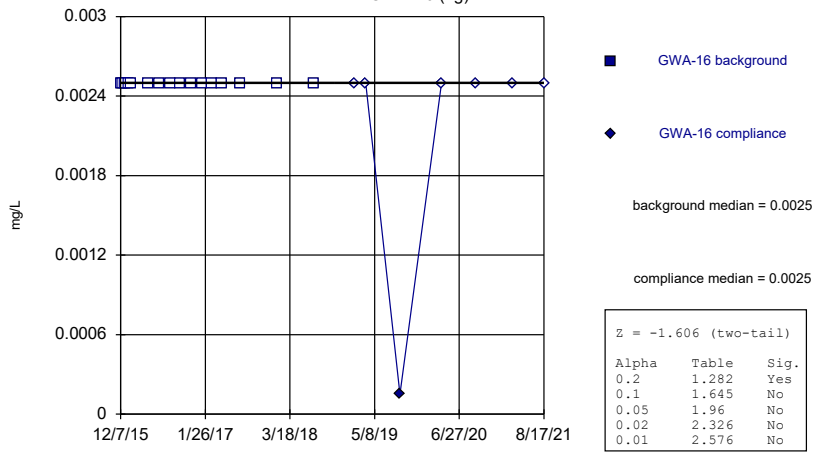
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = -1.606 (two-tail)

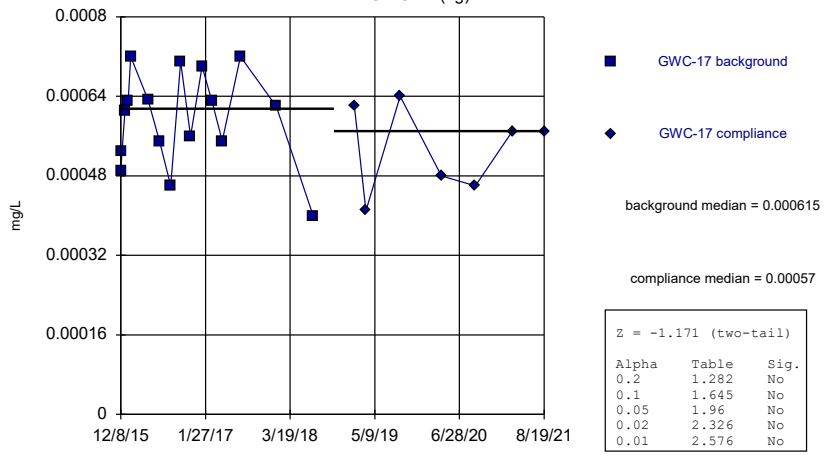
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:32 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



Z = -1.171 (two-tail)

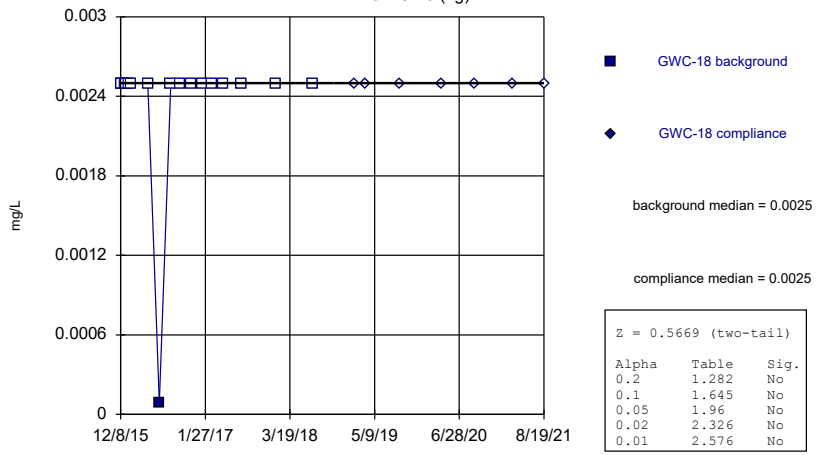
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



Z = 0.5669 (two-tail)

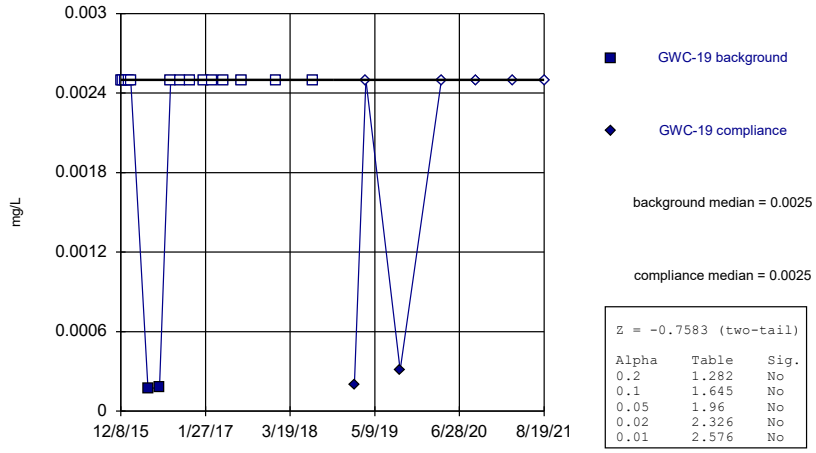
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -0.7583 (two-tail)

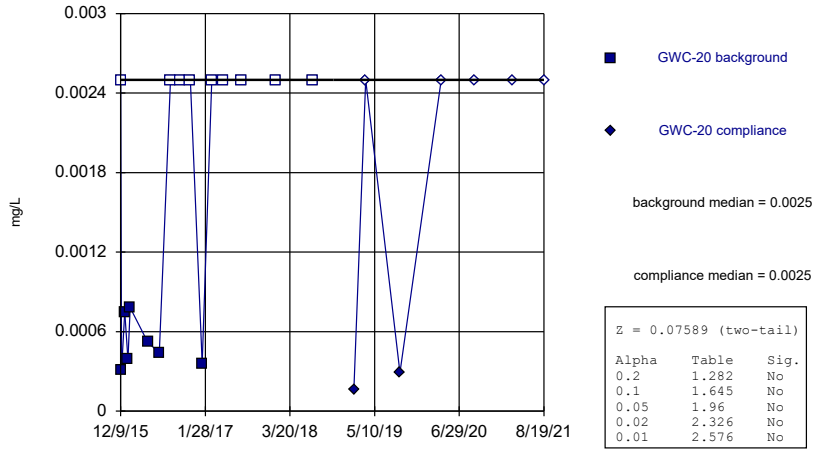
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = 0.07589 (two-tail)

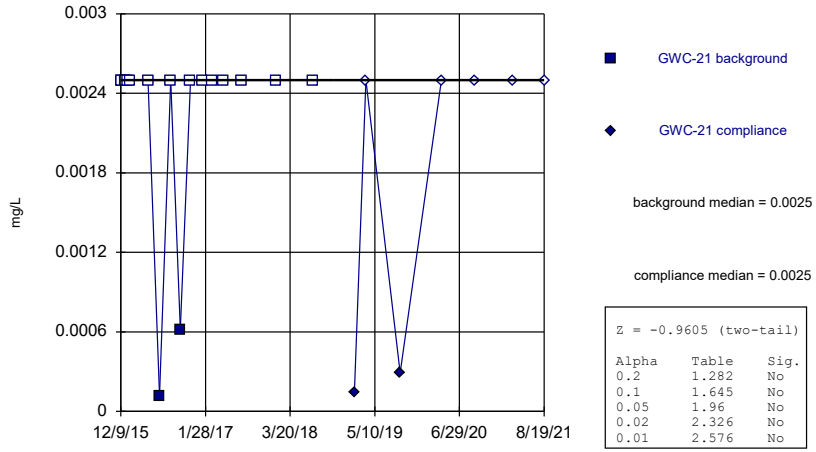
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -0.9605 (two-tail)

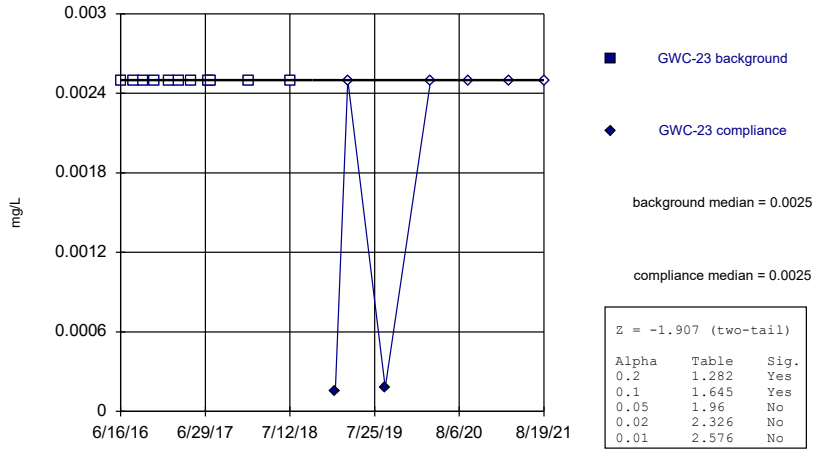
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -1.907 (two-tail)

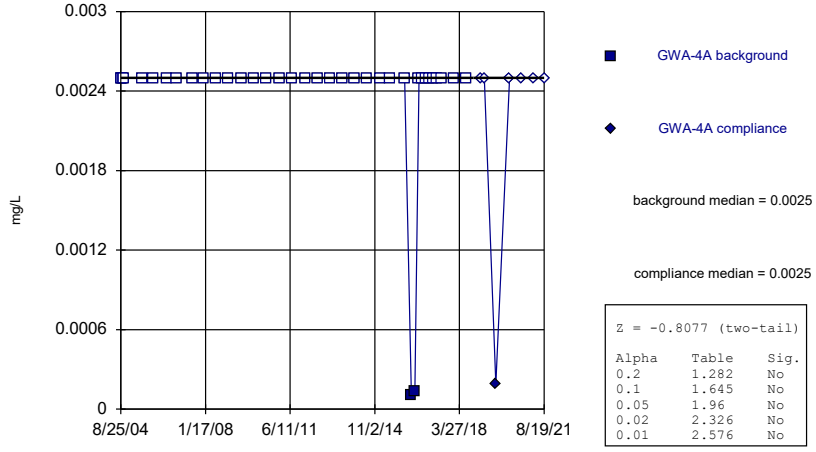
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = -0.8077 (two-tail)

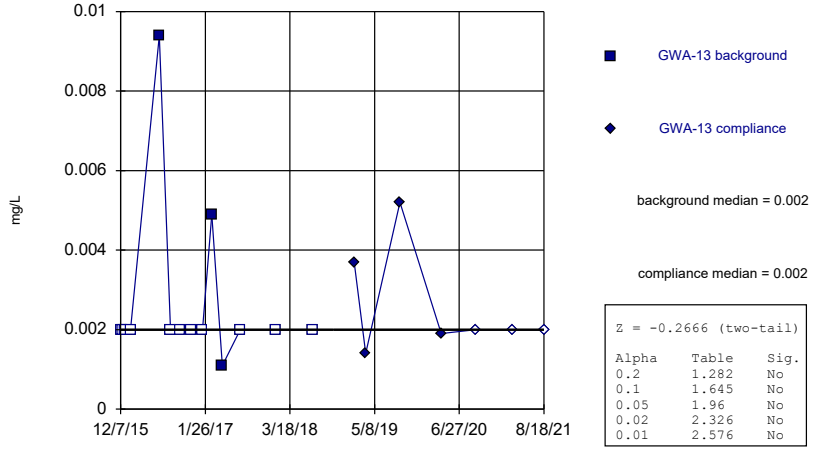
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = -0.2666 (two-tail)

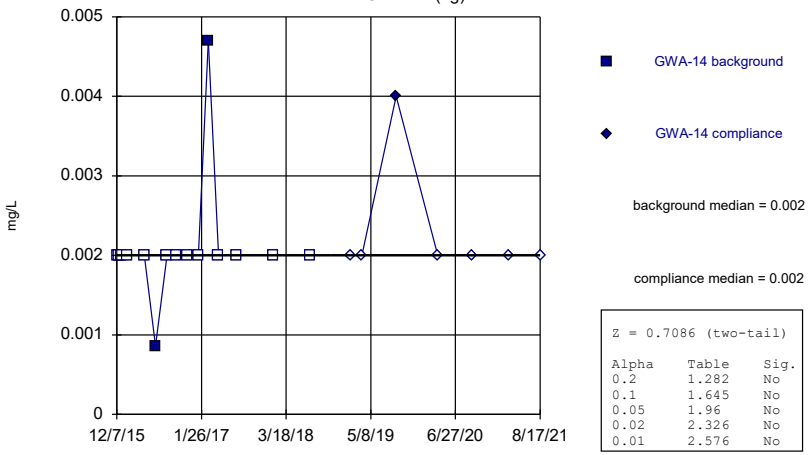
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = 0.7086 (two-tail)

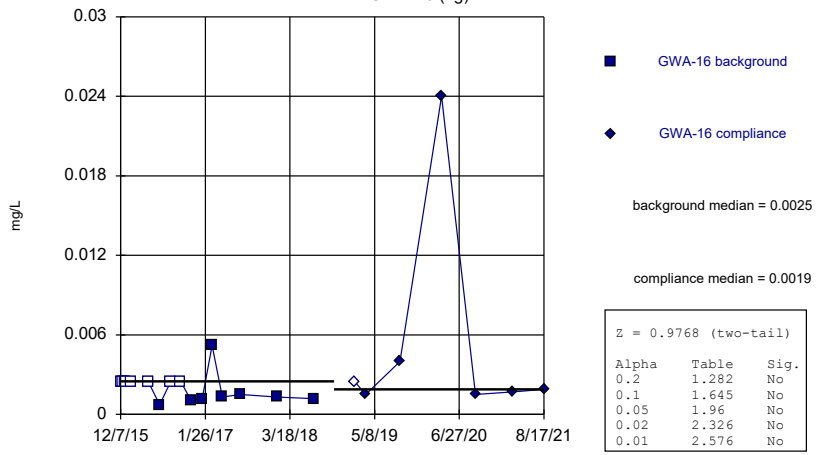
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = 0.9768 (two-tail)

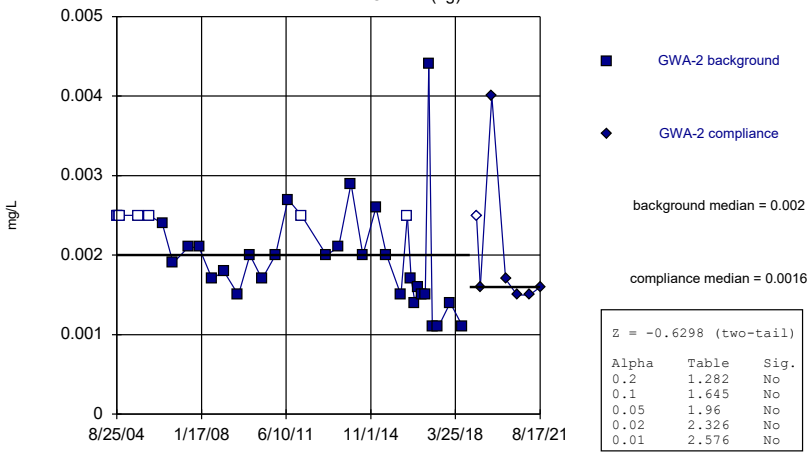
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -0.6298 (two-tail)

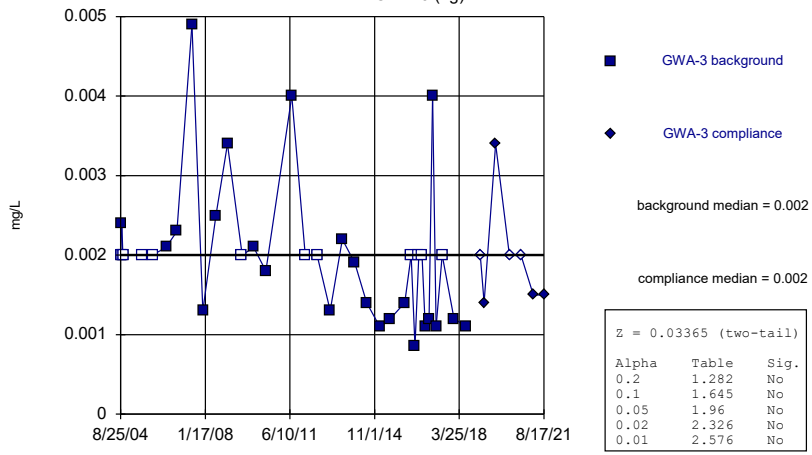
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 0.03365 (two-tail)

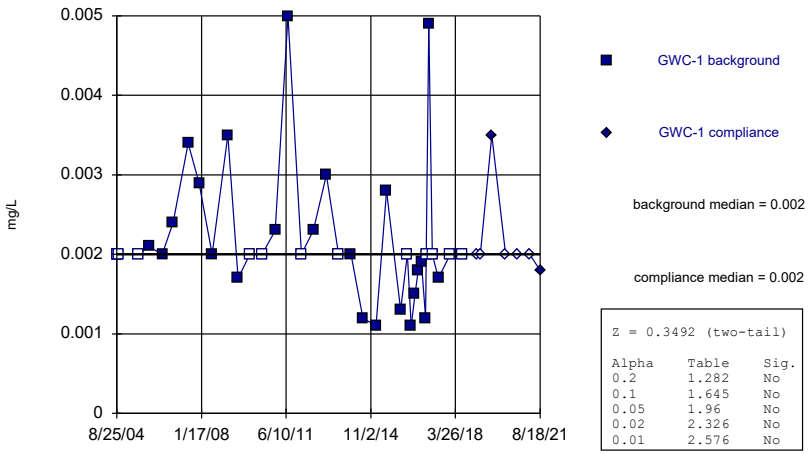
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = 0.3492 (two-tail)

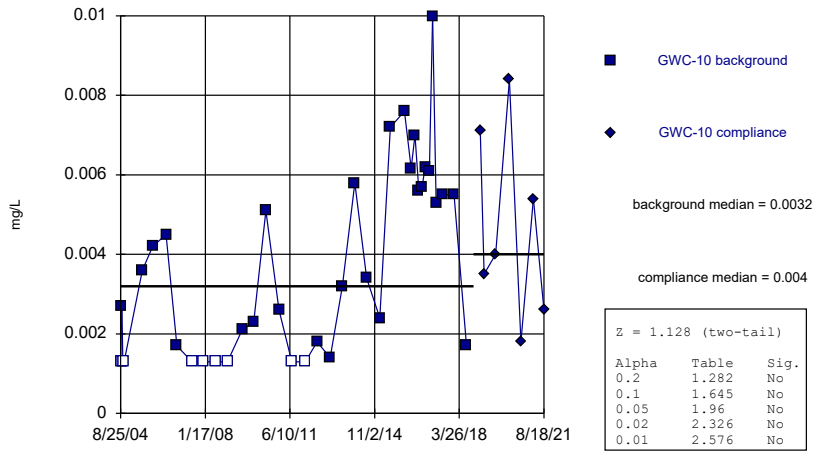
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = 1.128 (two-tail)

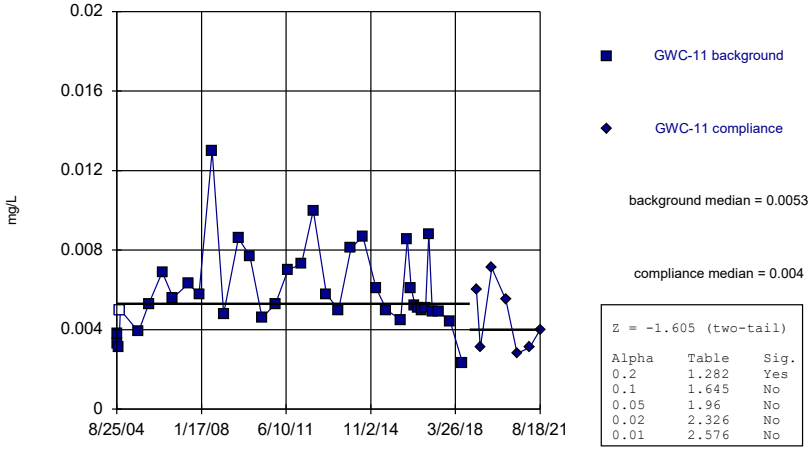
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -1.605 (two-tail)

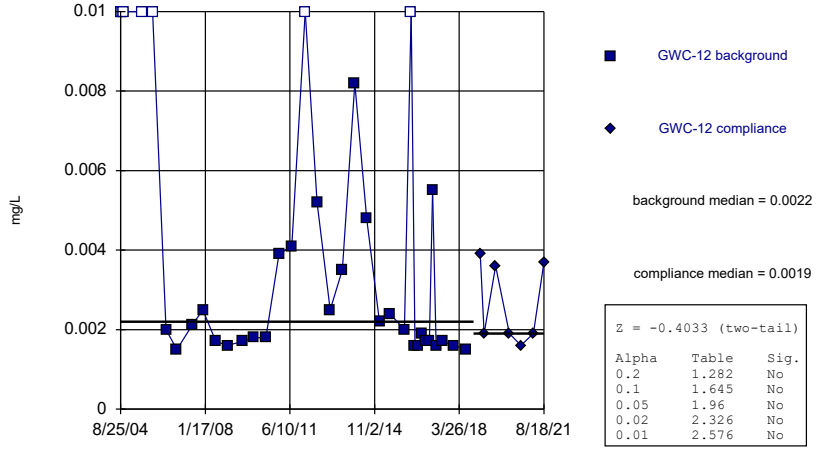
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -0.4033 (two-tail)

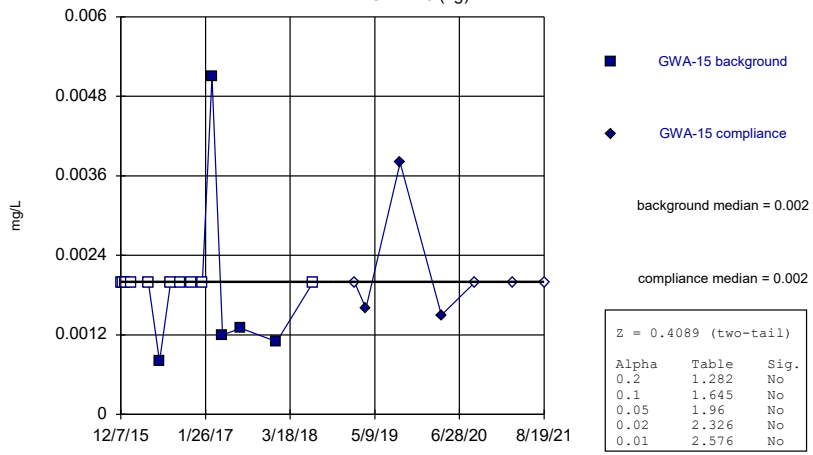
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = 0.4089 (two-tail)

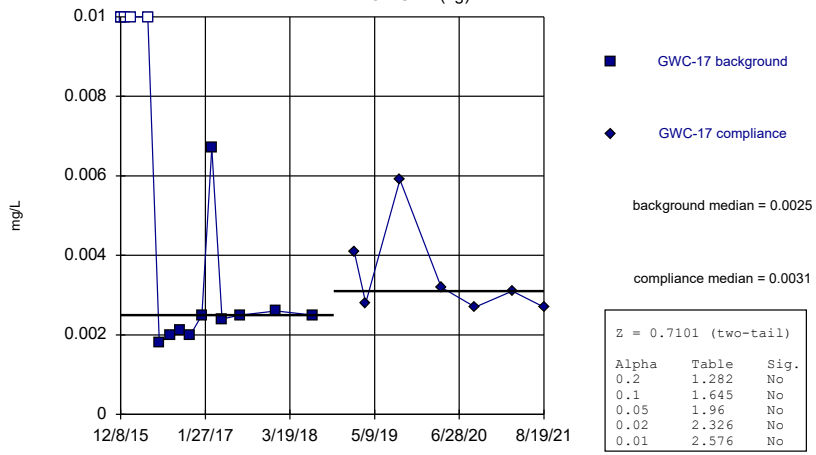
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



Z = 0.7101 (two-tail)

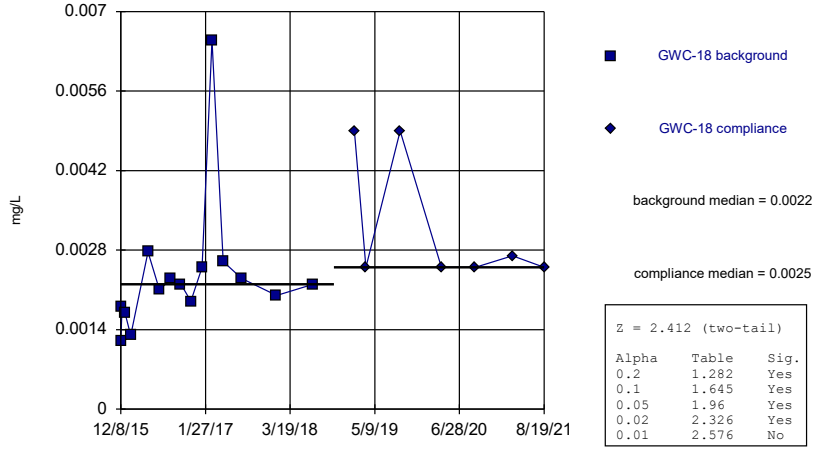
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



Z = 2.412 (two-tail)

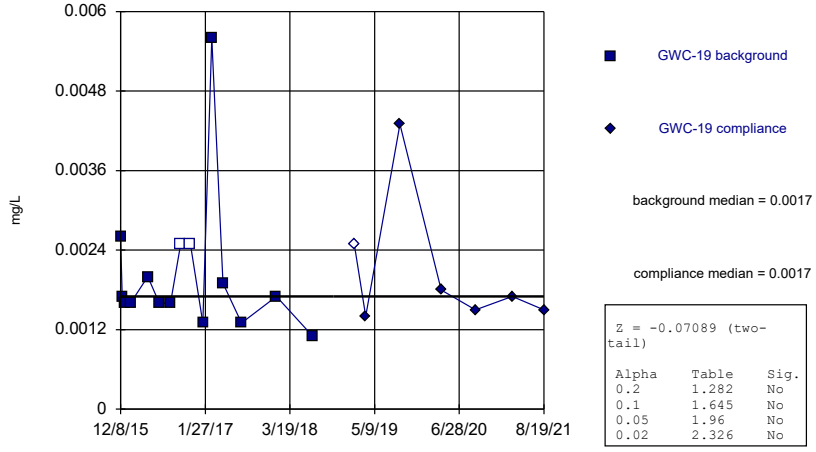
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -0.07089 (two-tail)

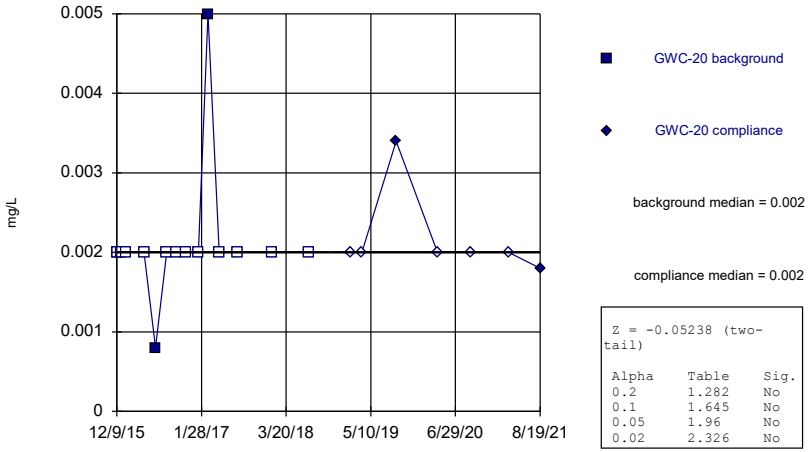
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -0.05238 (two-tail)

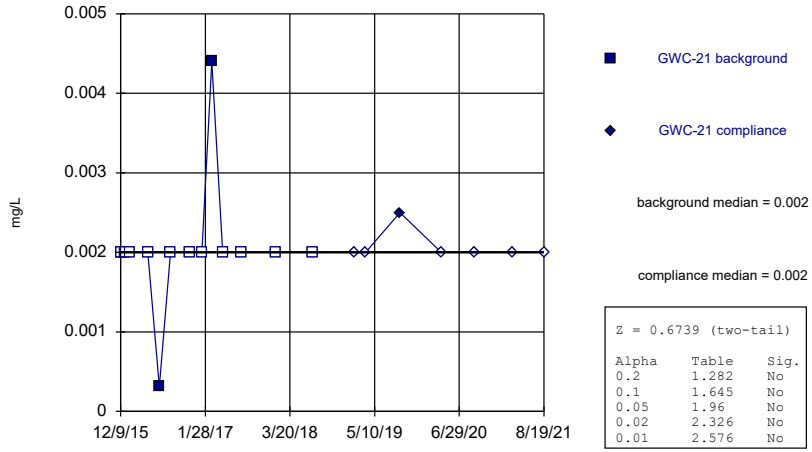
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.6739 (two-tail)

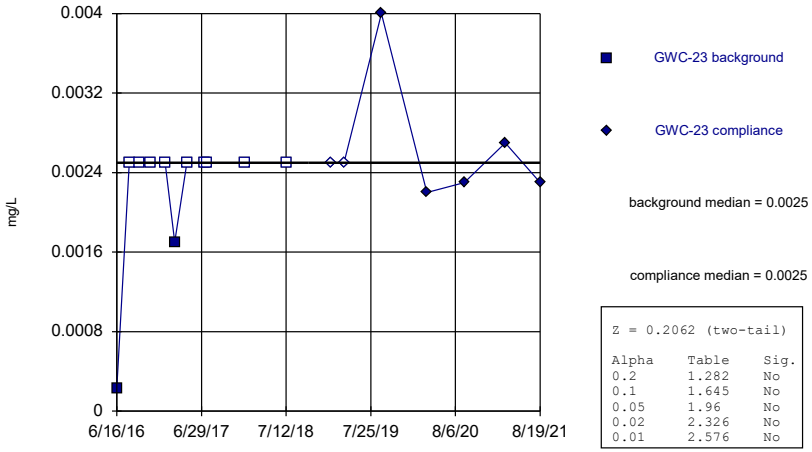
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = 0.2062 (two-tail)

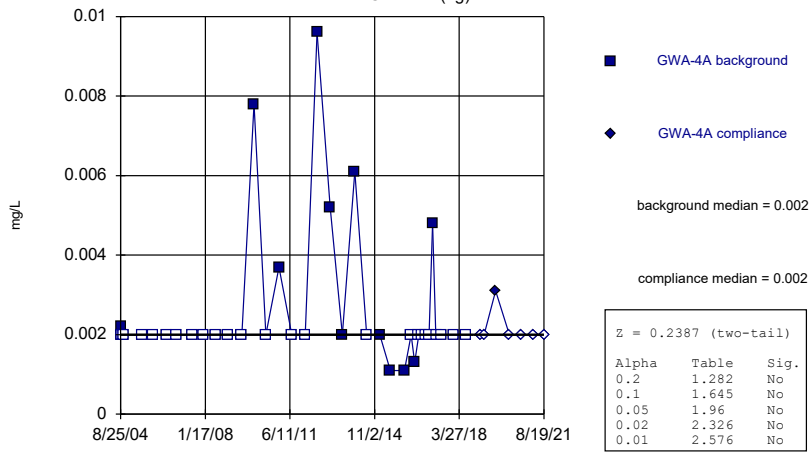
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = 0.2387 (two-tail)

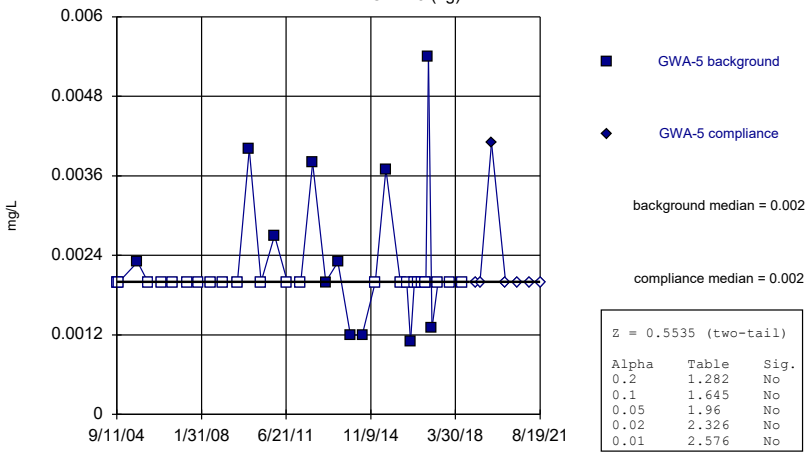
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = 0.5535 (two-tail)

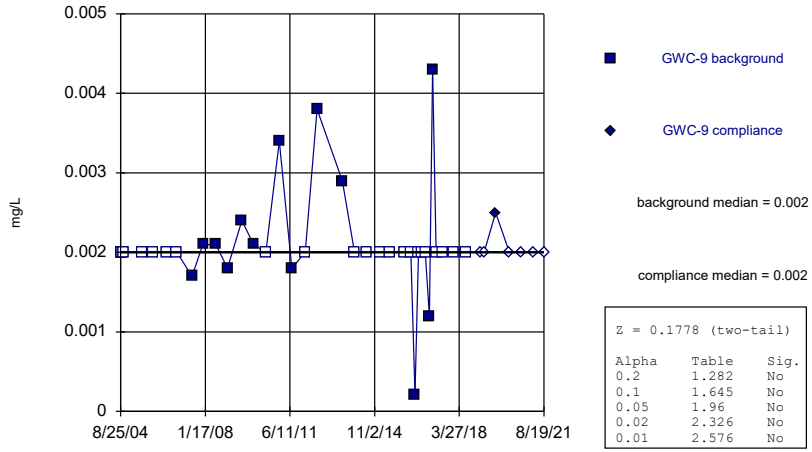
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = 0.1778 (two-tail)

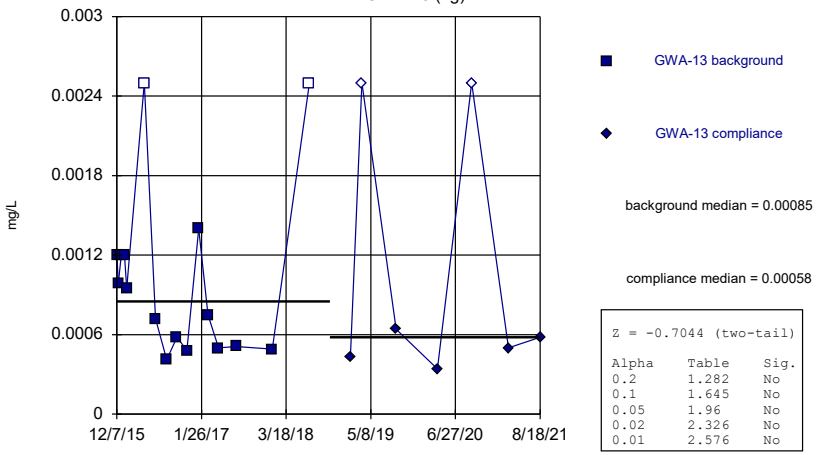
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = -0.7044 (two-tail)

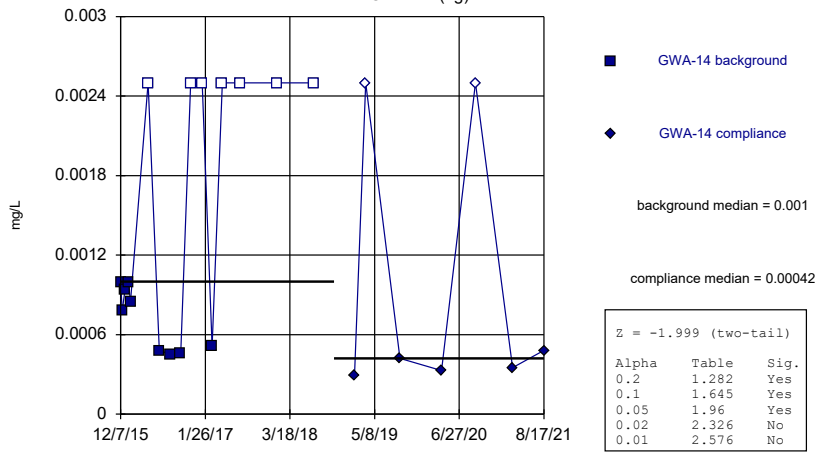
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = -1.999 (two-tail)

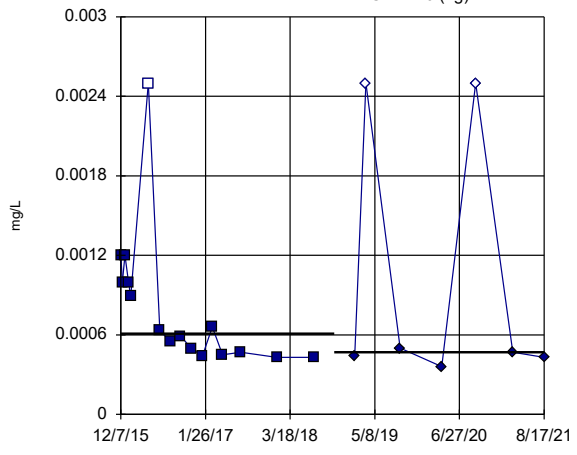
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



GWA-16 background

GWA-16 compliance

background median = 0.00061

compliance median = 0.00047

Z = -0.8044 (two-tail)

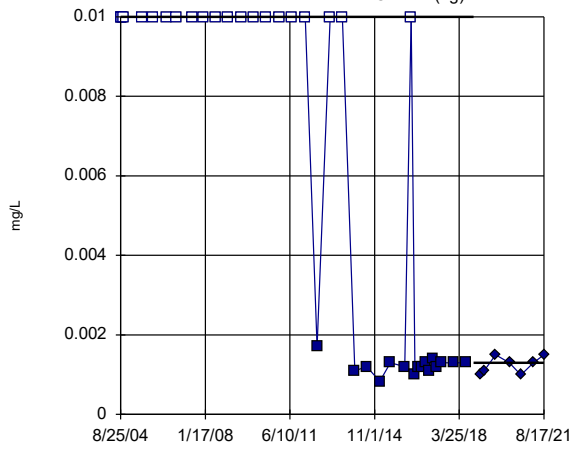
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



GWA-2 background

GWA-2 compliance

background median = 0.01

compliance median = 0.0013

Z = -2.438 (two-tail)

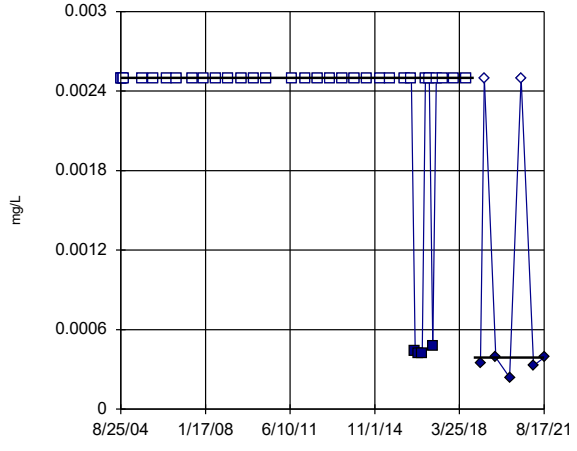
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



GWA-3 background

GWA-3 compliance

background median = 0.0025

compliance median = 0.00039

Z = -4.002 (two-tail)

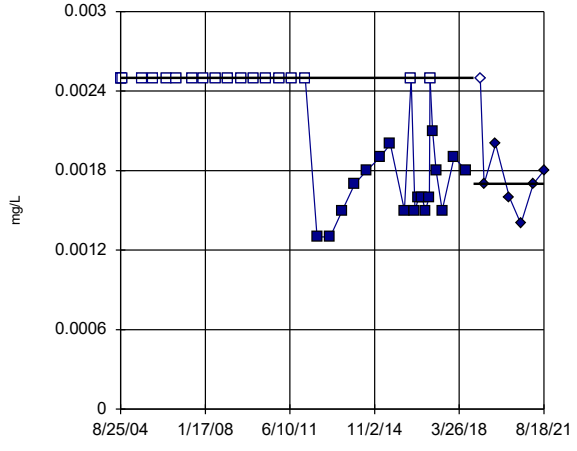
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



GWC-1 background

GWC-1 compliance

background median = 0.0025

compliance median = 0.0017

Z = -1.418 (two-tail)

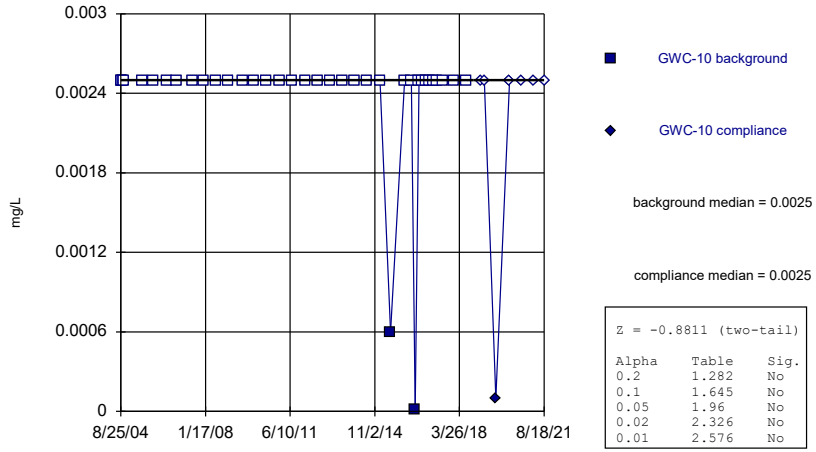
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -0.8811 (two-tail)

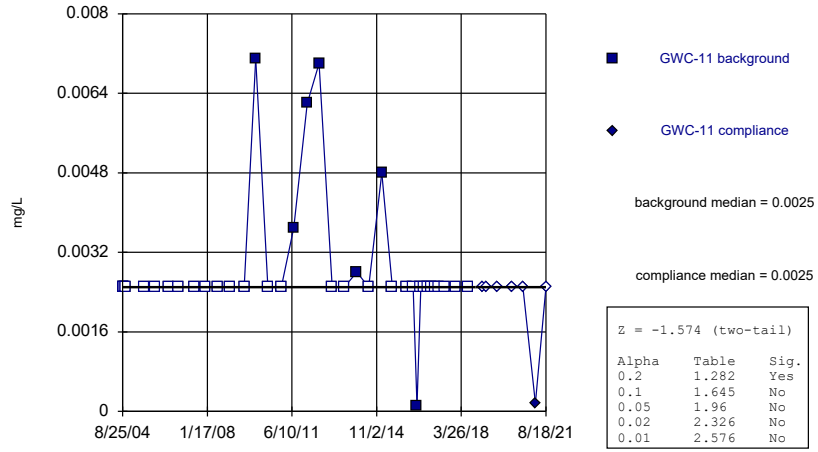
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -1.574 (two-tail)

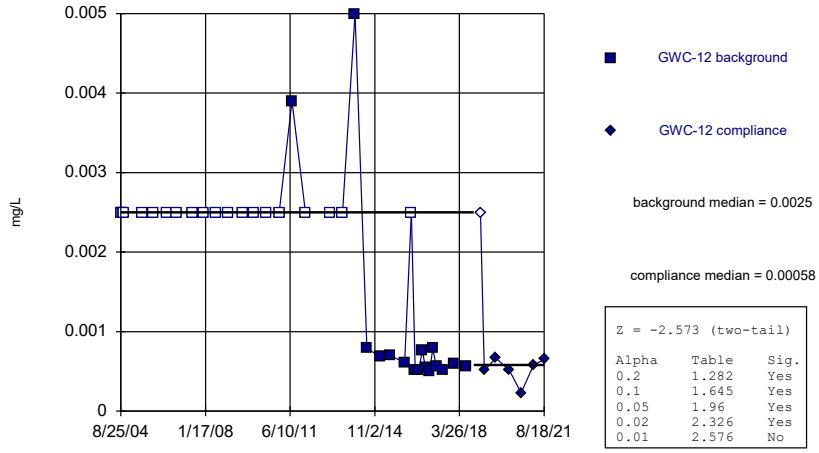
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -2.573 (two-tail)

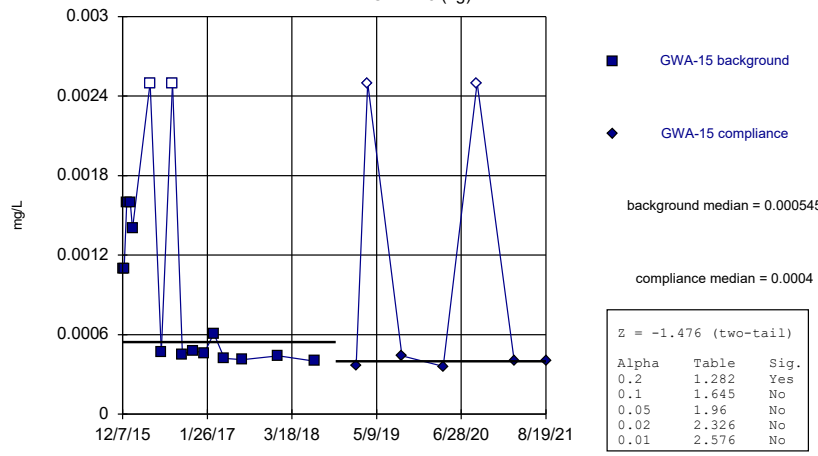
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = -1.476 (two-tail)

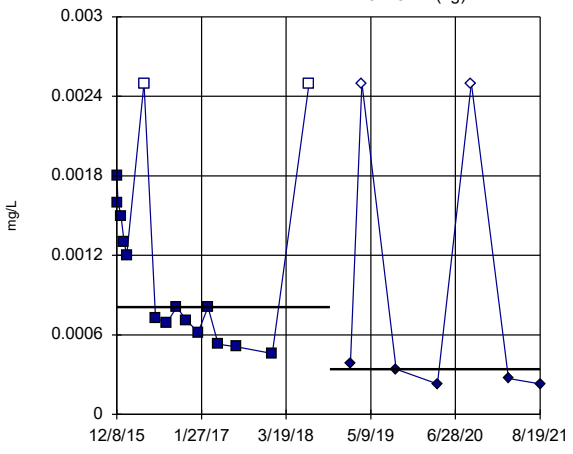
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



GWC-17 background

GWC-17 compliance

background median = 0.00081

compliance median = 0.00034

Z = -1.776 (two-tail)

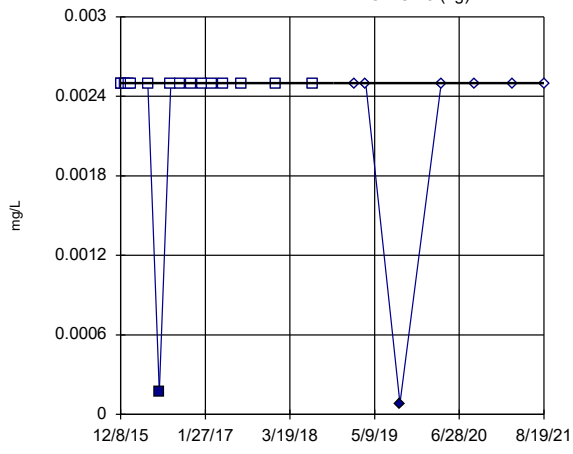
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



GWC-18 background

GWC-18 compliance

background median = 0.0025

compliance median = 0.0025

Z = -0.7515 (two-tail)

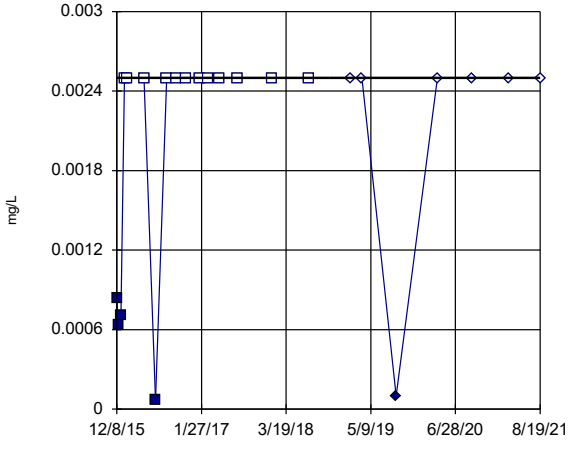
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



GWC-19 background

GWC-19 compliance

background median = 0.0025

compliance median = 0.0025

Z = 0.4165 (two-tail)

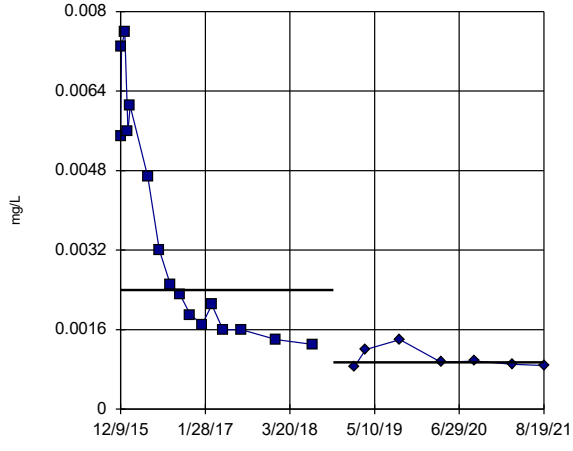
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



GWC-20 background

GWC-20 compliance

background median = 0.0024

compliance median = 0.00094

Z = -3.677 (two-tail)

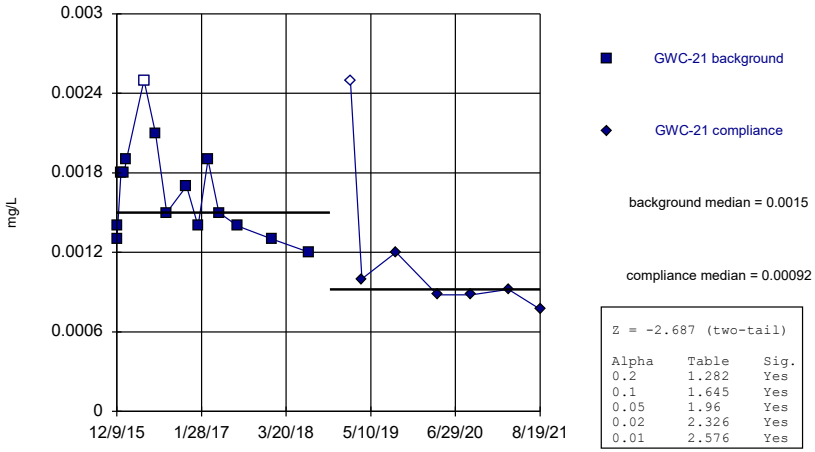
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -2.687 (two-tail)

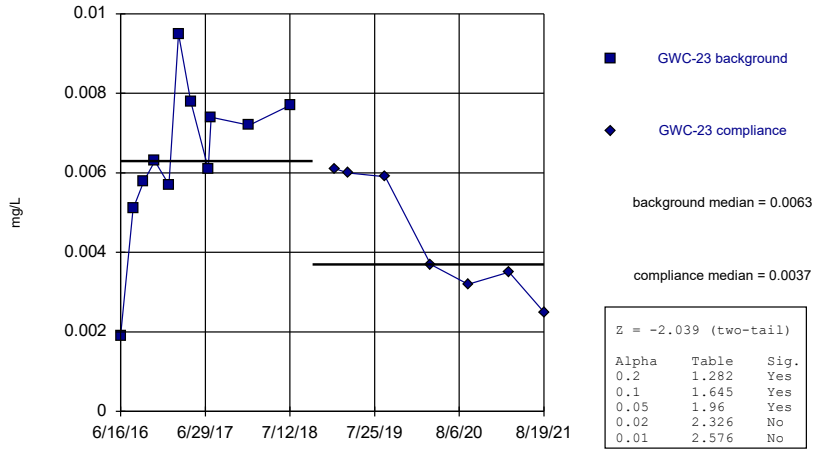
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -2.039 (two-tail)

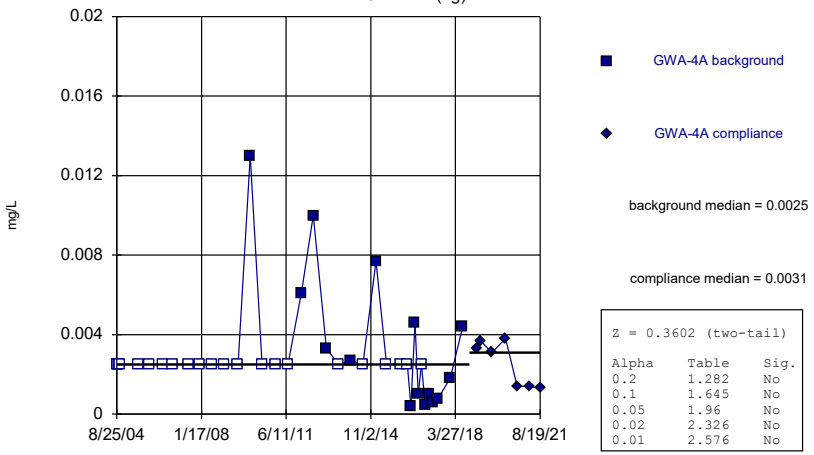
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = 0.3602 (two-tail)

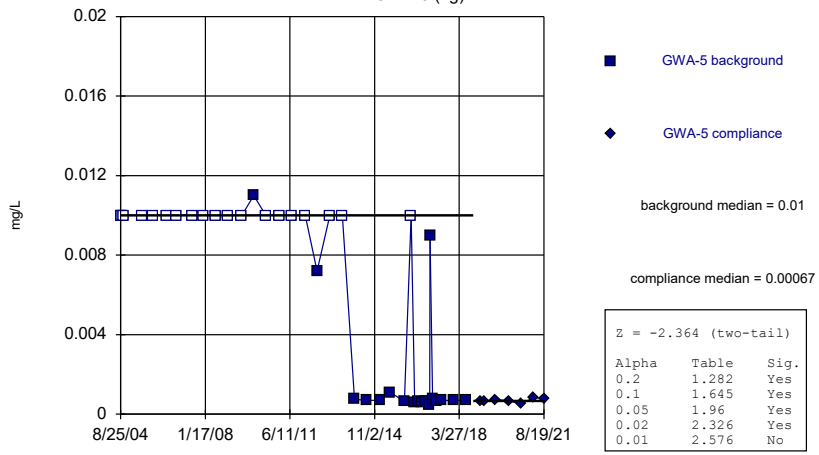
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = -2.364 (two-tail)

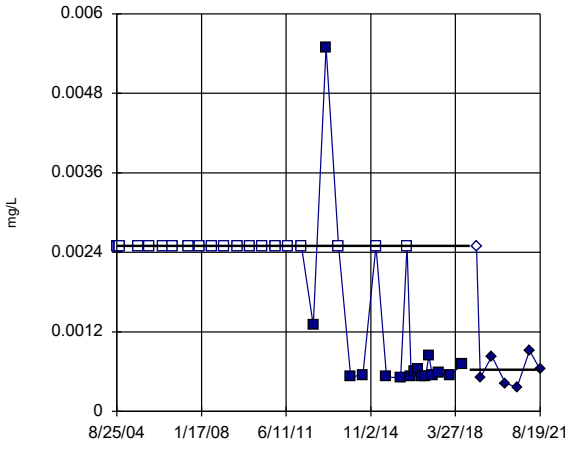
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



GWC-9 background

GWC-9 compliance

background median = 0.0025

compliance median = 0.00063

Z = -2.248 (two-tail)

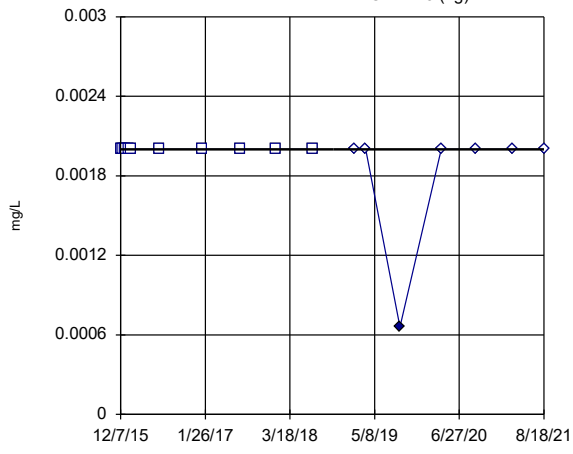
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



GWA-13 background

GWA-13 compliance

background median = 0.002

compliance median = 0.002

Z = -1.315 (two-tail)

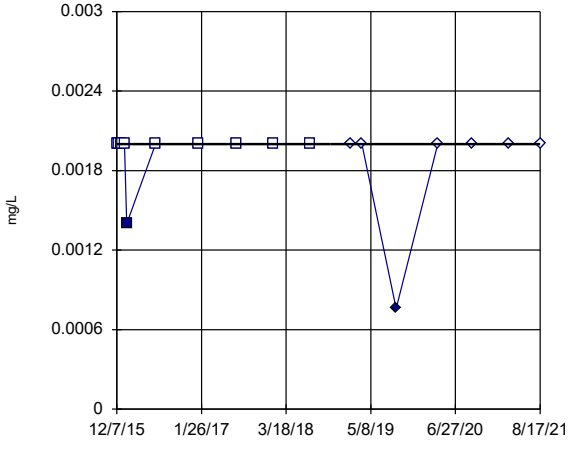
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



GWA-14 background

GWA-14 compliance

background median = 0.002

compliance median = 0.002

Z = -0.4356 (two-tail)

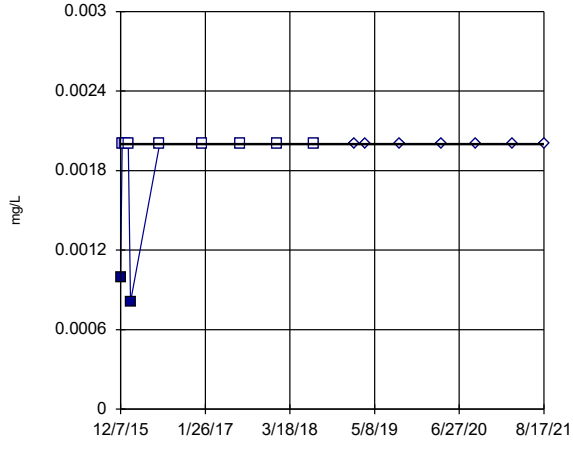
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



GWA-16 background

GWA-16 compliance

background median = 0.002

compliance median = 0.002

Z = 1.133 (two-tail)

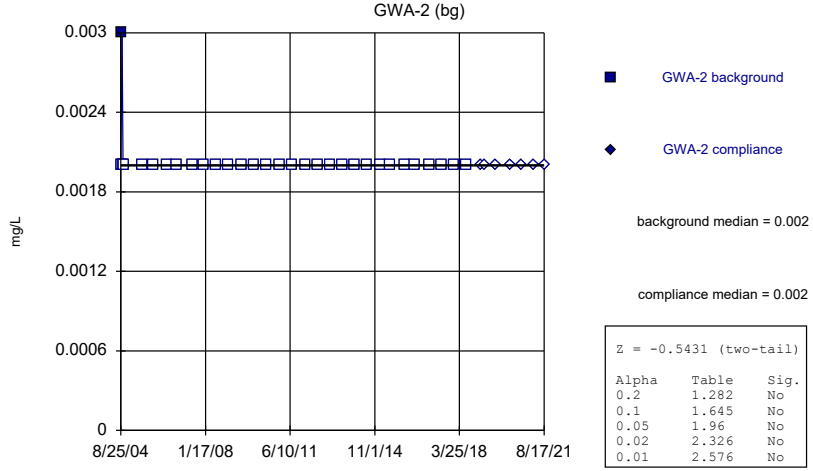
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -0.5431 (two-tail)

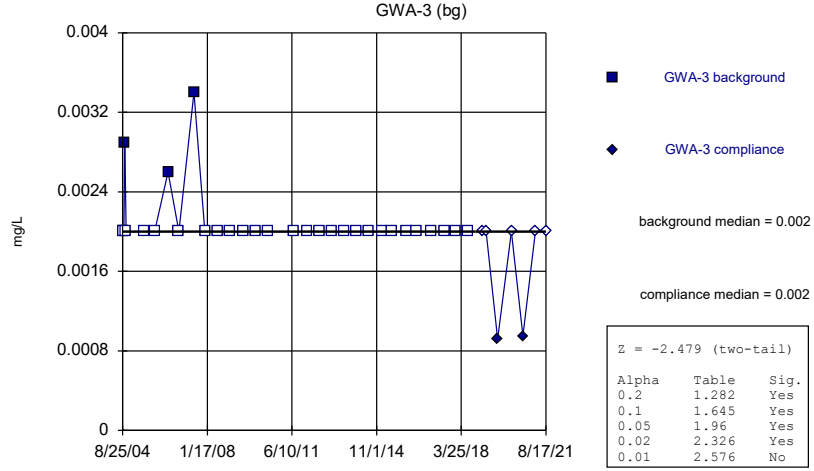
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = -2.479 (two-tail)

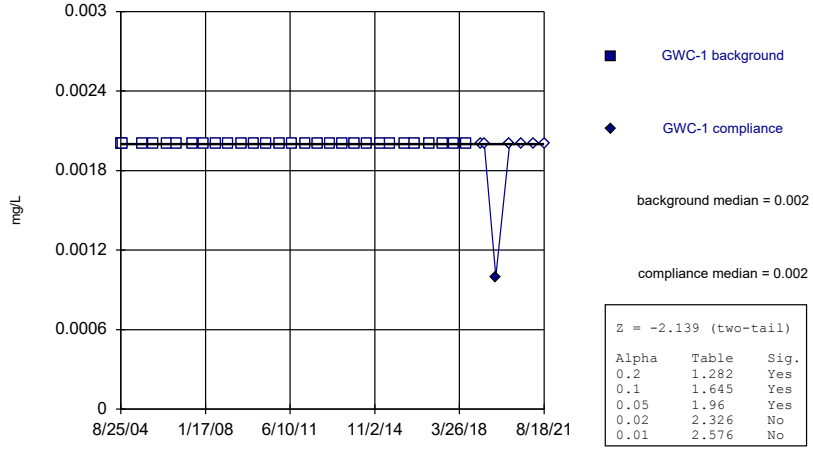
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = -2.139 (two-tail)

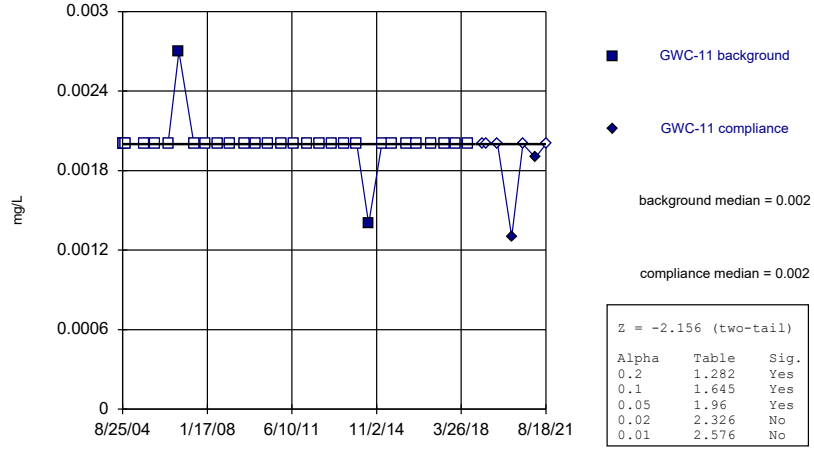
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -2.156 (two-tail)

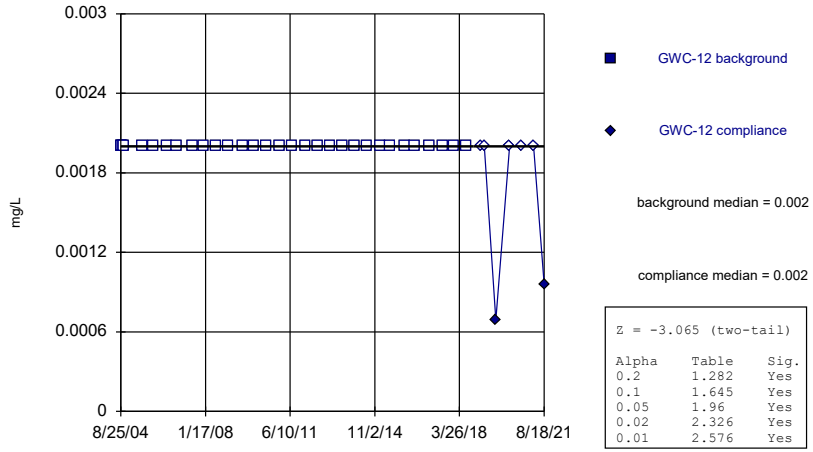
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -3.065 (two-tail)

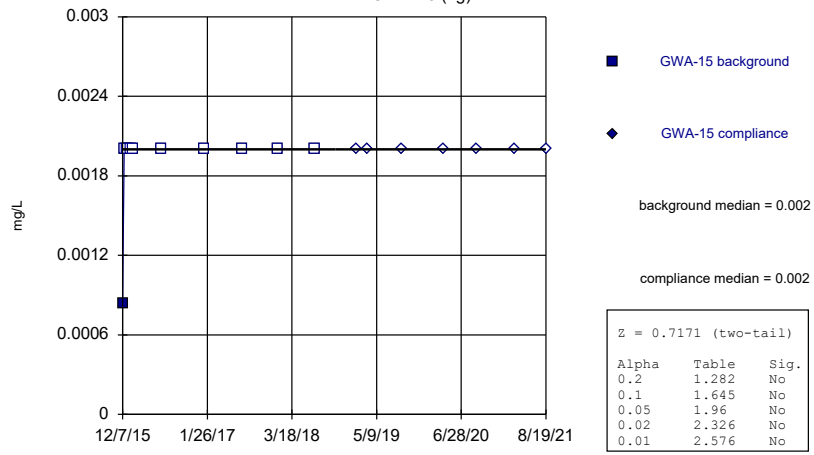
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = 0.7171 (two-tail)

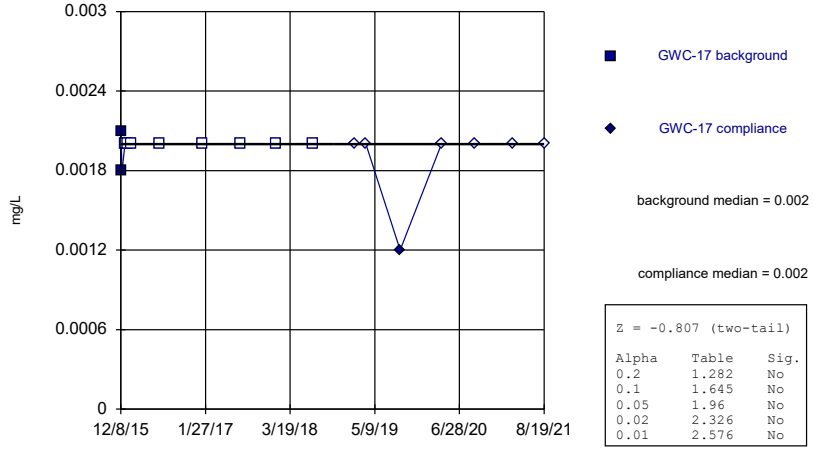
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



Z = -0.807 (two-tail)

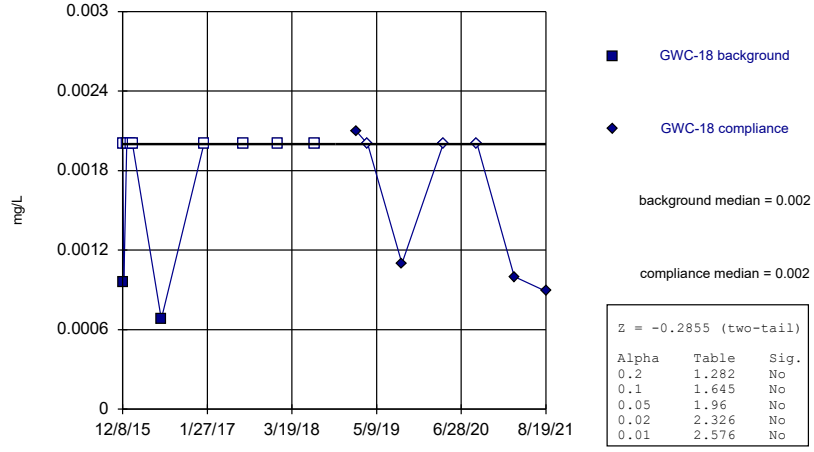
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



Z = -0.2855 (two-tail)

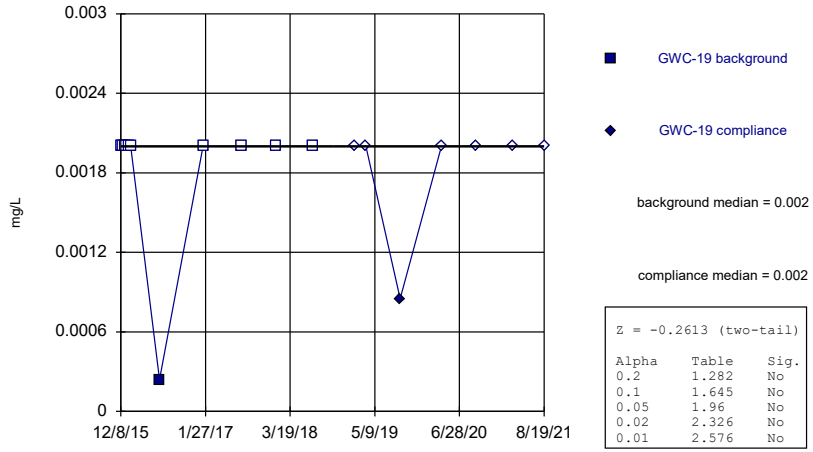
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -0.2613 (two-tail)

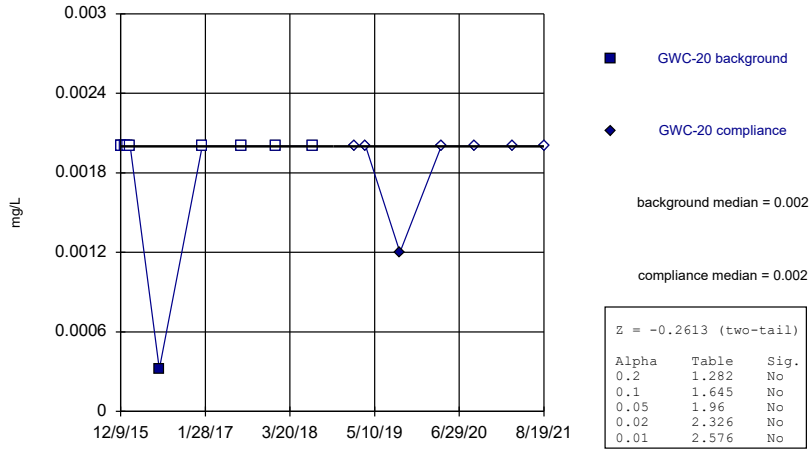
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -0.2613 (two-tail)

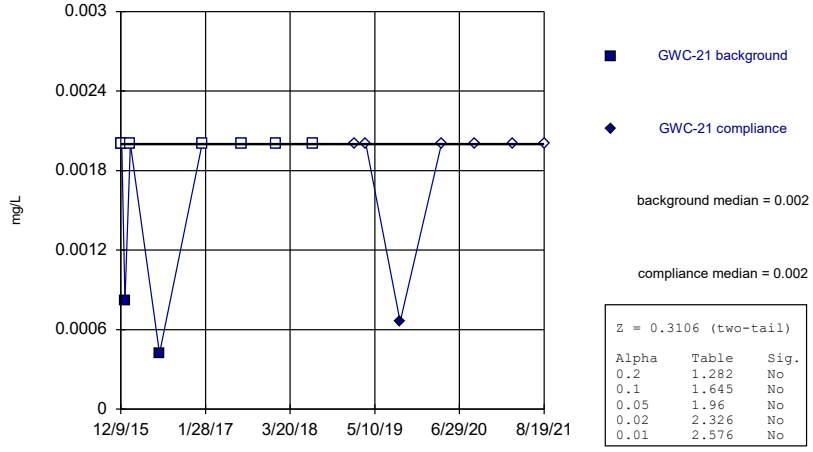
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.3106 (two-tail)

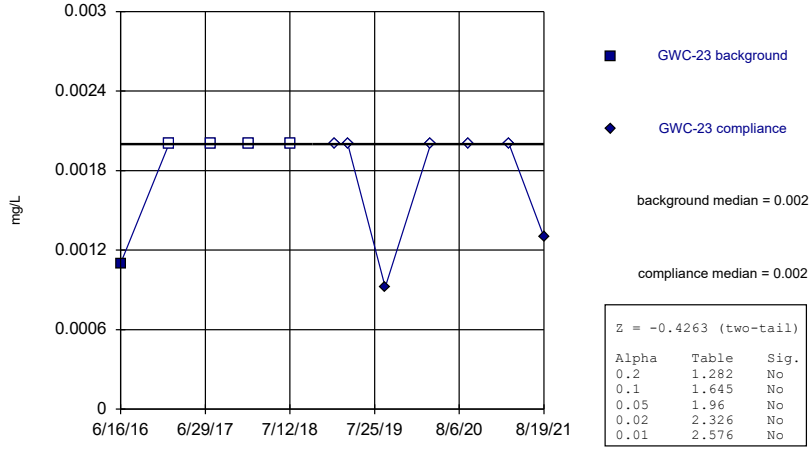
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -0.4263 (two-tail)

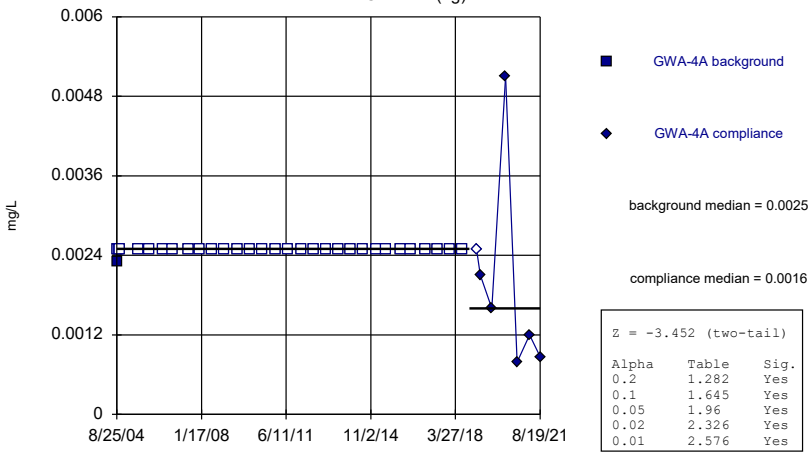
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = -3.452 (two-tail)

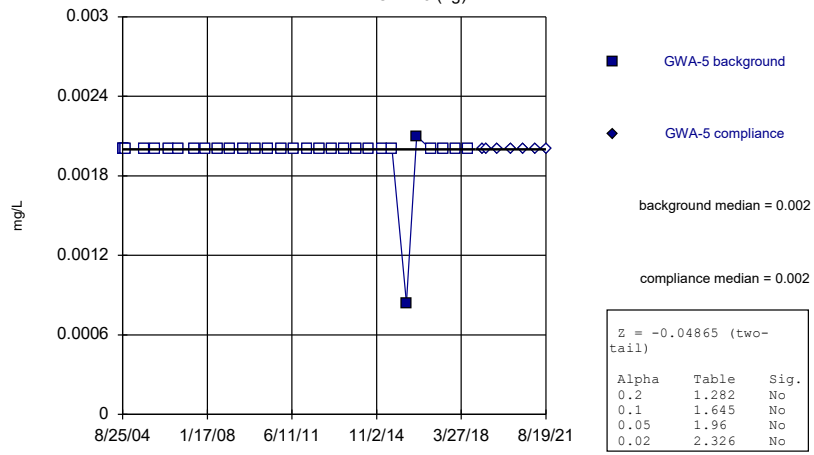
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = -0.04865 (two-tail)

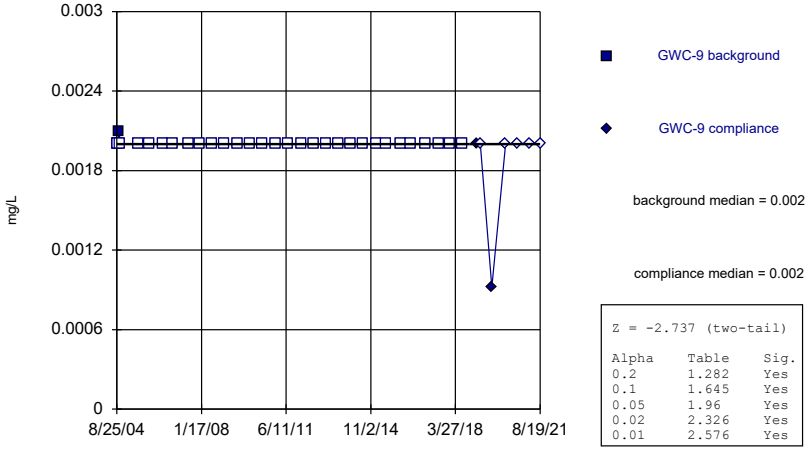
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Copper Analysis Run 8/2/2022 4:33 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -2.737 (two-tail)

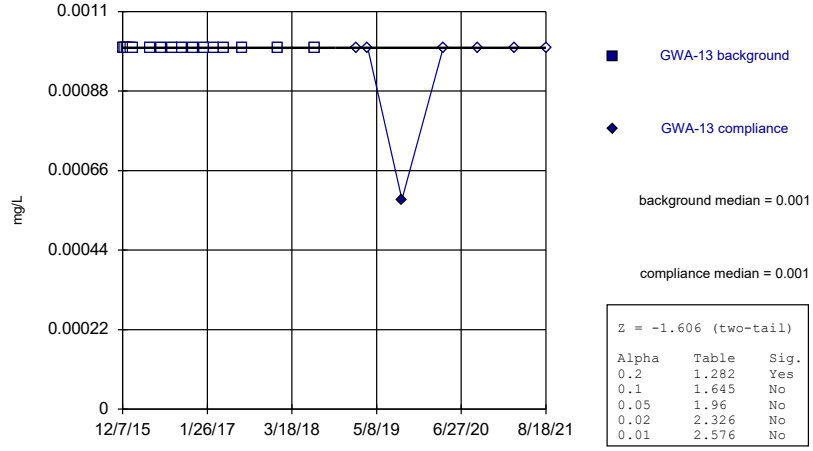
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Copper Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = -1.606 (two-tail)

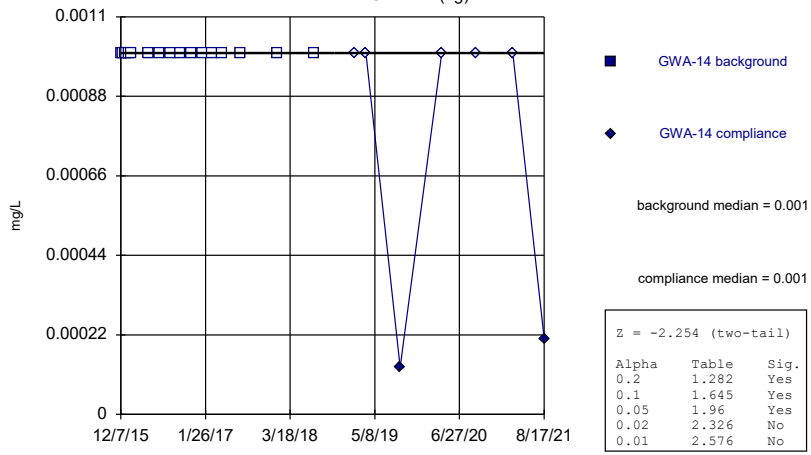
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = -2.254 (two-tail)

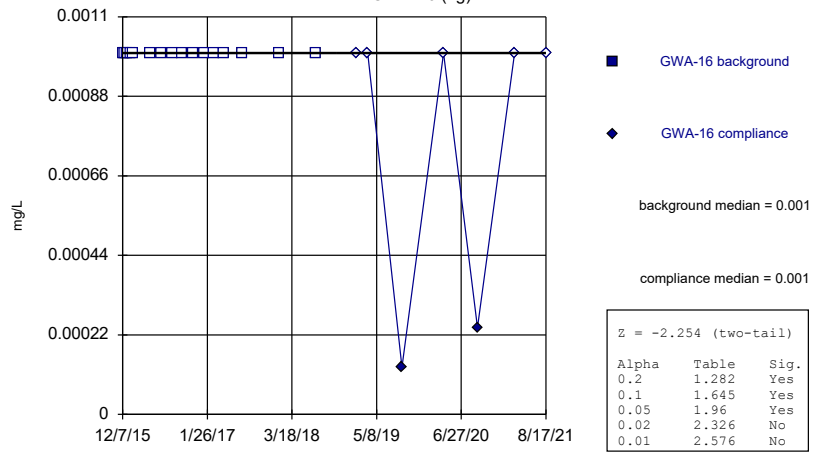
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = -2.254 (two-tail)

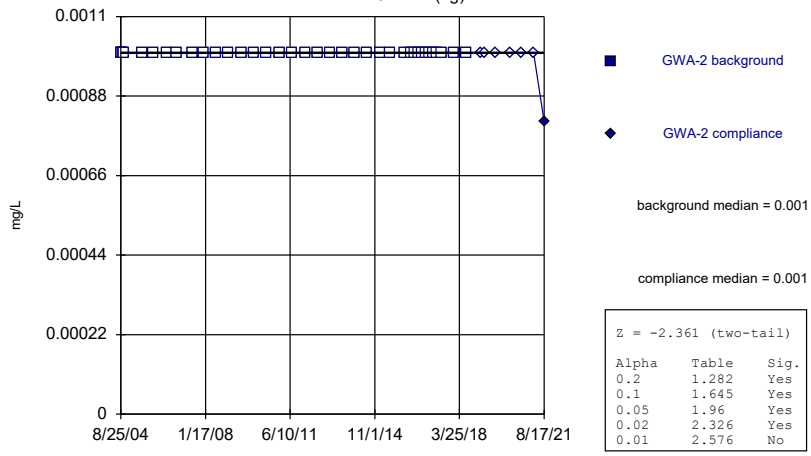
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -2.361 (two-tail)

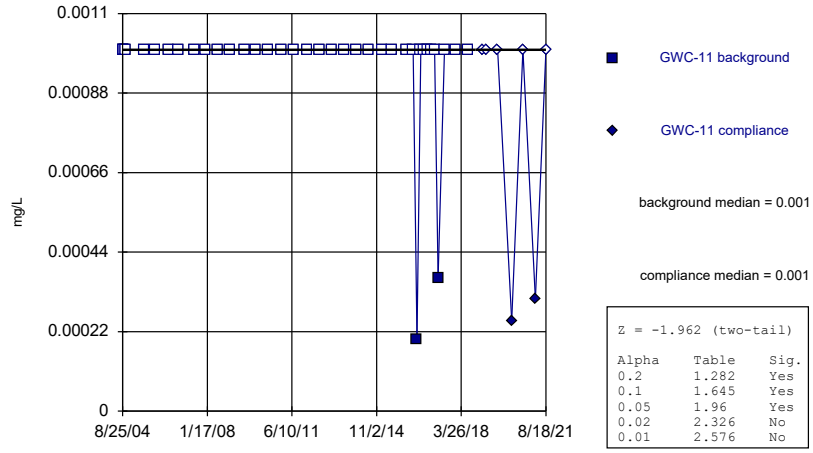
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -1.962 (two-tail)

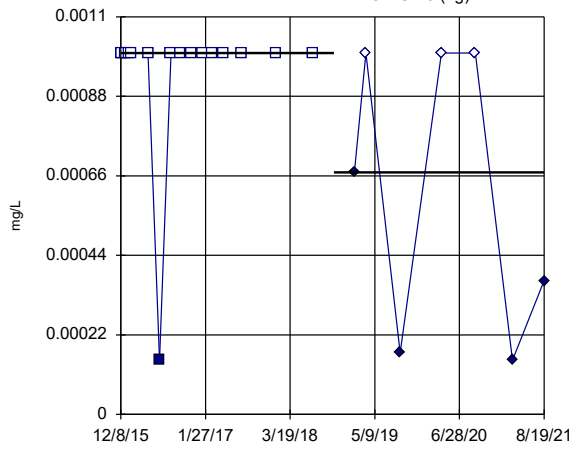
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



GWC-18 background

GWC-18 compliance

background median = 0.001

compliance median = 0.00067

Z = -2.546 (two-tail)

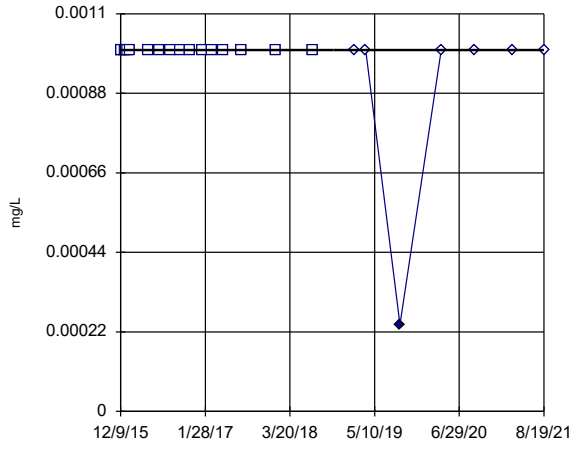
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



GWC-20 background

GWC-20 compliance

background median = 0.001

compliance median = 0.001

Z = -1.606 (two-tail)

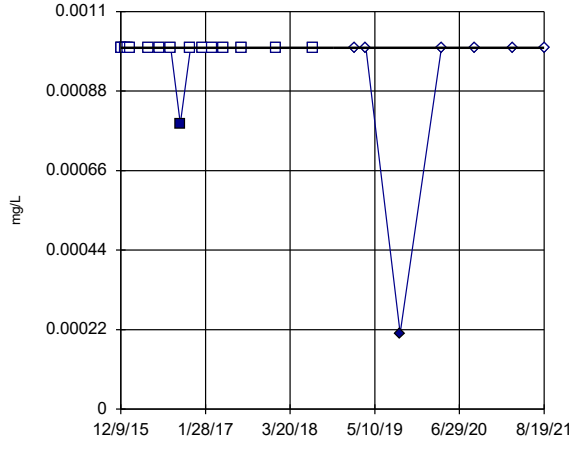
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



GWC-21 background

GWC-21 compliance

background median = 0.001

compliance median = 0.001

Z = -0.7515 (two-tail)

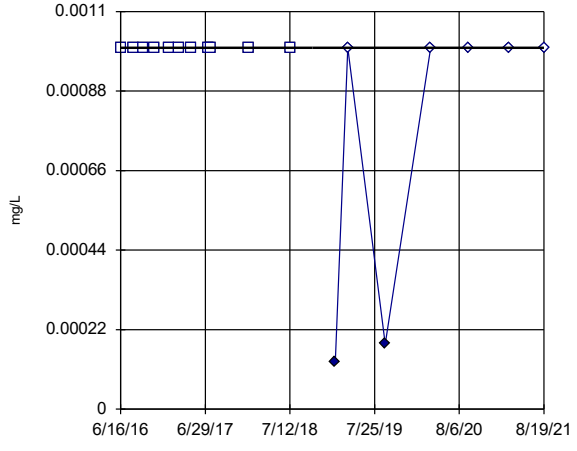
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



GWC-23 background

GWC-23 compliance

background median = 0.001

compliance median = 0.001

Z = -1.907 (two-tail)

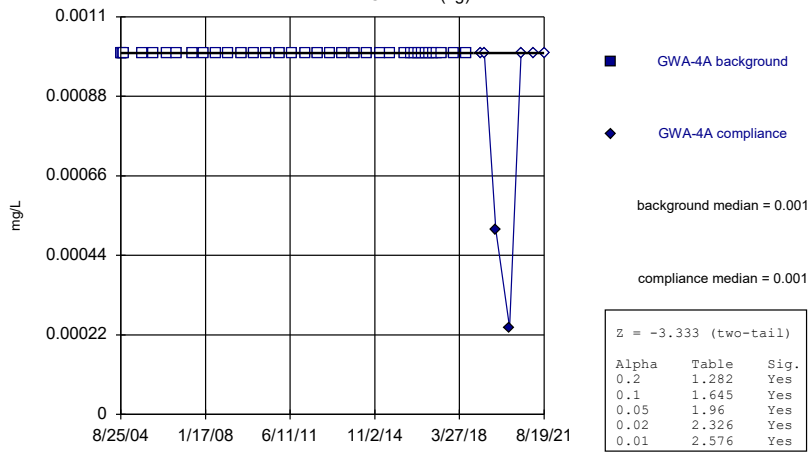
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = -3.333 (two-tail)

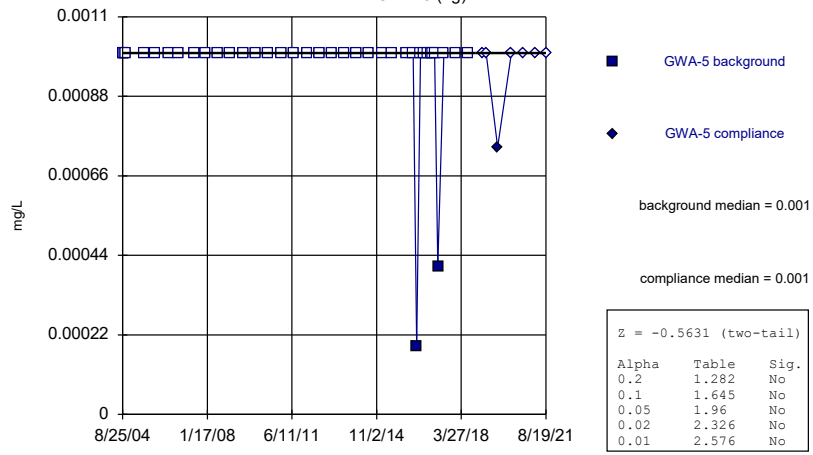
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = -0.5631 (two-tail)

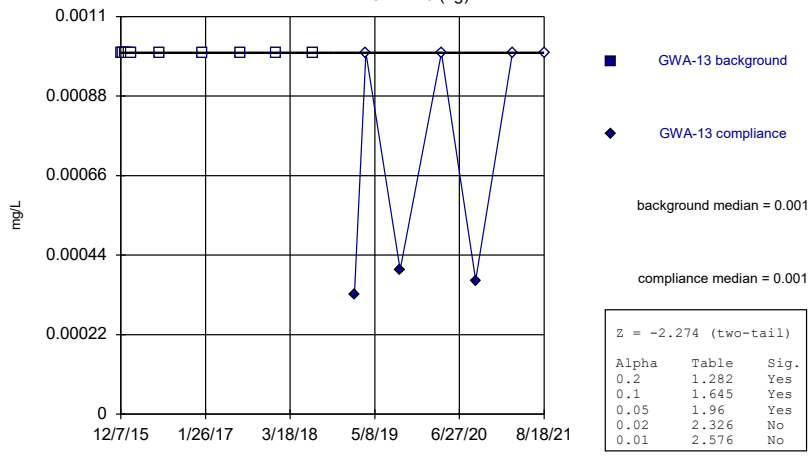
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = -2.274 (two-tail)

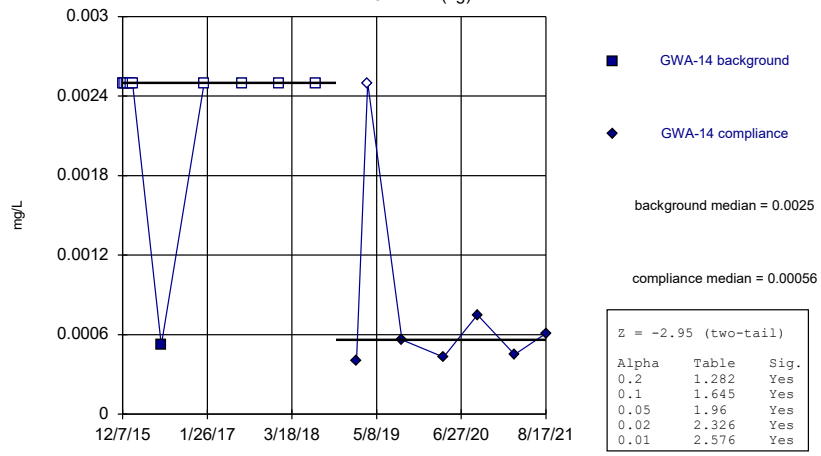
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = -2.95 (two-tail)

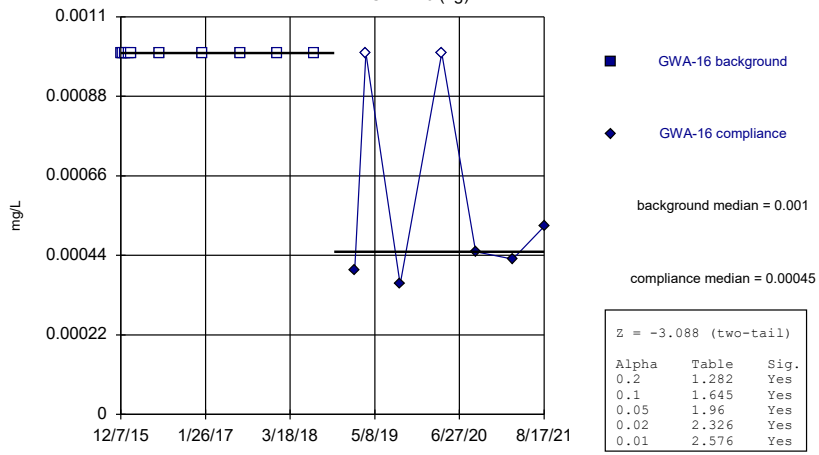
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = -3.088 (two-tail)

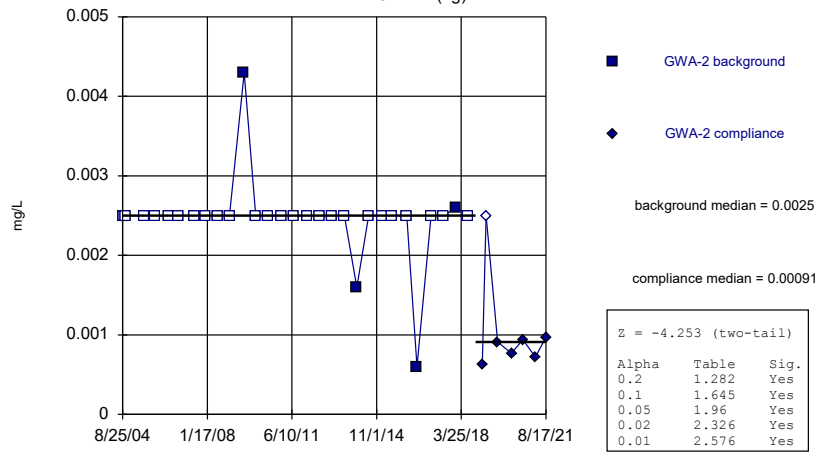
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -4.253 (two-tail)

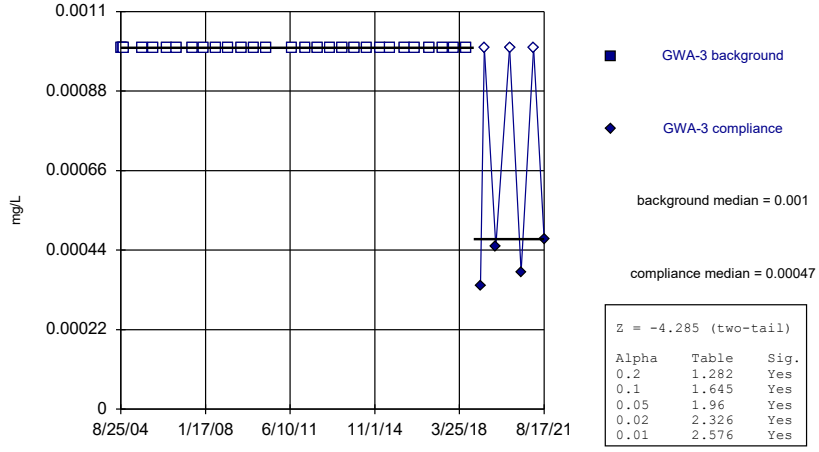
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = -4.285 (two-tail)

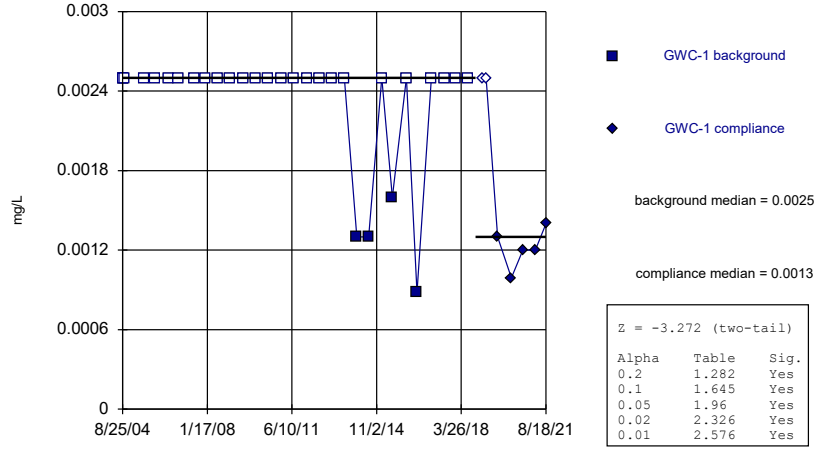
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = -3.272 (two-tail)

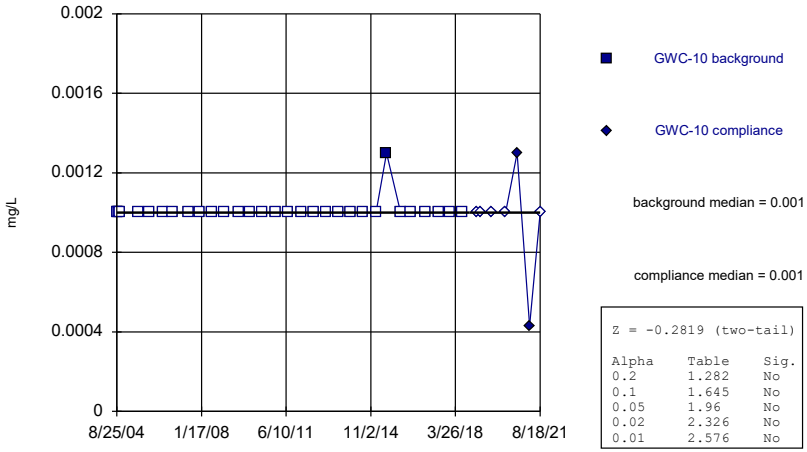
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -0.2819 (two-tail)

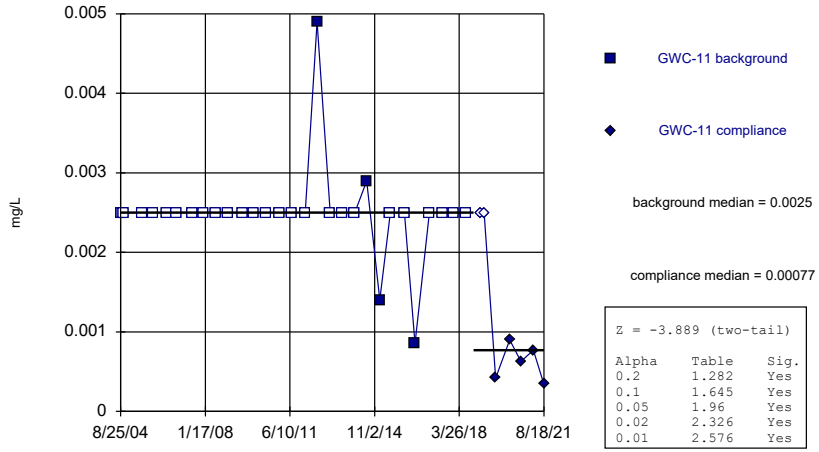
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -3.889 (two-tail)

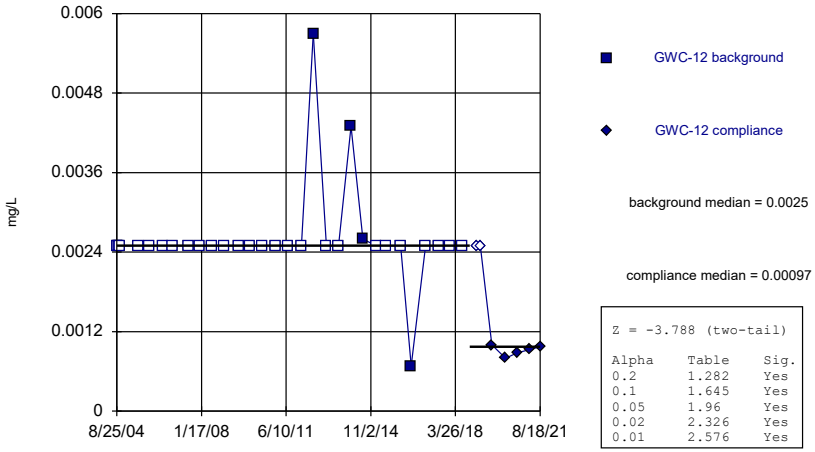
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -3.788 (two-tail)

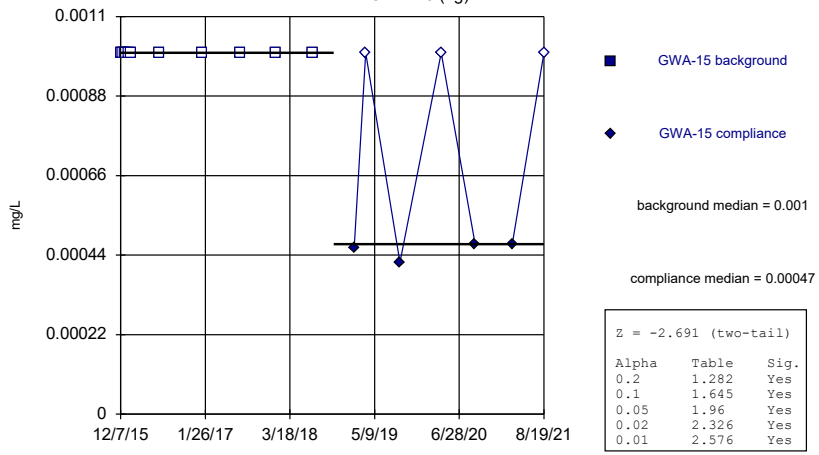
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = -2.691 (two-tail)

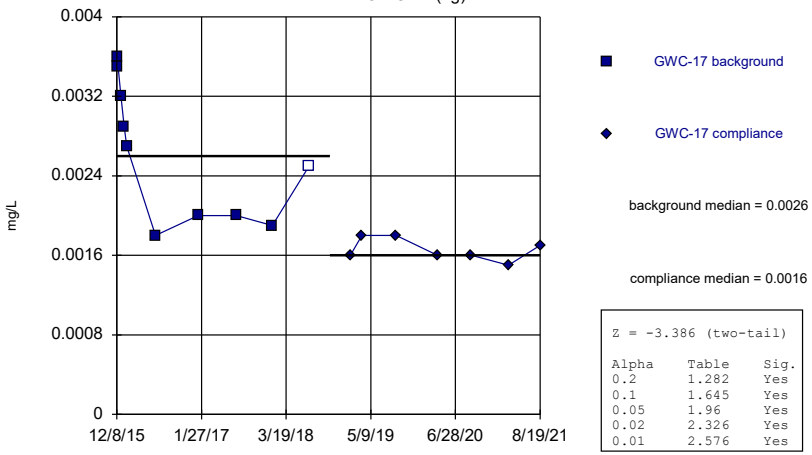
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



Z = -3.386 (two-tail)

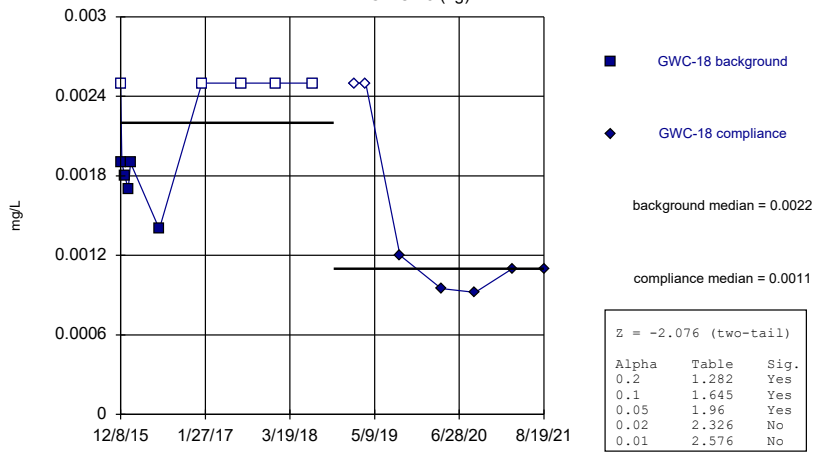
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



Z = -2.076 (two-tail)

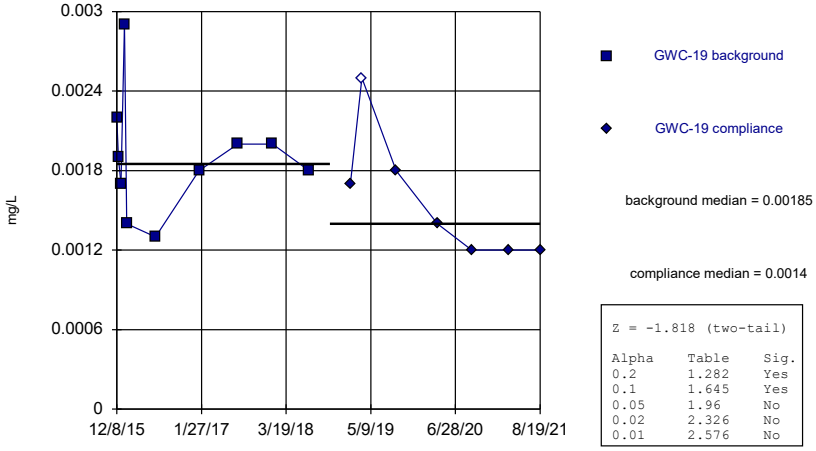
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -1.818 (two-tail)

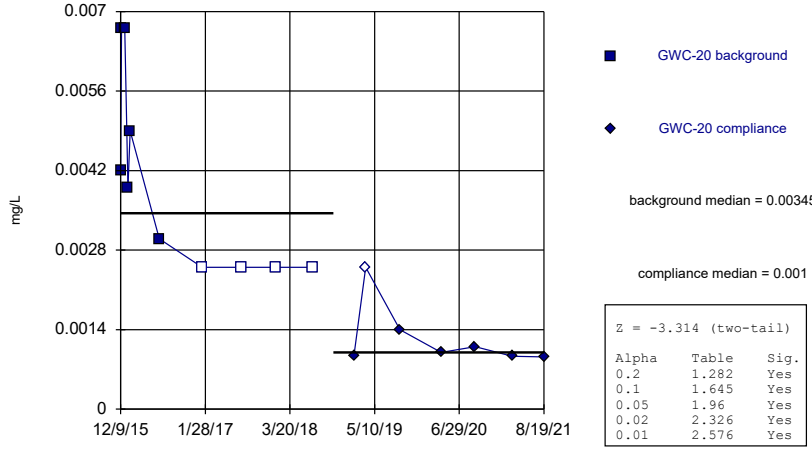
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -3.314 (two-tail)

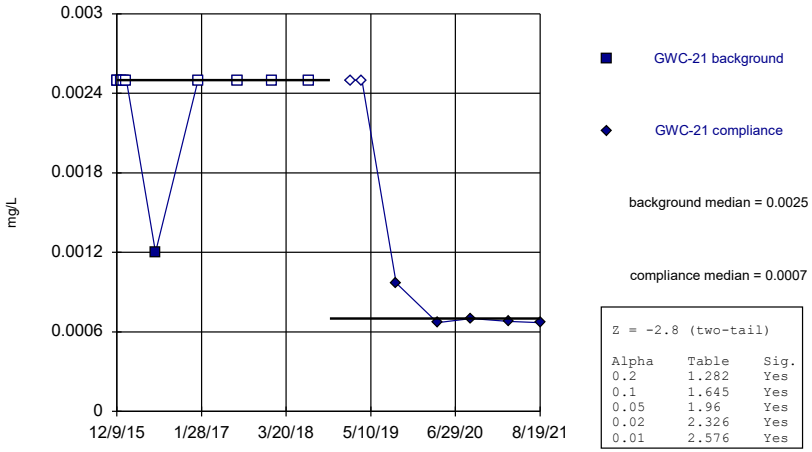
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -2.8 (two-tail)

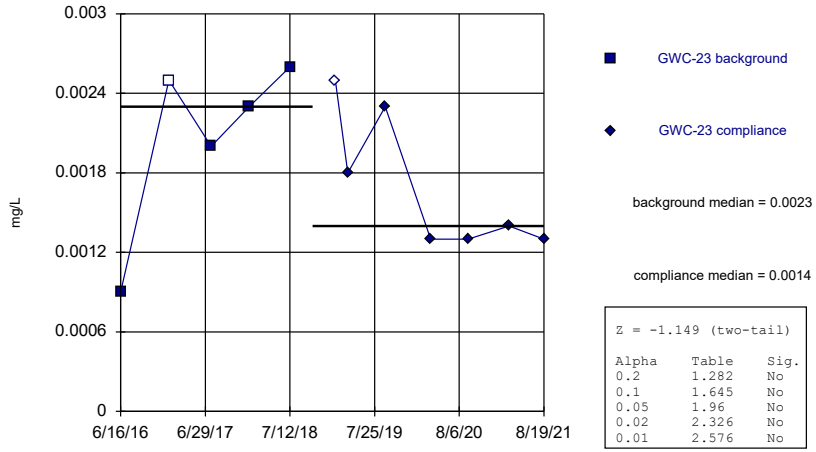
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -1.149 (two-tail)

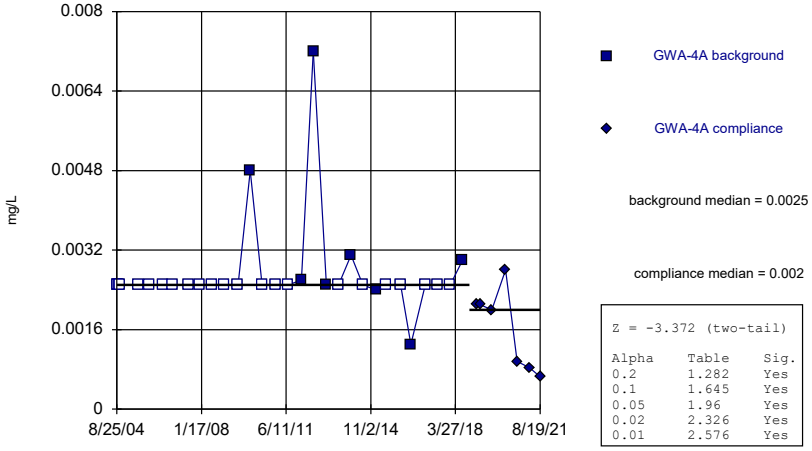
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = -3.372 (two-tail)

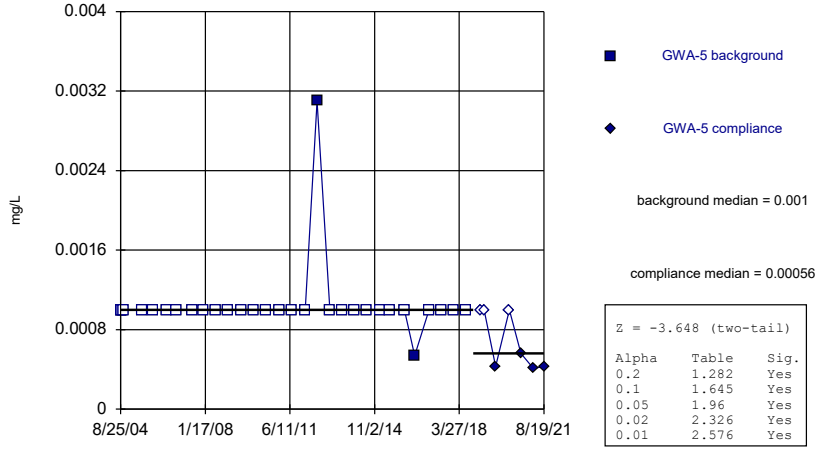
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = -3.648 (two-tail)

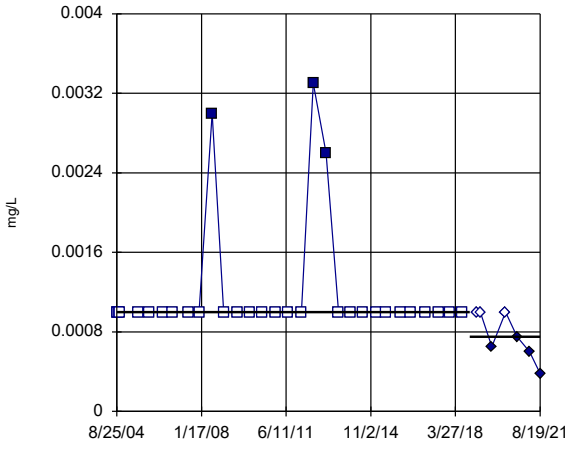
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



GWC-9 background

GWC-9 compliance

background median = 0.001

compliance median = 0.00075

Z = -3.731 (two-tail)

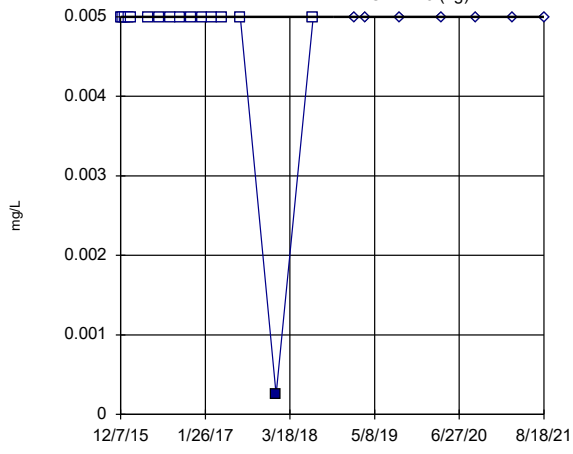
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



GWA-13 background

GWA-13 compliance

background median = 0.005

compliance median = 0.005

Z = 0.5669 (two-tail)

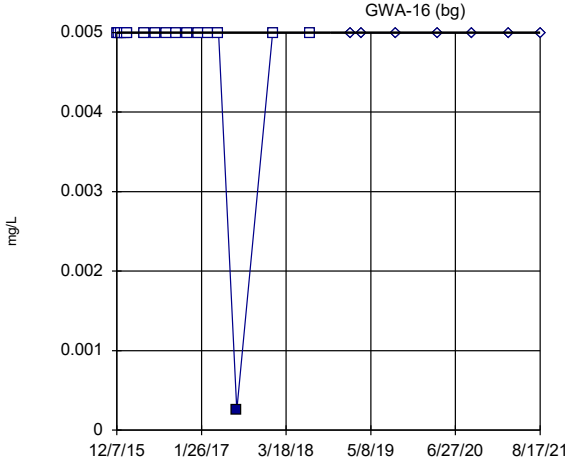
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



GWA-16 background

GWA-16 compliance

background median = 0.005

compliance median = 0.005

Z = 0.5669 (two-tail)

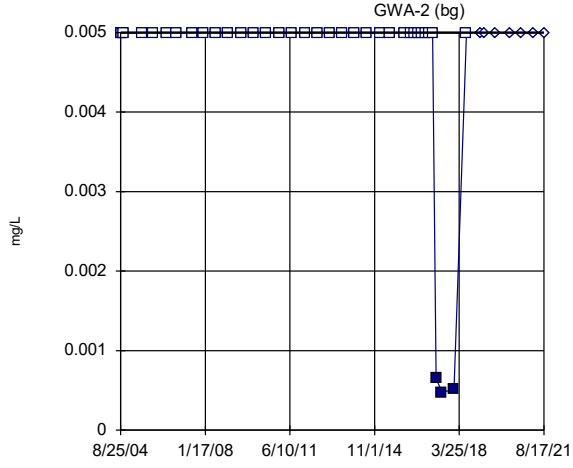
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



GWA-2 background

GWA-2 compliance

background median = 0.005

compliance median = 0.005

Z = 0.7342 (two-tail)

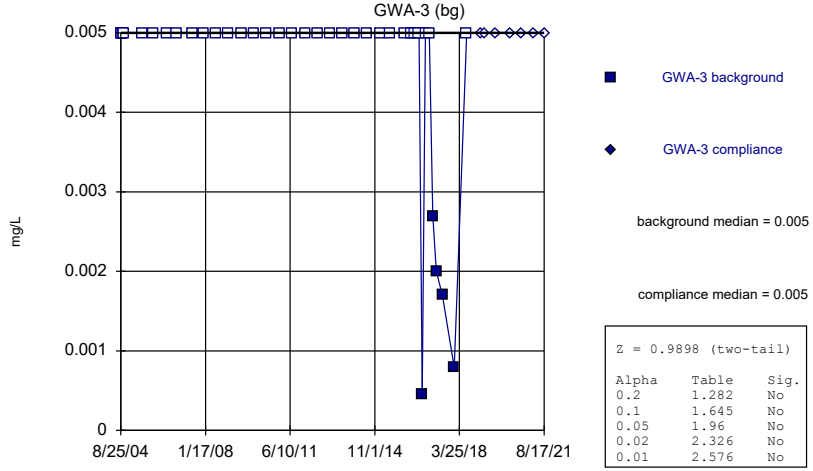
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 0.9898 (two-tail)

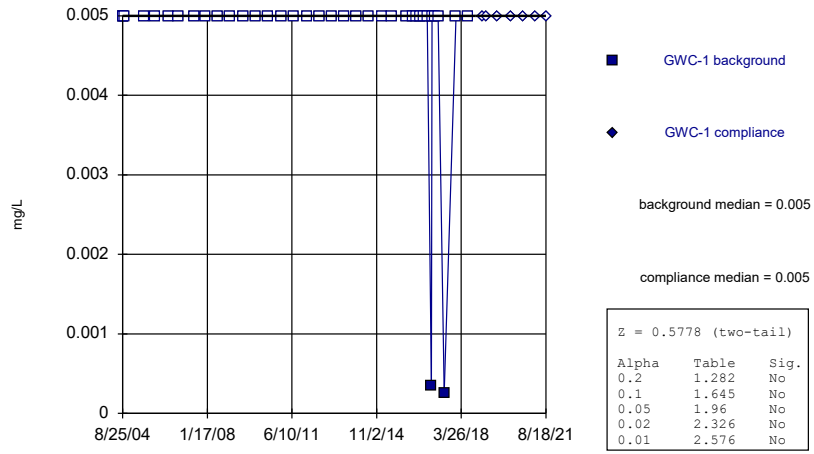
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = 0.5778 (two-tail)

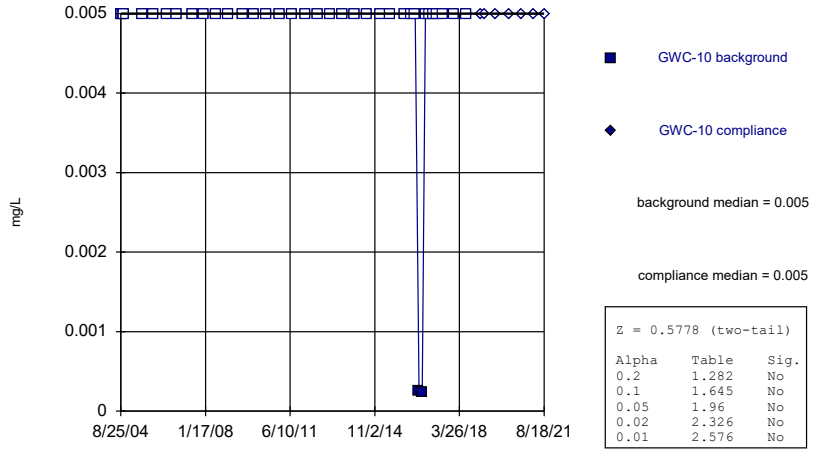
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = 0.5778 (two-tail)

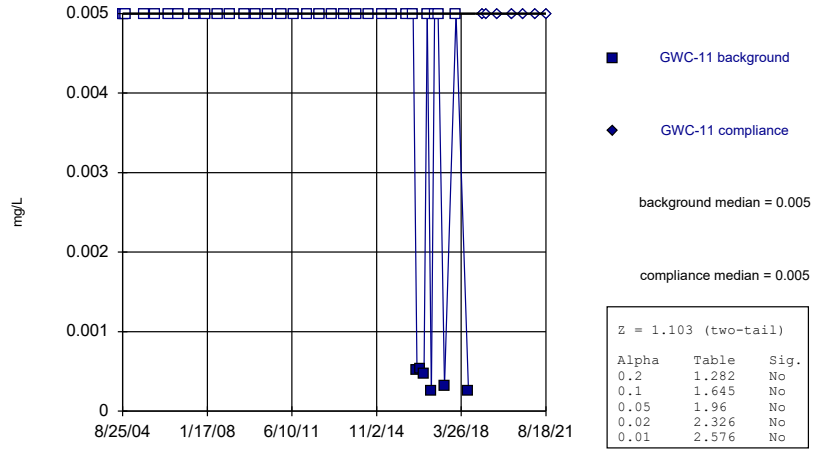
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = 1.103 (two-tail)

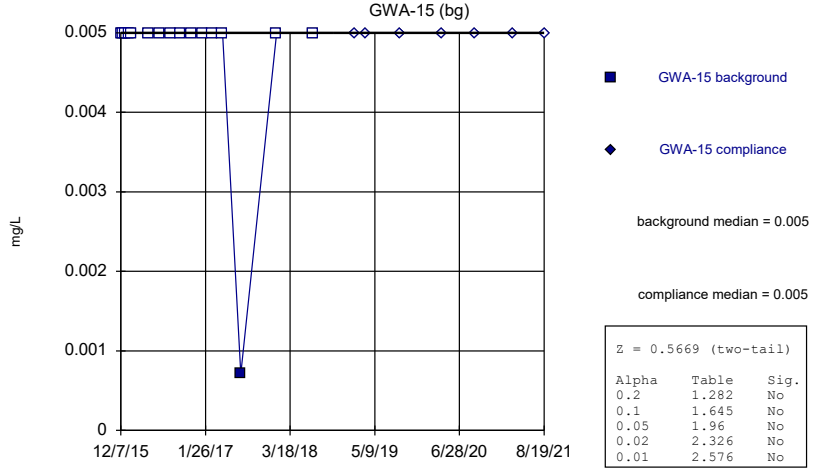
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = 0.5669 (two-tail)

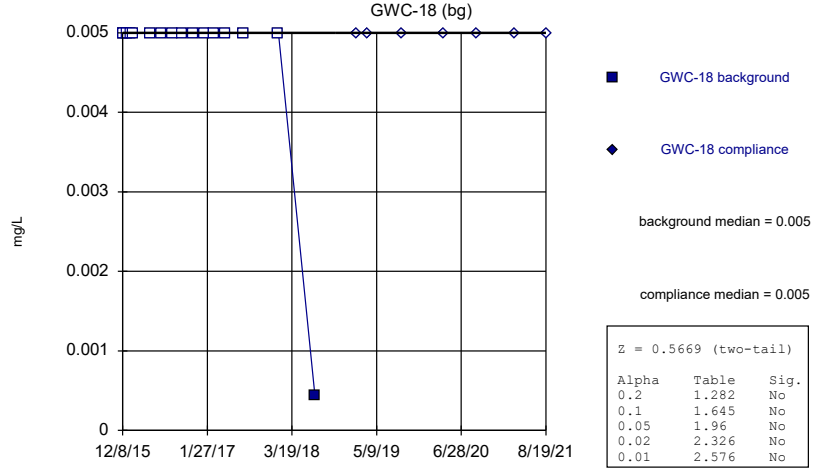
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



Z = 0.5669 (two-tail)

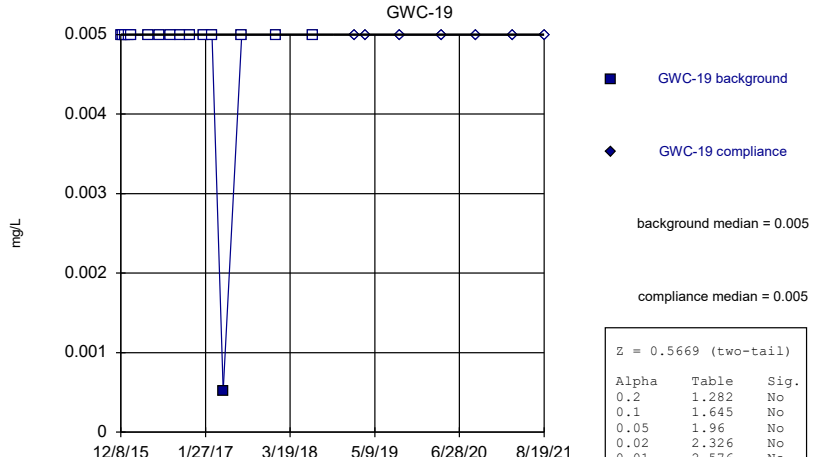
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 0.5669 (two-tail)

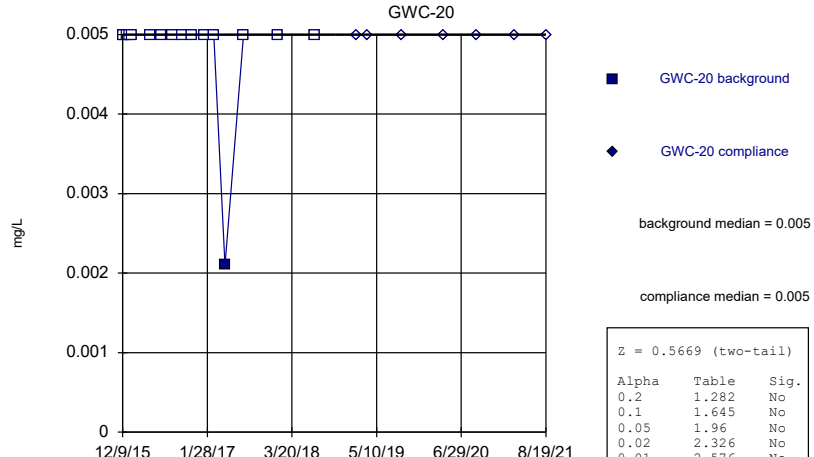
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = 0.5669 (two-tail)

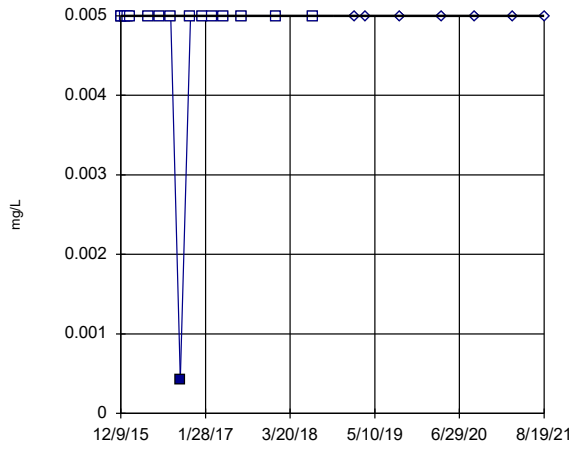
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



GWC-21 background

GWC-21 compliance

background median = 0.005

compliance median = 0.005

Z = 0.5669 (two-tail)

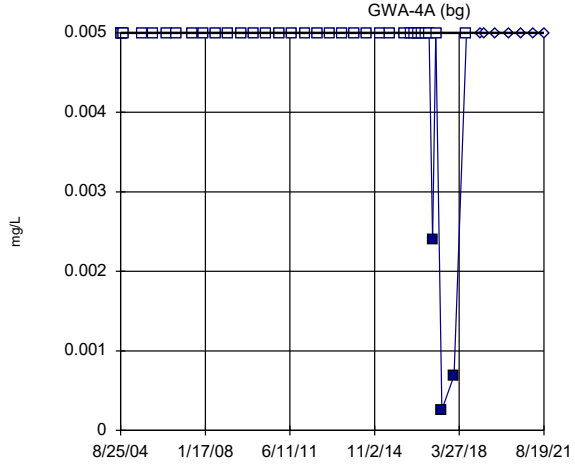
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



GWA-4A background

GWA-4A compliance

background median = 0.005

compliance median = 0.005

Z = 0.7342 (two-tail)

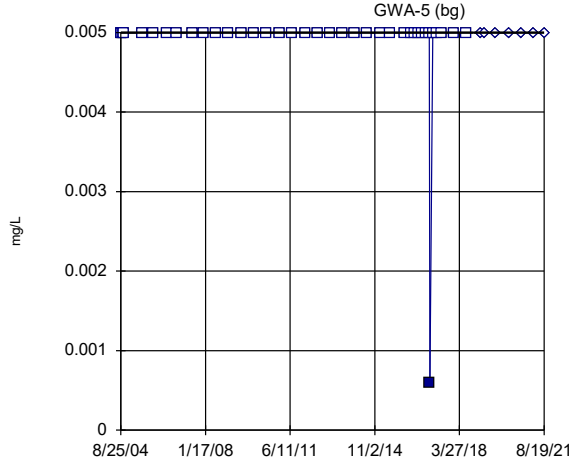
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



GWA-5 background

GWA-5 compliance

background median = 0.005

compliance median = 0.005

Z = 0.3679 (two-tail)

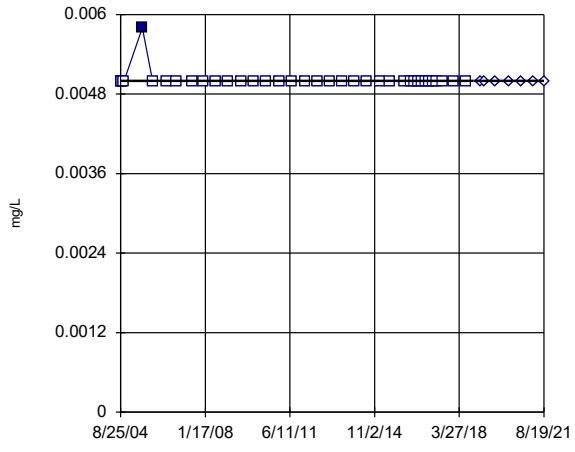
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



GWC-9 background

GWC-9 compliance

background median = 0.005

compliance median = 0.005

Z = -0.4971 (two-tail)

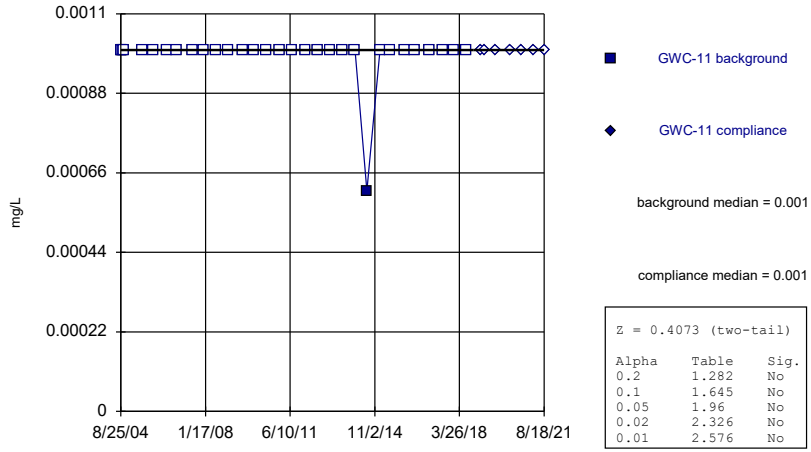
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = 0.4073 (two-tail)

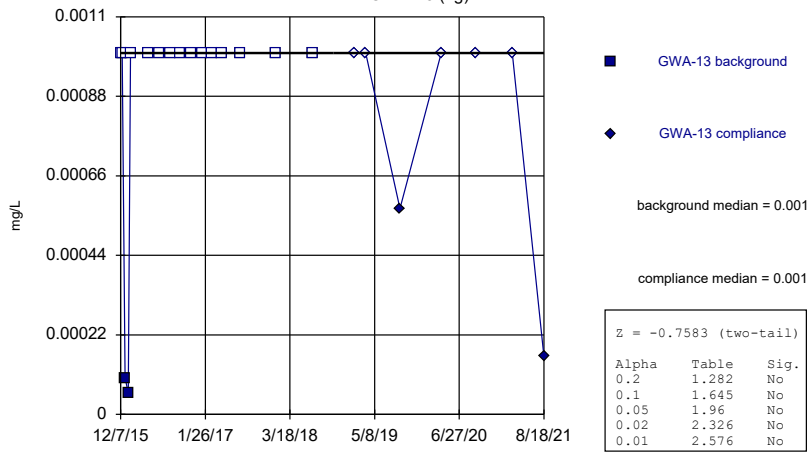
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 8/2/2022 4:34 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = -0.7583 (two-tail)

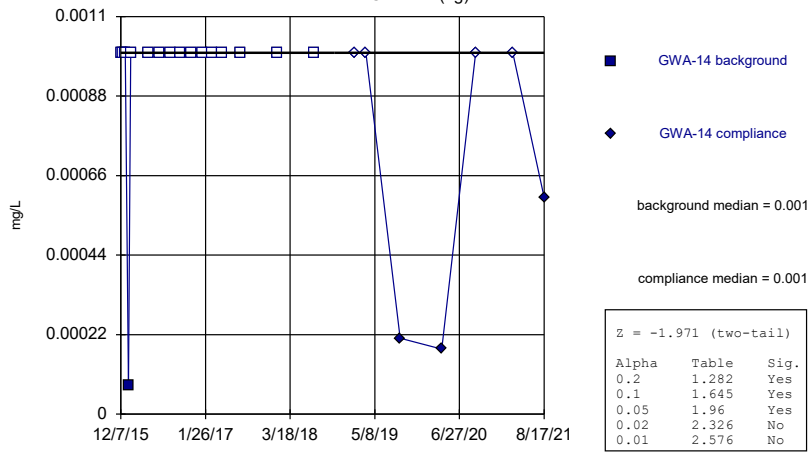
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = -1.971 (two-tail)

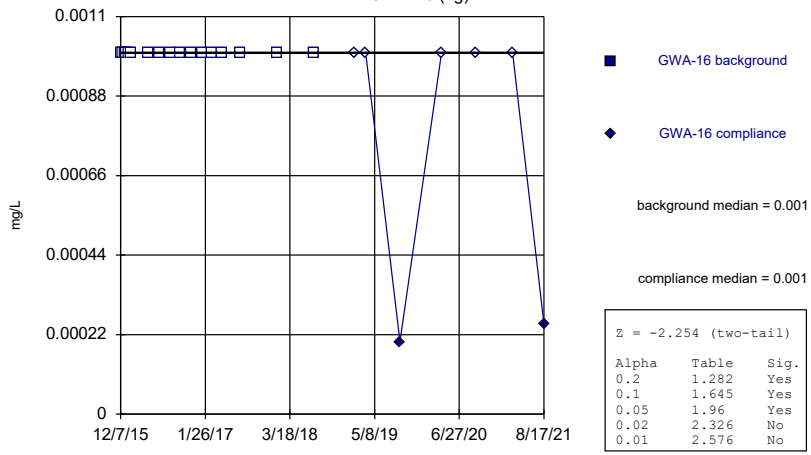
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = -2.254 (two-tail)

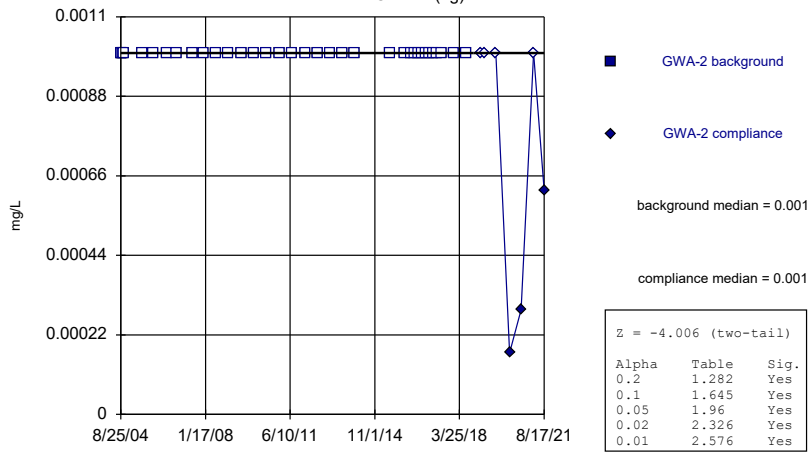
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -4.006 (two-tail)

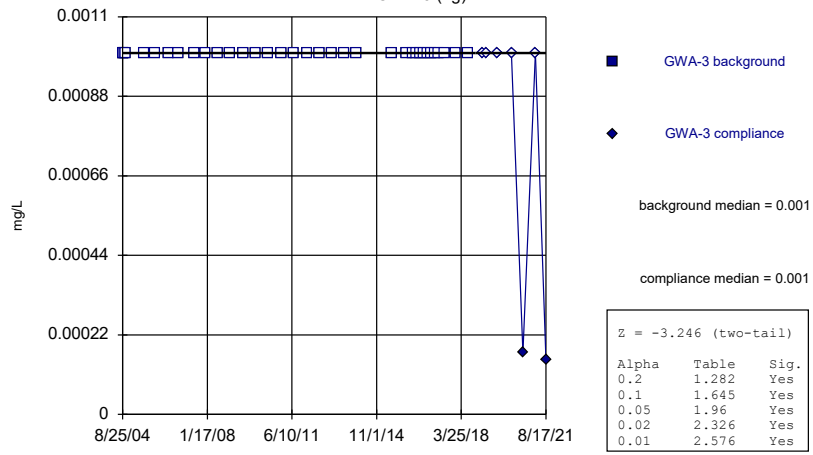
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = -3.246 (two-tail)

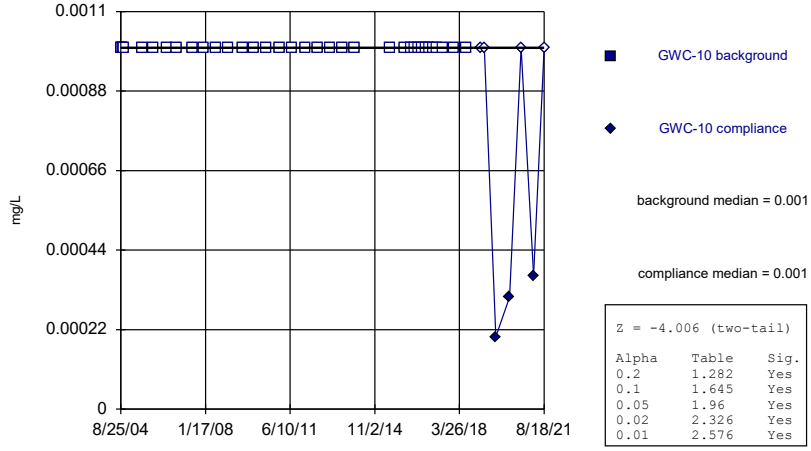
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -4.006 (two-tail)

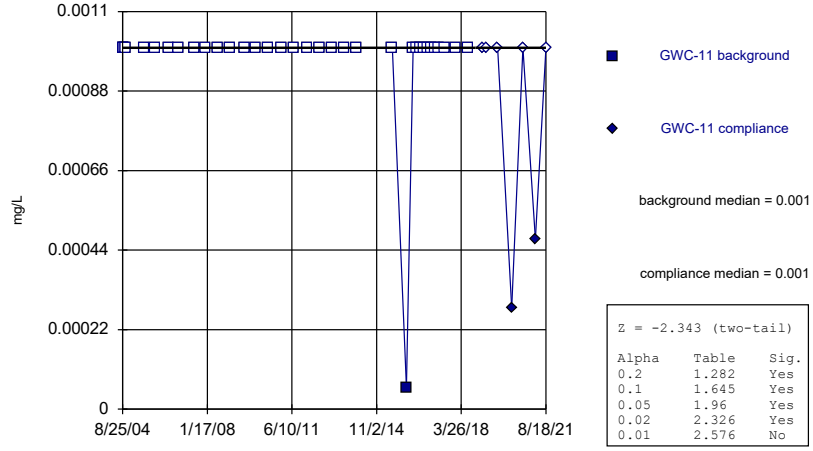
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -2.343 (two-tail)

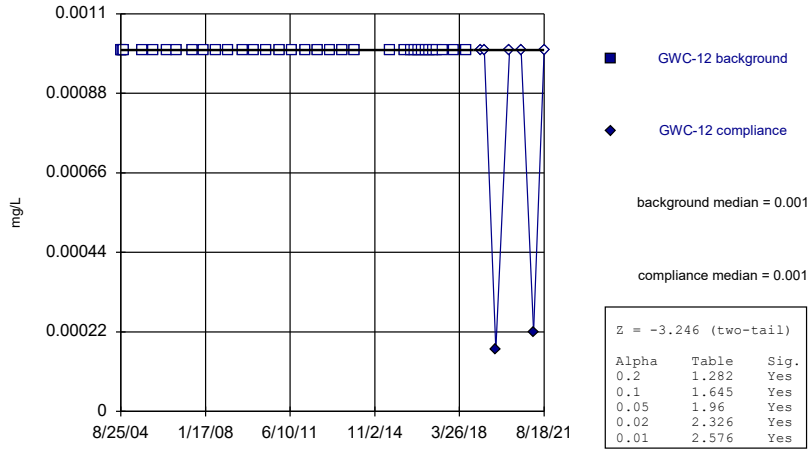
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -3.246 (two-tail)

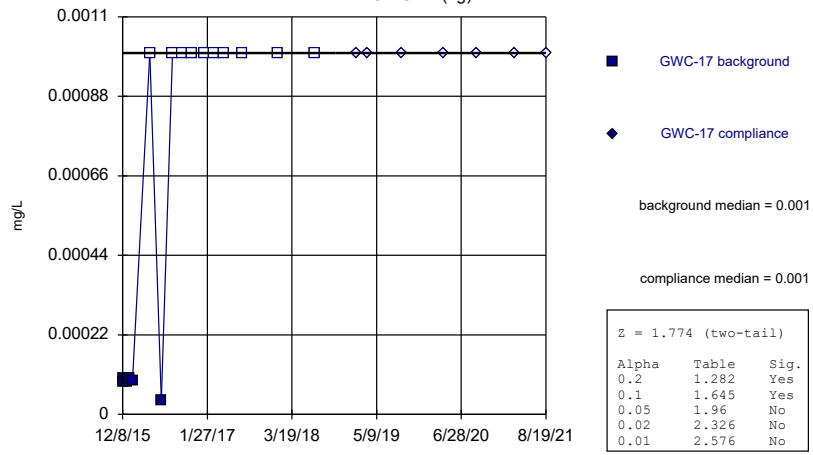
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



Z = 1.774 (two-tail)

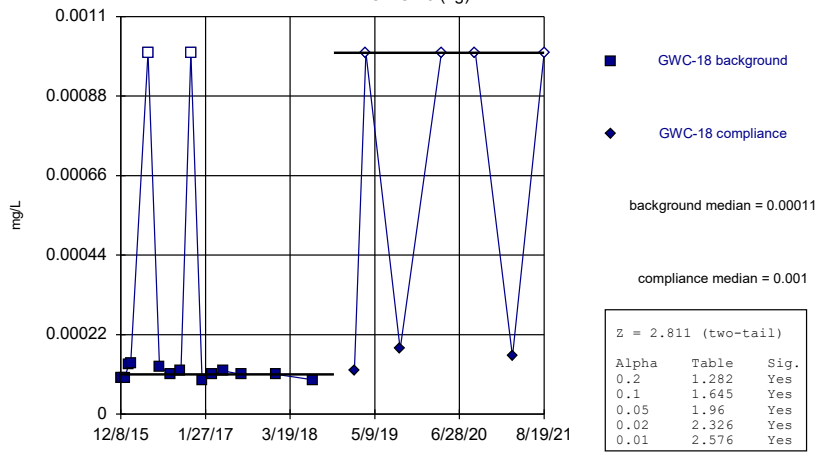
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



Z = 2.811 (two-tail)

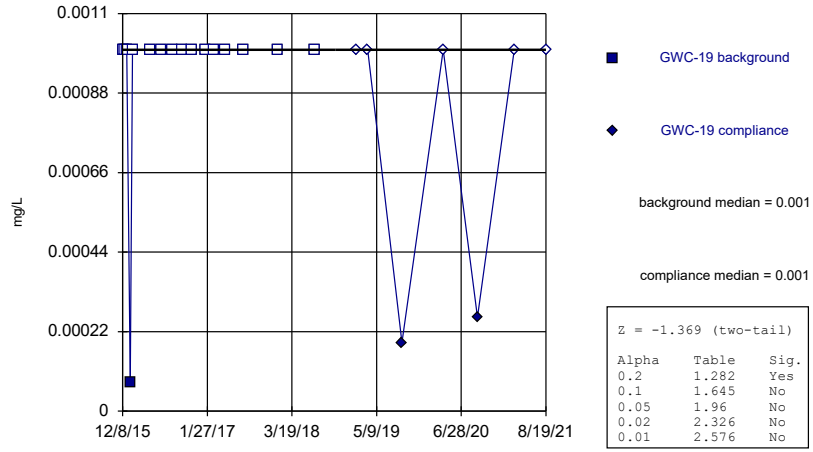
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -1.369 (two-tail)

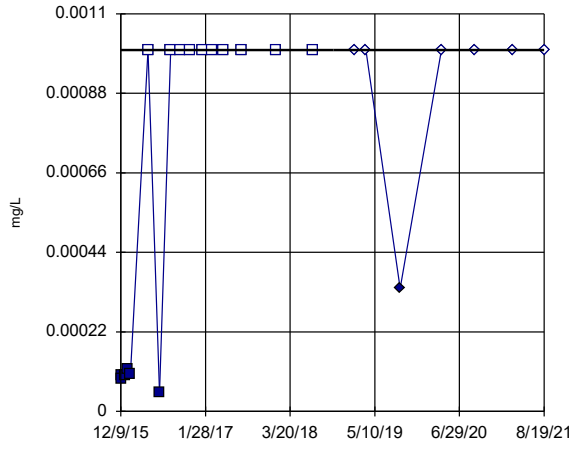
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



GWC-20 background

GWC-20 compliance

background median = 0.001

compliance median = 0.001

Z = 1.271 (two-tail)

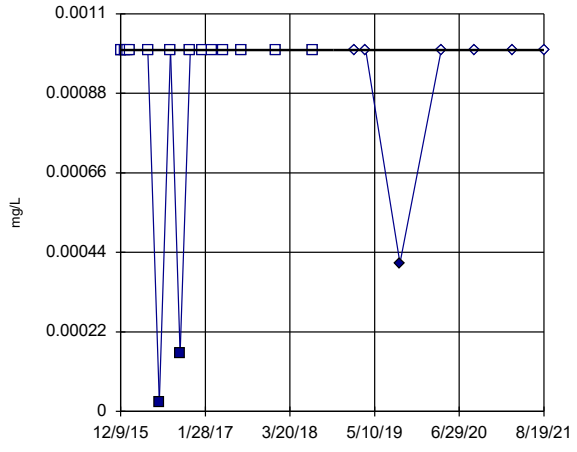
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



GWC-21 background

GWC-21 compliance

background median = 0.001

compliance median = 0.001

Z = -0.05705 (two-tail)

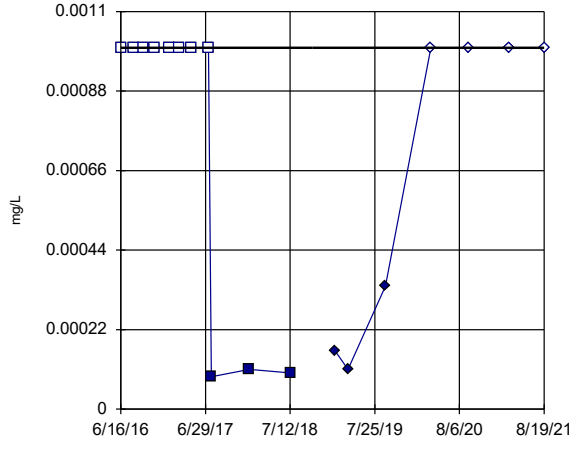
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



GWC-23 background

GWC-23 compliance

background median = 0.001

compliance median = 0.001

Z = -0.2699 (two-tail)

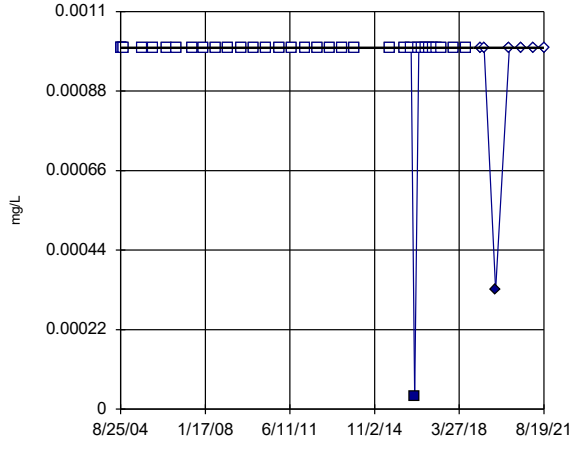
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



GWA-4A background

GWA-4A compliance

background median = 0.001

compliance median = 0.001

Z = -1.28 (two-tail)

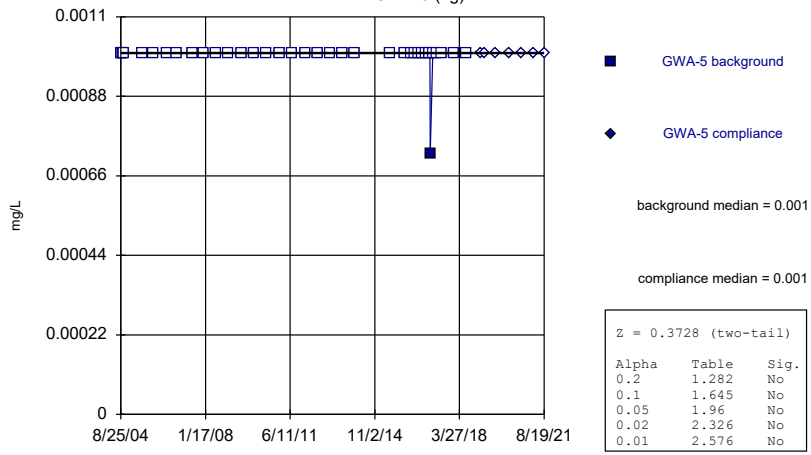
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = 0.3728 (two-tail)

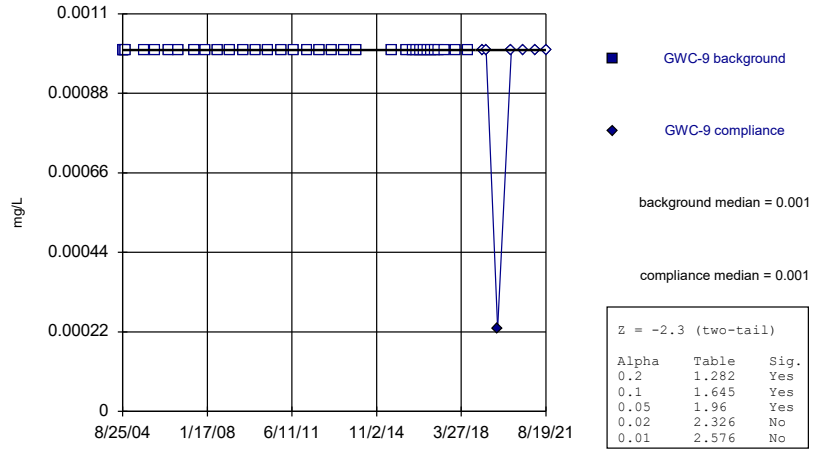
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -2.3 (two-tail)

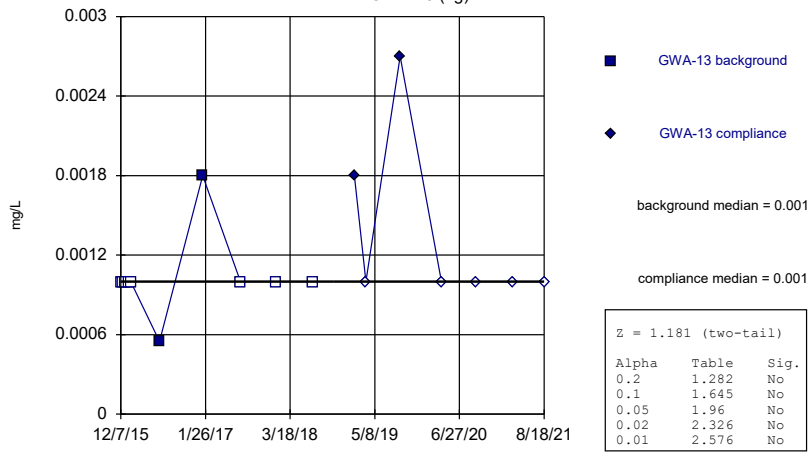
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = 1.181 (two-tail)

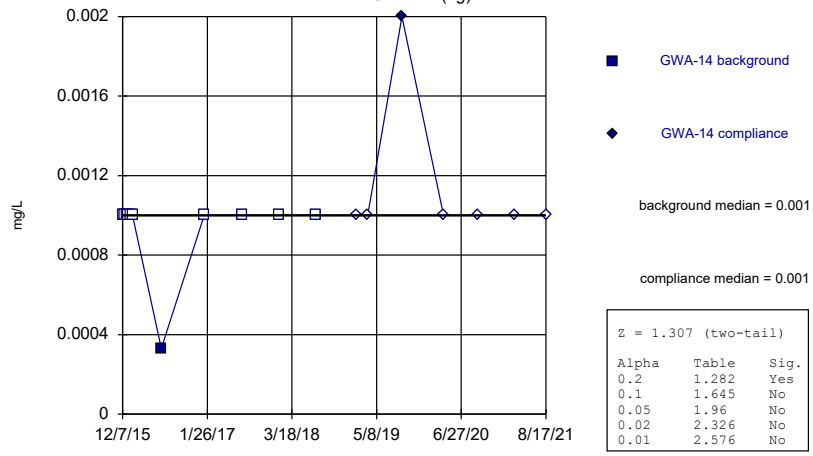
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = 1.307 (two-tail)

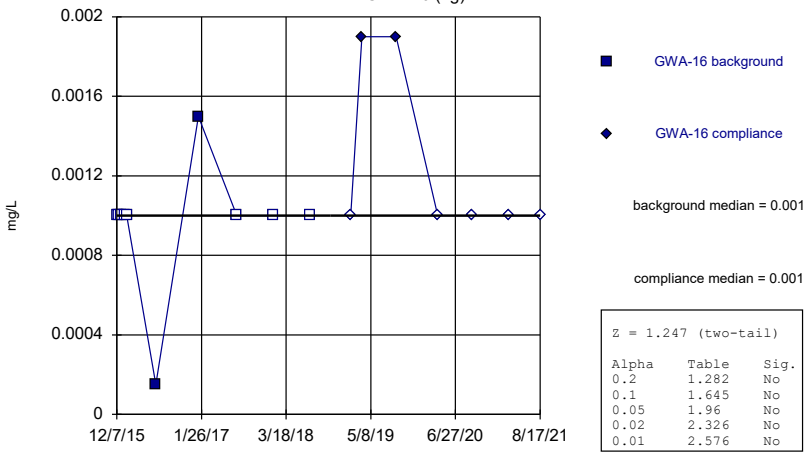
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = 1.247 (two-tail)

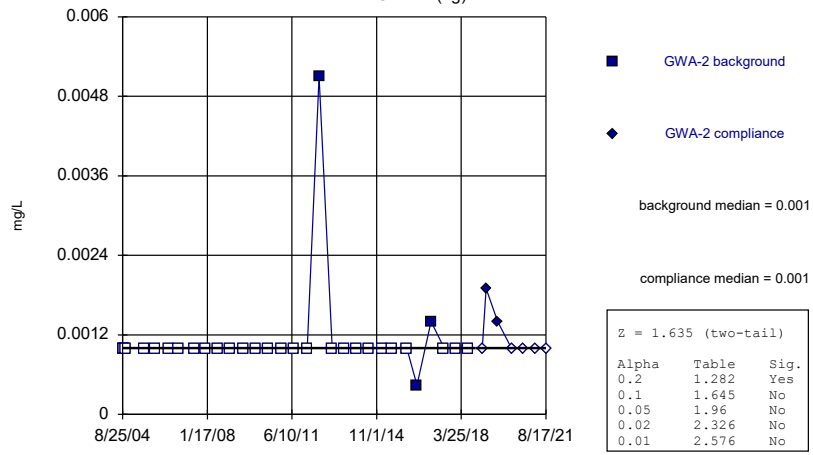
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = 1.635 (two-tail)

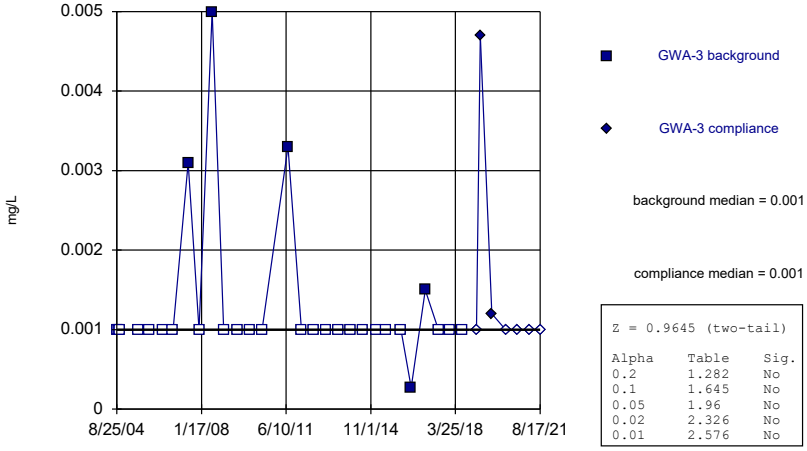
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 0.9645 (two-tail)

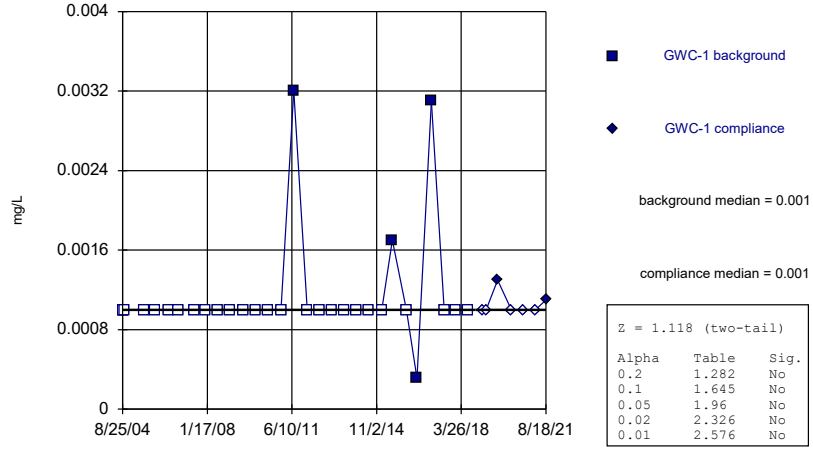
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = 1.118 (two-tail)

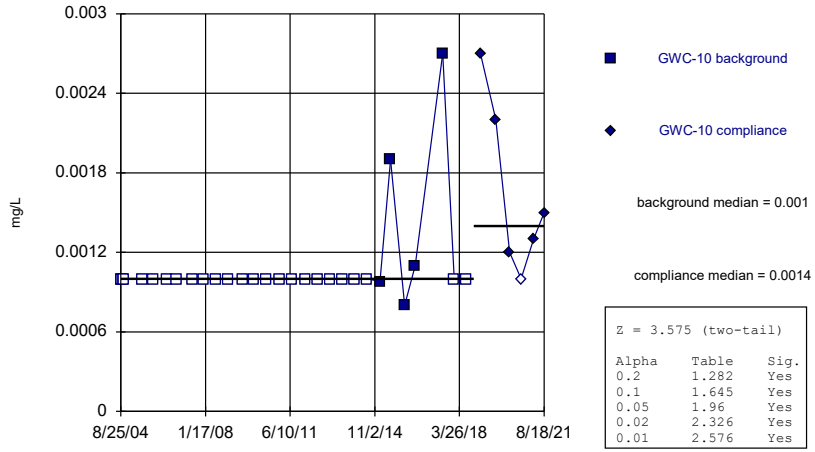
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = 3.575 (two-tail)

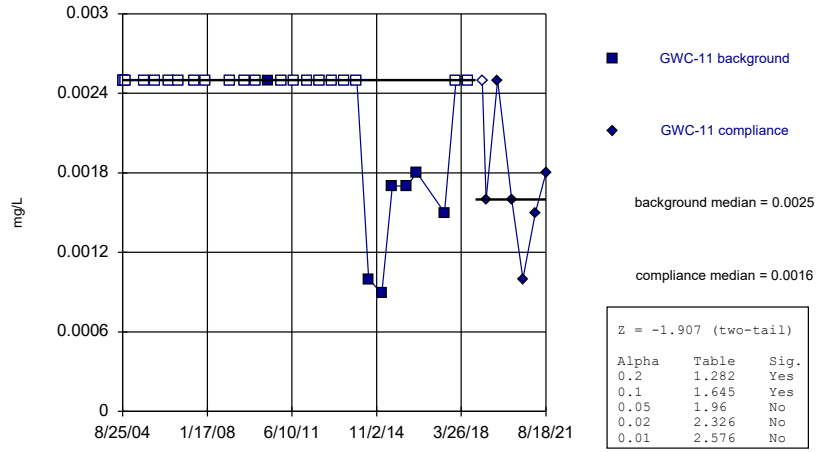
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -1.907 (two-tail)

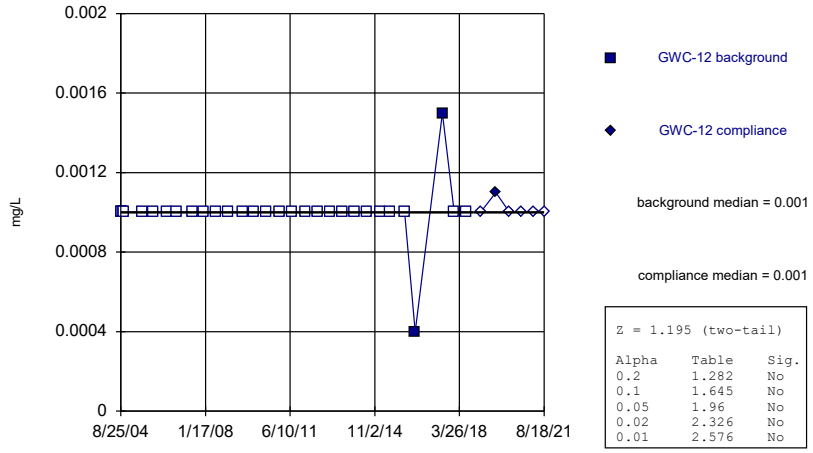
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 1.195 (two-tail)

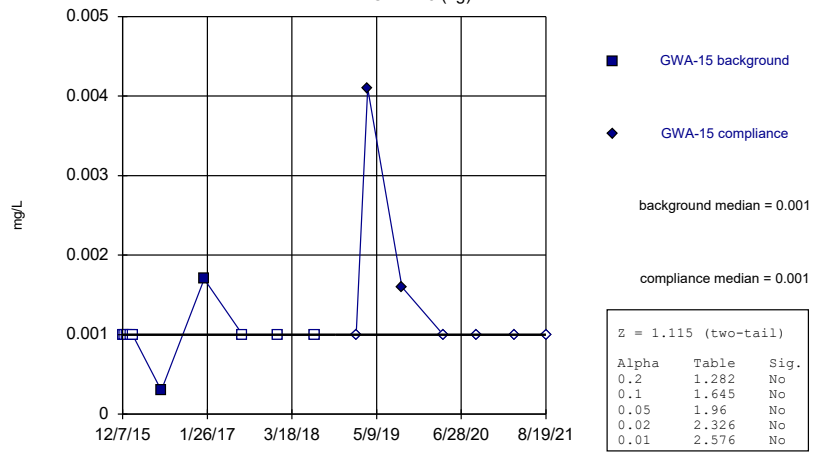
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = 1.115 (two-tail)

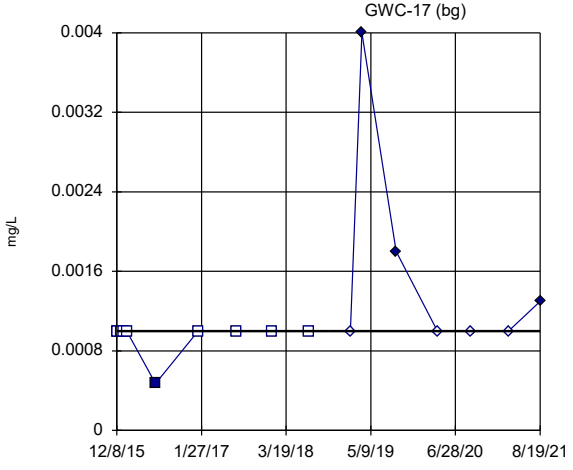
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



GWC-17 background

GWC-17 compliance

background median = 0.001

compliance median = 0.001

Z = 2.164 (two-tail)

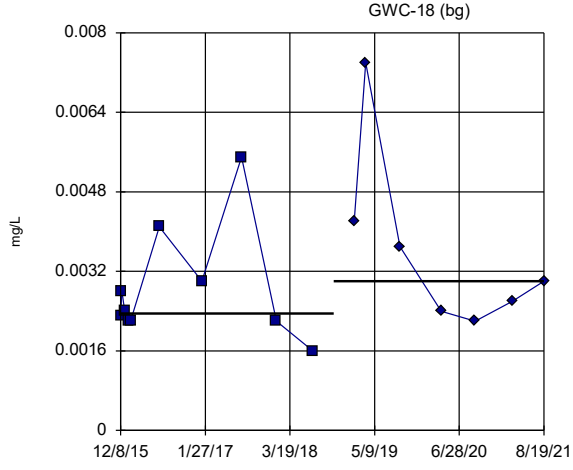
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



GWC-18 background

GWC-18 compliance

background median = 0.00235

compliance median = 0.003

Z = 1.278 (two-tail)

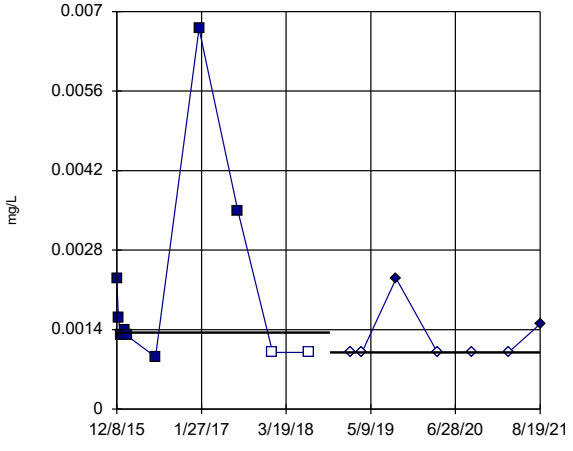
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



GWC-19 background

GWC-19 compliance

background median = 0.00135

compliance median = 0.001

Z = -1.215 (two-tail)

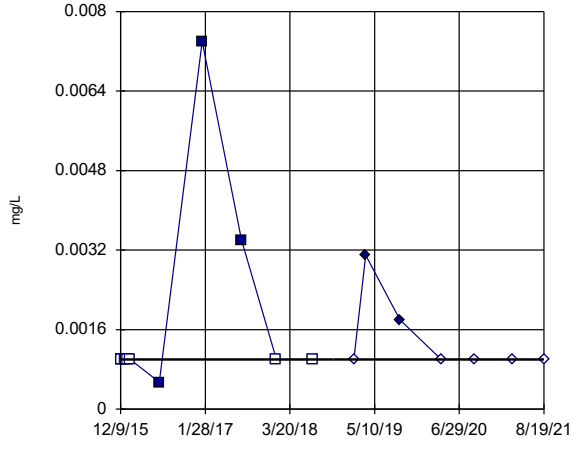
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



GWC-20 background

GWC-20 compliance

background median = 0.001

compliance median = 0.001

Z = 0.3633 (two-tail)

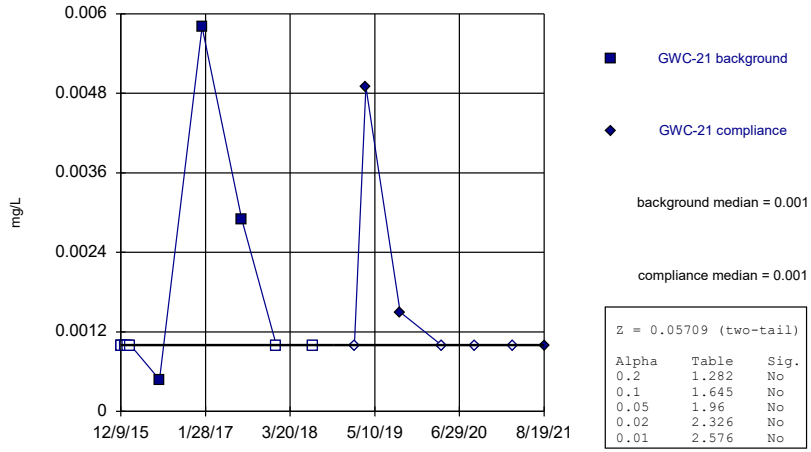
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.05709 (two-tail)

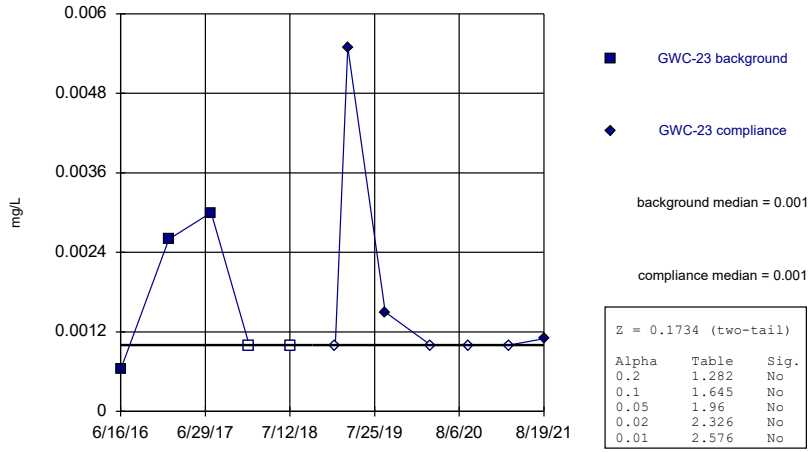
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = 0.1734 (two-tail)

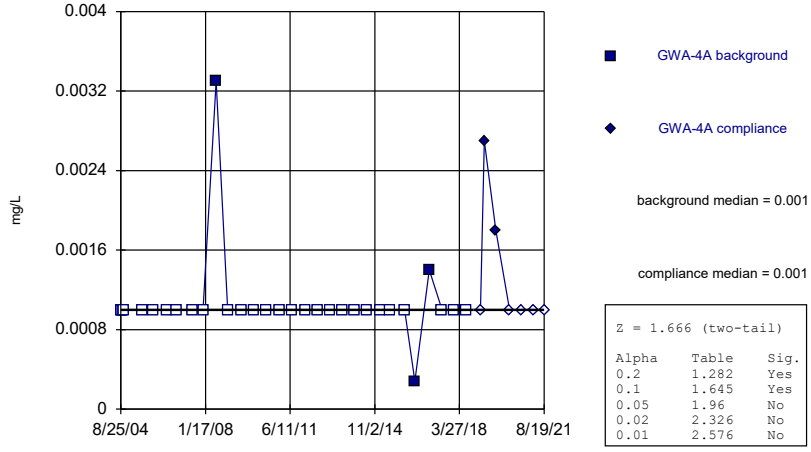
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = 1.666 (two-tail)

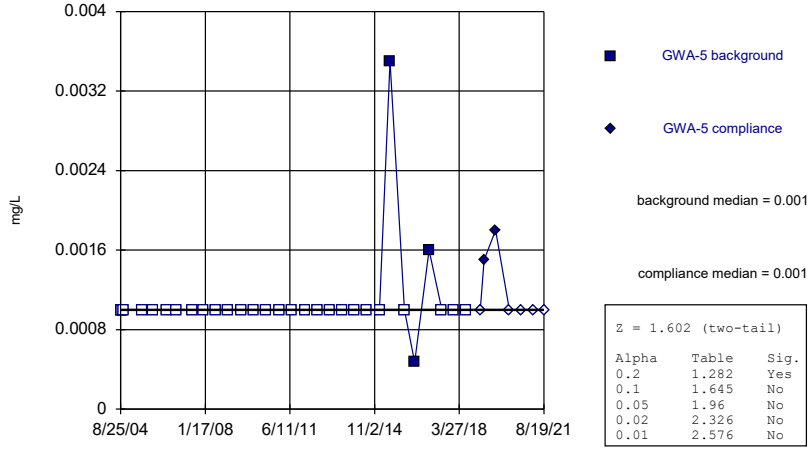
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = 1.602 (two-tail)

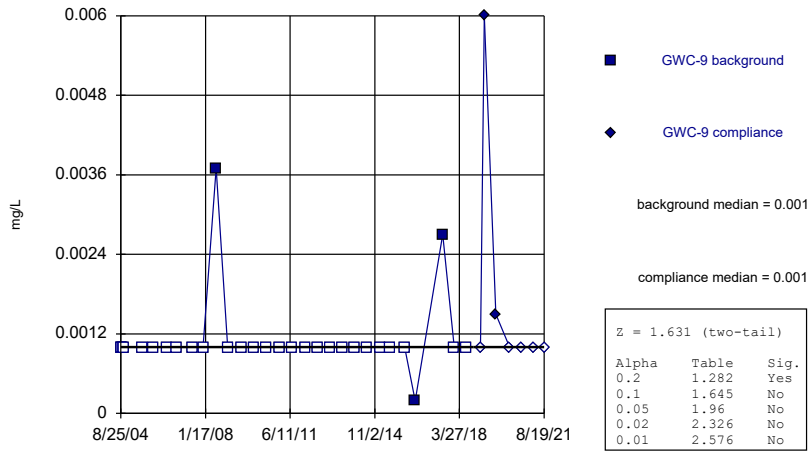
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9

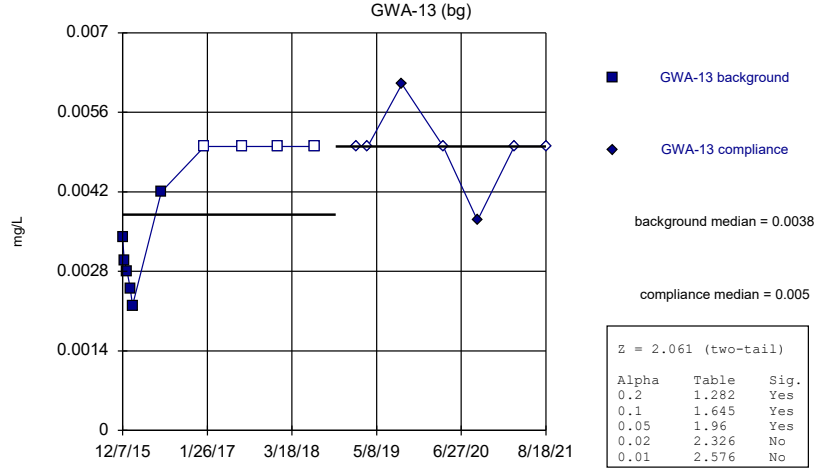


Constituent: Vanadium Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)

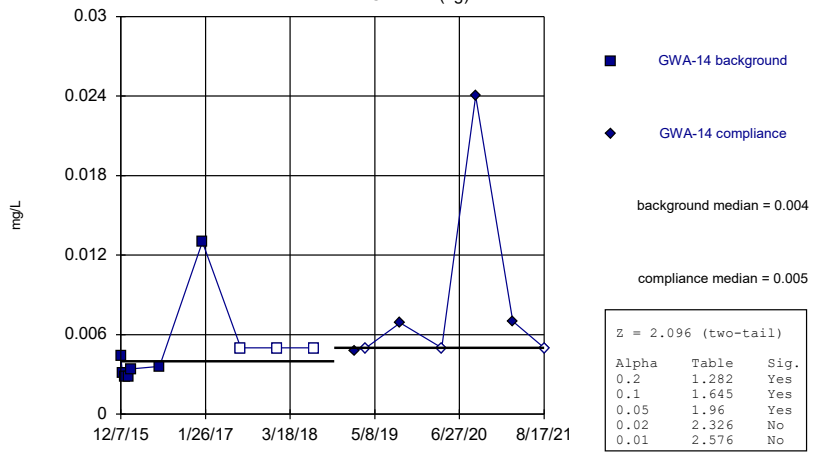


Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)

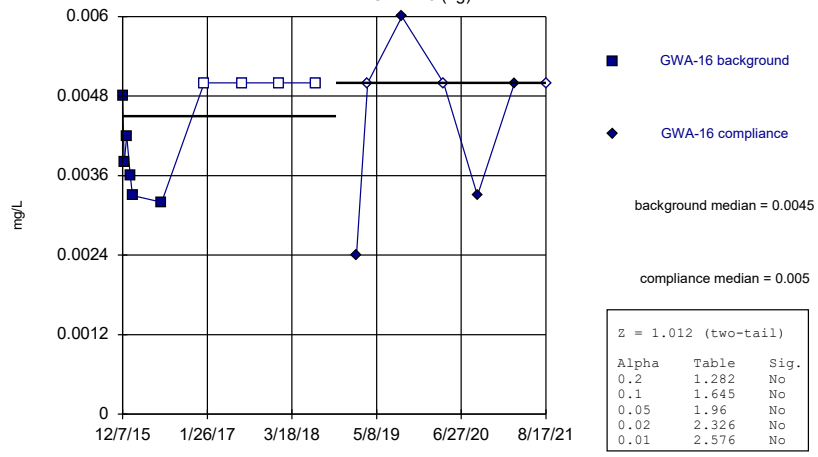


Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)

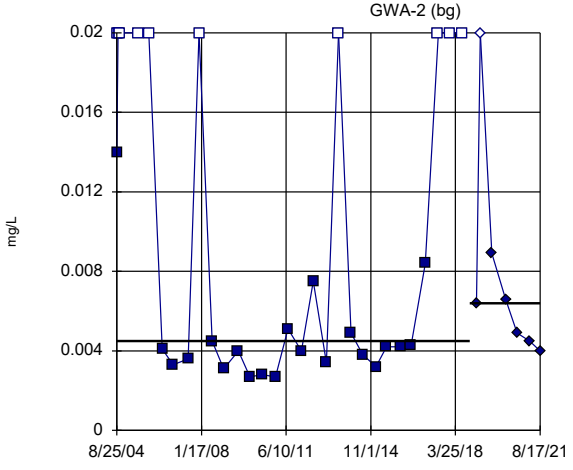


Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



GWA-2 background

GWA-2 compliance

background median = 0.0045

compliance median = 0.0064

Z = 0.572 (two-tail)

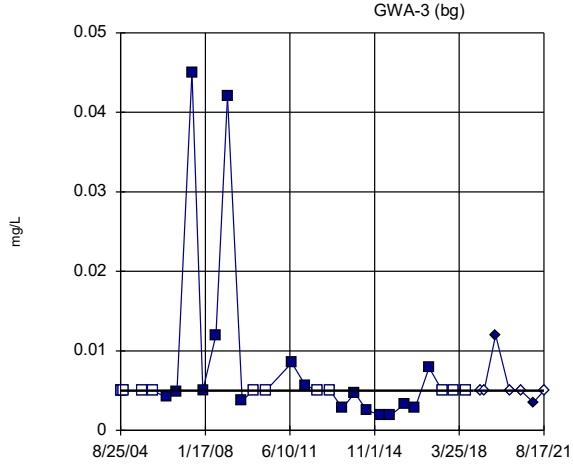
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



GWA-3 background

GWA-3 compliance

background median = 0.005

compliance median = 0.005

Z = 0.4328 (two-tail)

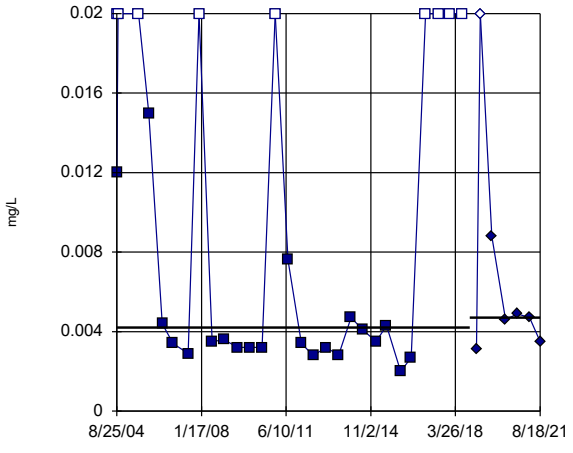
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



GWC-1 background

GWC-1 compliance

background median = 0.0042

compliance median = 0.0047

Z = 0.3332 (two-tail)

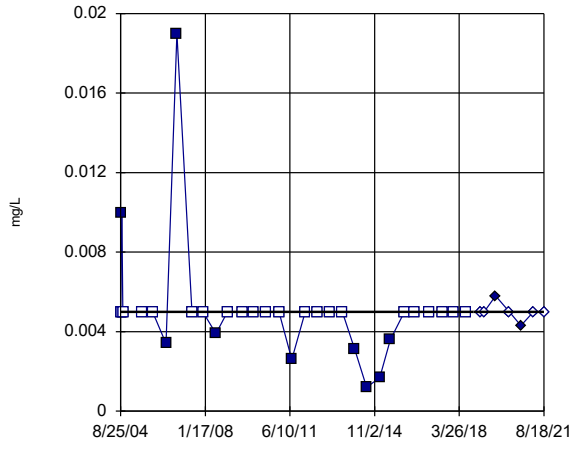
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



GWC-10 background

GWC-10 compliance

background median = 0.005

compliance median = 0.005

Z = 0.7992 (two-tail)

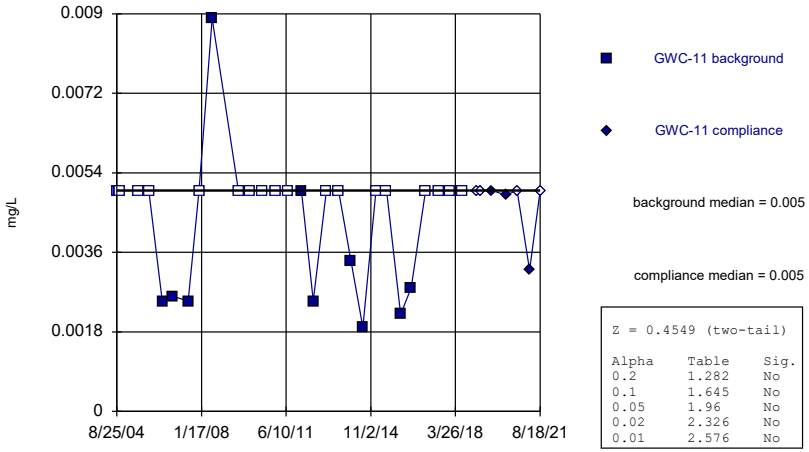
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = 0.4549 (two-tail)

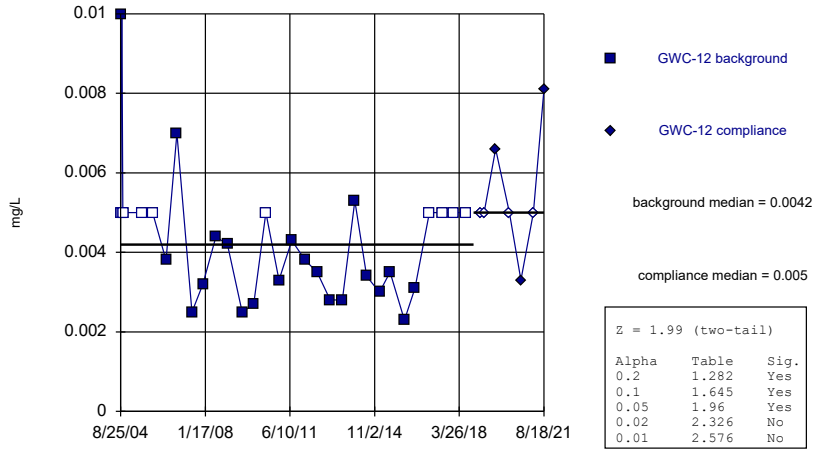
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 1.99 (two-tail)

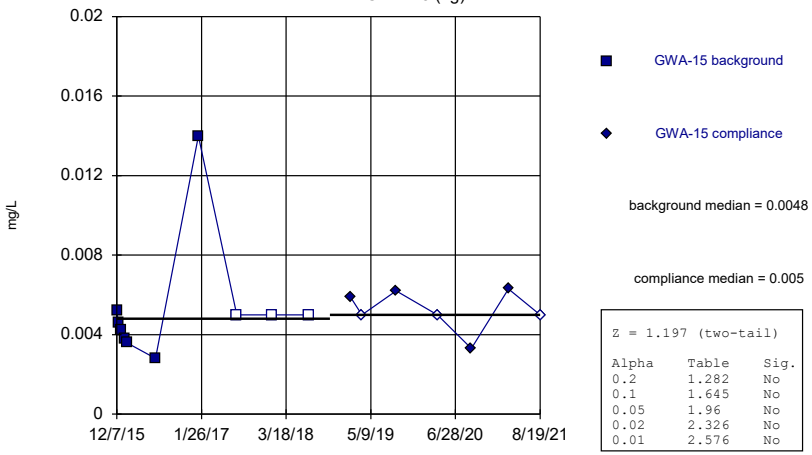
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



Z = 1.197 (two-tail)

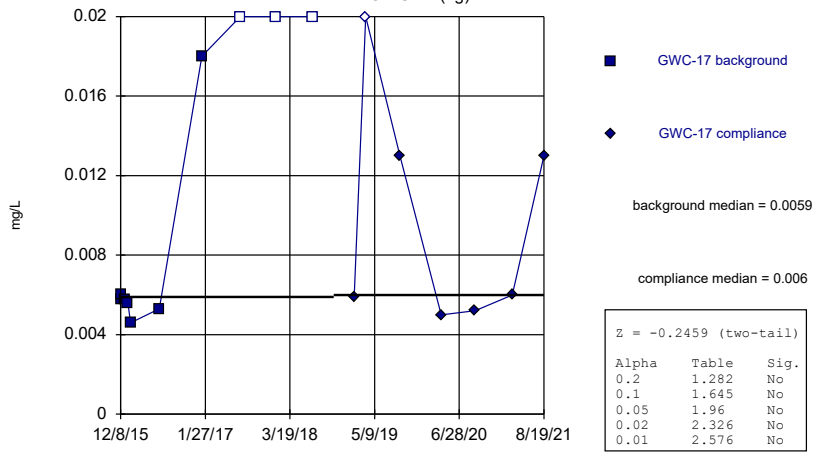
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



Z = -0.2459 (two-tail)

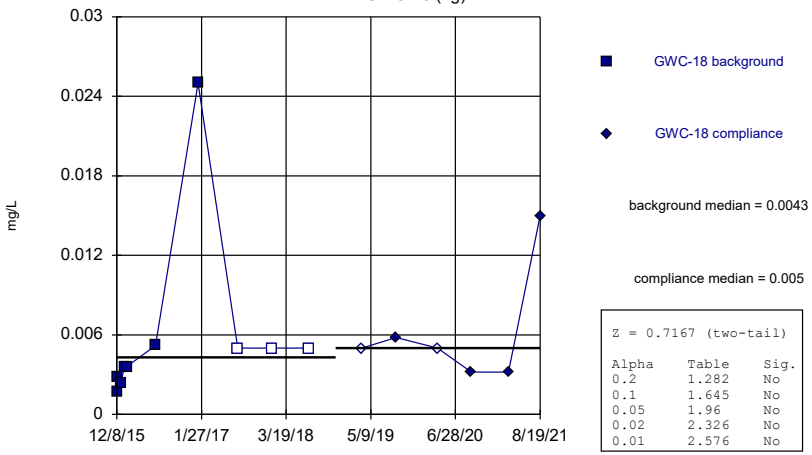
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



Z = 0.7167 (two-tail)

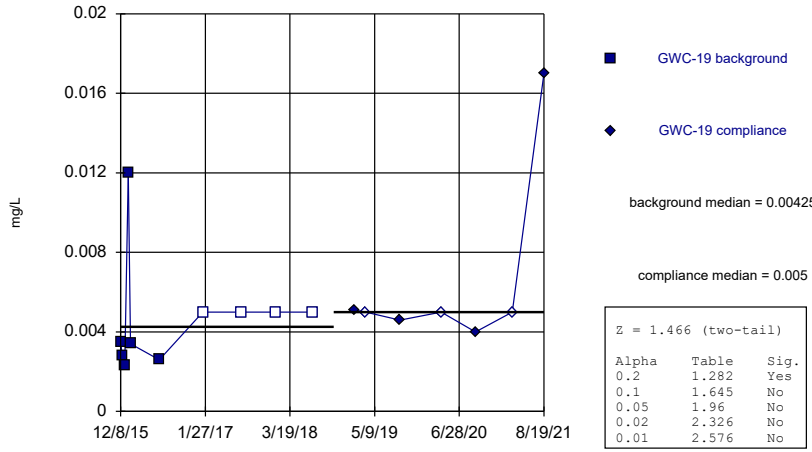
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 1.466 (two-tail)

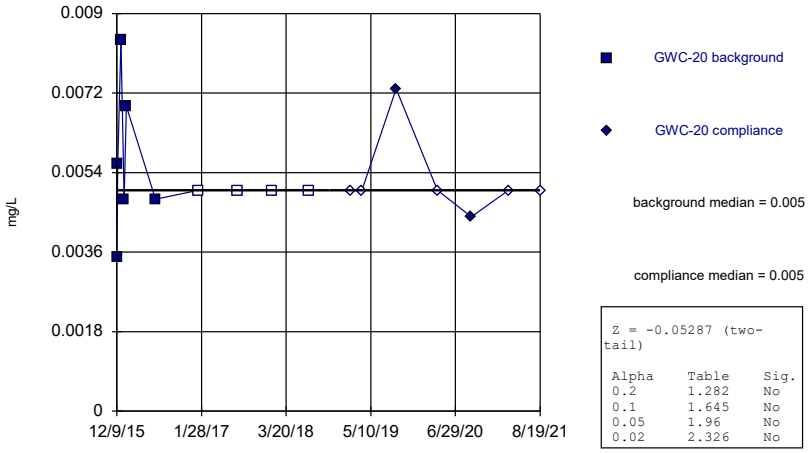
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -0.05287 (two-tail)

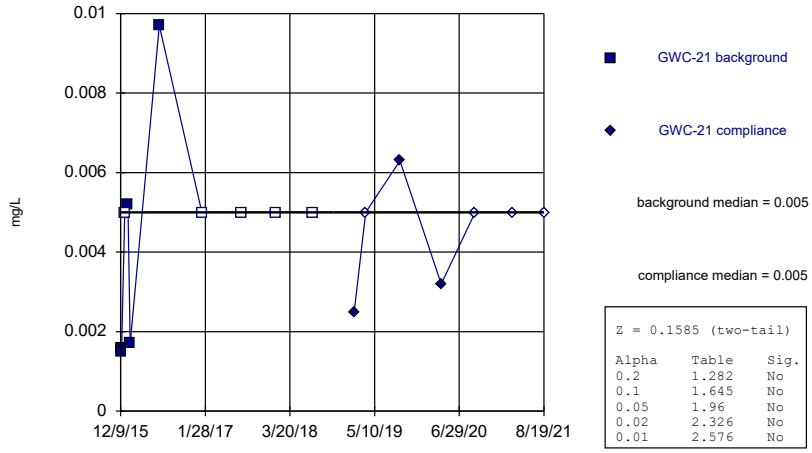
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.1585 (two-tail)

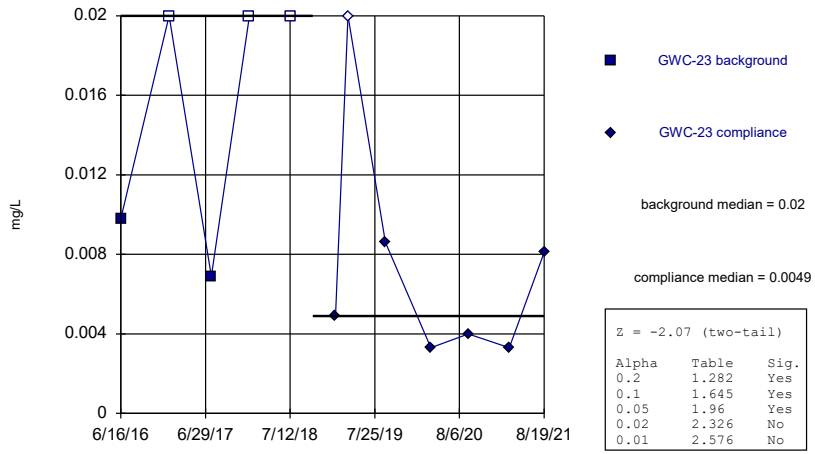
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -2.07 (two-tail)

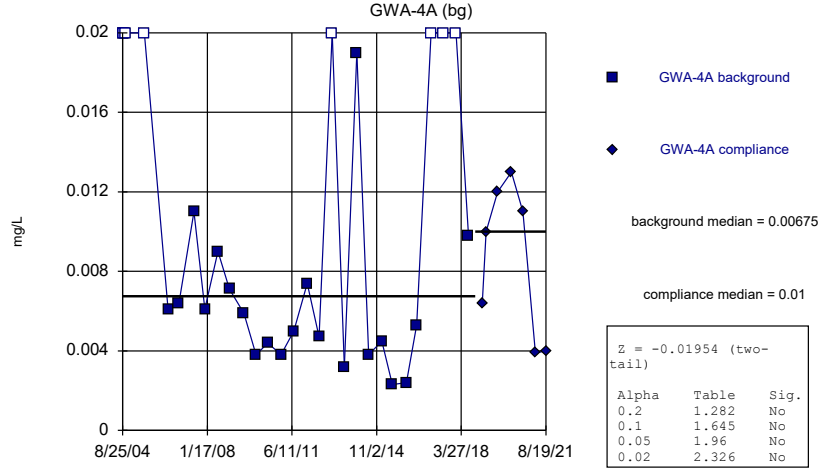
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



Z = -0.01954 (two-tail)

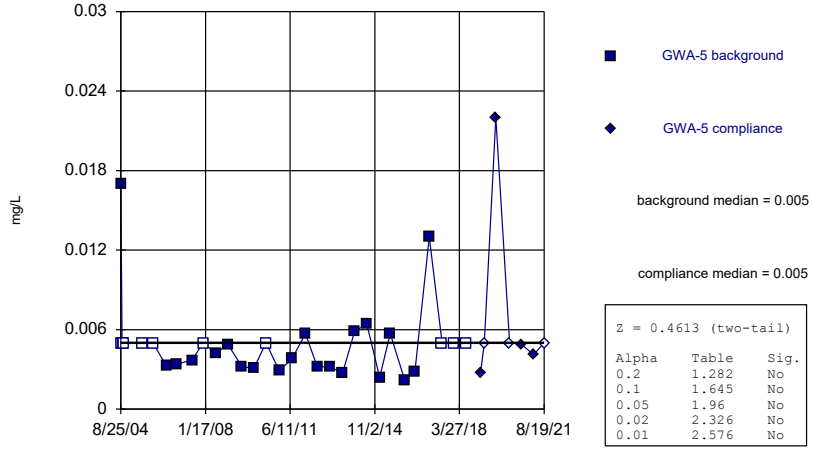
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



Z = 0.4613 (two-tail)

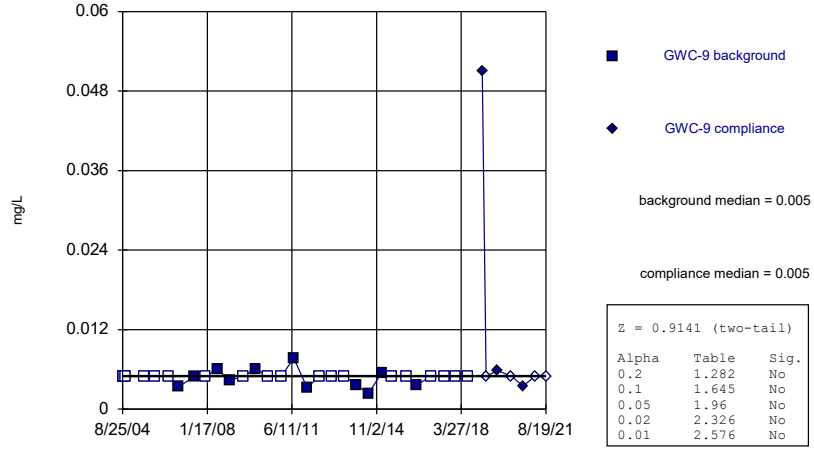
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = 0.9141 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 8/2/2022 4:35 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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
3/26/2019		<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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	<0.001	
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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Barium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney
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	<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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	0.0006 (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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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 (o)	
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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	0.0013	
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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	<0.002	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Copper (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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
3/26/2019		<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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	
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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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
3/26/2019		<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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Lead (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	0.0043	
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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	0.0013 (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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	<0.005	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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	0.0058	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Silver (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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
3/26/2019		<0.001
9/10/2019		0.0002 (J)
4/1/2020		<0.001
9/15/2020		<0.001
3/16/2021		<0.001
8/17/2021		0.00025 (J)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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 (o)	
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 (o)	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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 (o)	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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 (o)	
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 (o)	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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 (o)	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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 (o)	
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 4:39 PM View: Appendix I Mann-Whitney

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 III Welch's t-test/Mann-Whitney - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:43 PM

Constituent	Well	Calc.	0.01	Method
Sulfate (mg/L)	**GWC-18 (bg)**	**-2.822**	**Yes**	**Mann-W**
Sulfate (mg/L)	**GWC-23**	**-2.731**	**Yes**	**Mann-W**

Appendix III Welch's t-test/Mann-Whitney - All Results

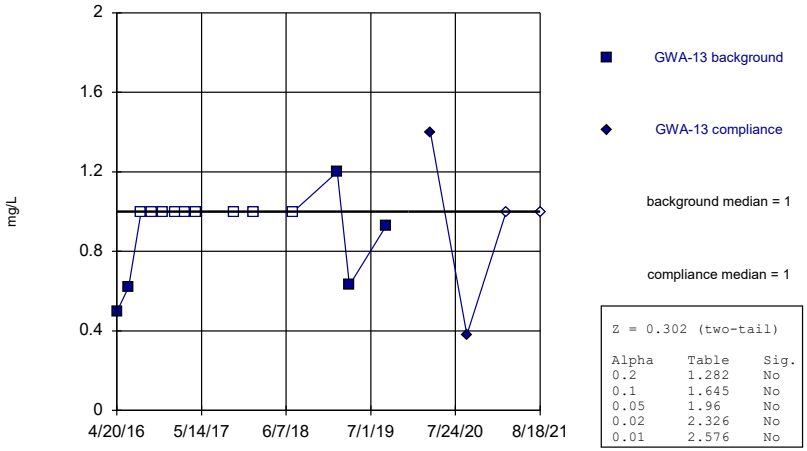
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:43 PM

Constituent	Well	Calc.	0.01	Method
Sulfate (mg/L)	GWA-13 (bg)	0.302	No	Mann-W
Sulfate (mg/L)	GWA-14 (bg)	-0.9663	No	Mann-W
Sulfate (mg/L)	GWA-16 (bg)	-1.075	No	Mann-W
Sulfate (mg/L)	GWA-2 (bg)	0	No	Mann-W
Sulfate (mg/L)	GWA-3 (bg)	-0.398	No	Mann-W
Sulfate (mg/L)	GWC-1	0.3752	No	Mann-W
Sulfate (mg/L)	GWC-10	-1.224	No	Mann-W
Sulfate (mg/L)	GWC-11	-0.2662	No	Mann-W
Sulfate (mg/L)	GWC-12	-0.8222	No	Mann-W
Sulfate (mg/L)	GWA-15 (bg)	-1.632	No	Mann-W
Sulfate (mg/L)	GWC-17 (bg)	-1.192	No	Mann-W
Sulfate (mg/L)	**GWC-18 (bg)**	**-2.822**	**Yes**	**Mann-W**
Sulfate (mg/L)	GWC-19	0.3738	No	Mann-W
Sulfate (mg/L)	GWC-20	-1.544	No	Mann-W
Sulfate (mg/L)	GWC-21	-1.925	No	Mann-W
Sulfate (mg/L)	**GWC-23**	**-2.731**	**Yes**	**Mann-W**
Sulfate (mg/L)	GWA-4A (bg)	-1.913	No	Mann-W
Sulfate (mg/L)	GWA-5 (bg)	0.2016	No	Mann-W
Sulfate (mg/L)	GWC-9	0.05473	No	Mann-W

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-13 (bg)



Z = 0.302 (two-tail)

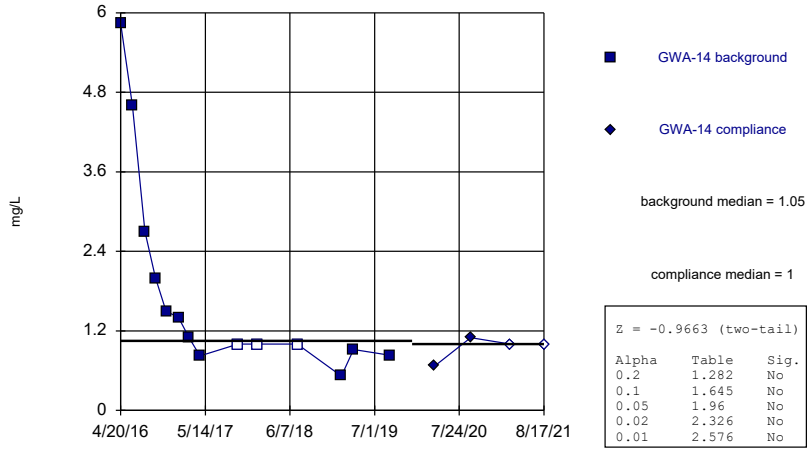
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-14 (bg)



Z = -0.9663 (two-tail)

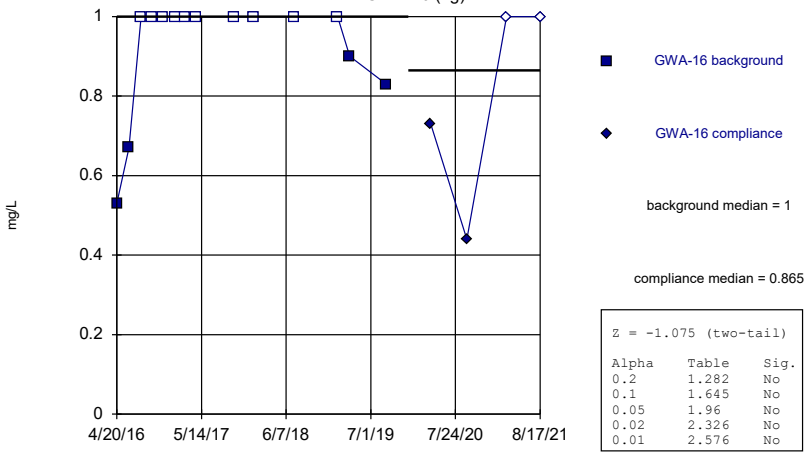
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-16 (bg)



Z = -1.075 (two-tail)

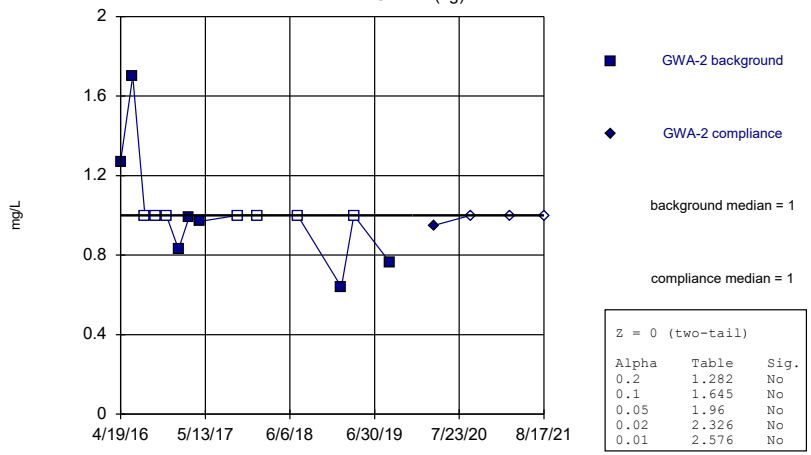
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = 0 (two-tail)

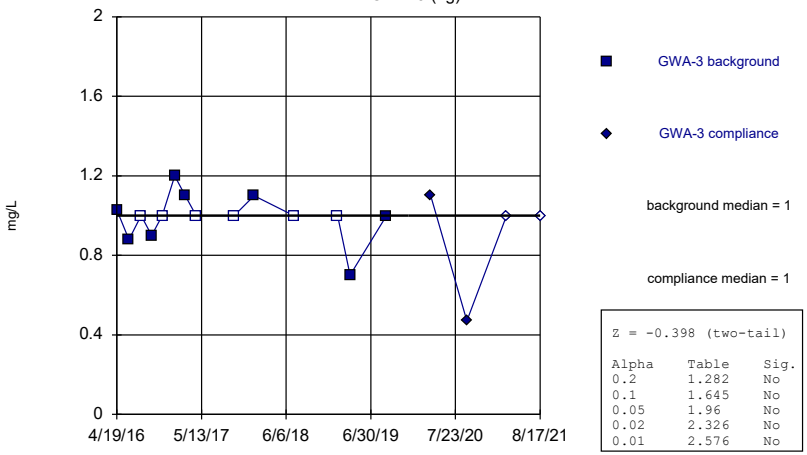
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = -0.398 (two-tail)

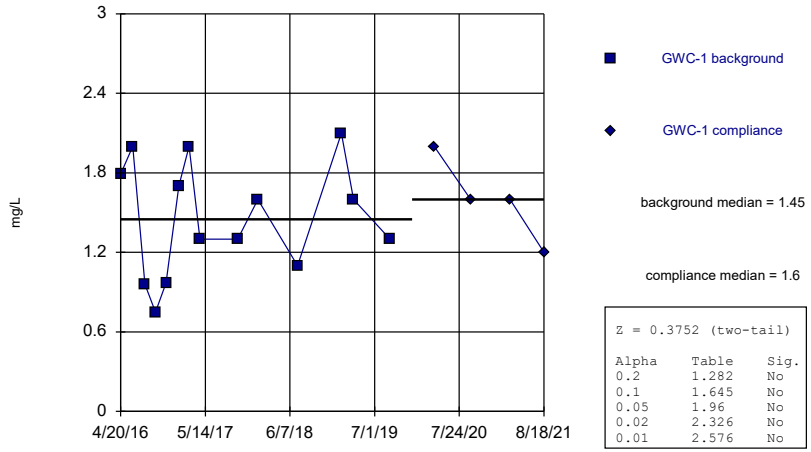
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-1



Z = 0.3752 (two-tail)

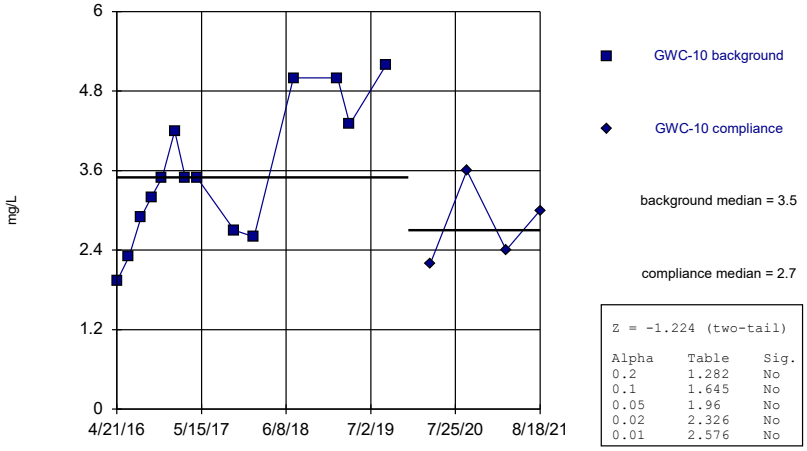
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -1.224 (two-tail)

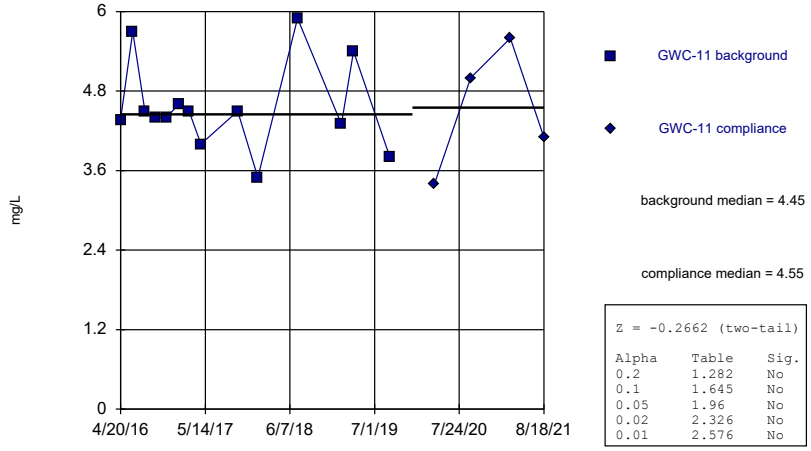
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -0.2662 (two-tail)

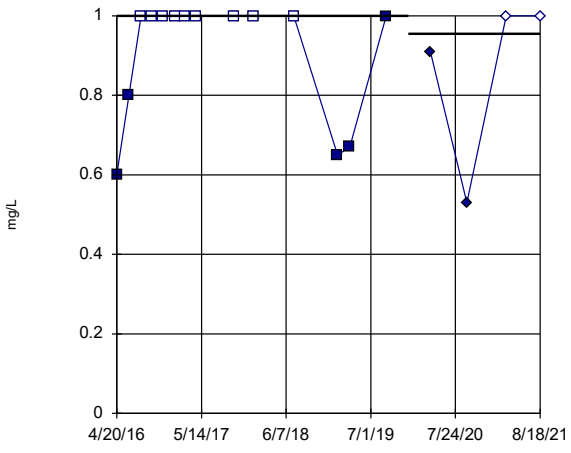
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



GWC-12 background

GWC-12 compliance

background median = 1

compliance median = 0.955

Z = -0.8222 (two-tail)

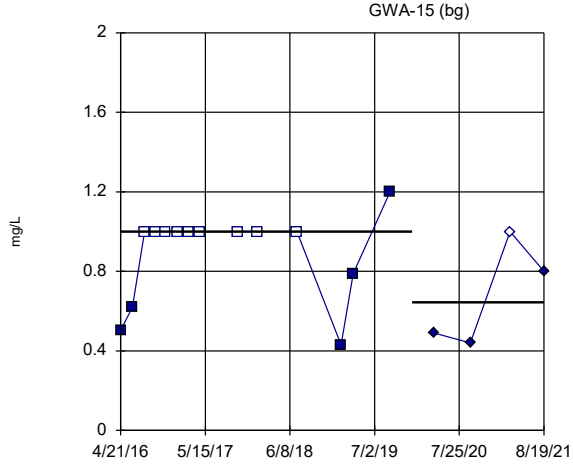
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-15 (bg)



GWA-15 background

GWA-15 compliance

background median = 1

compliance median = 0.645

Z = -1.632 (two-tail)

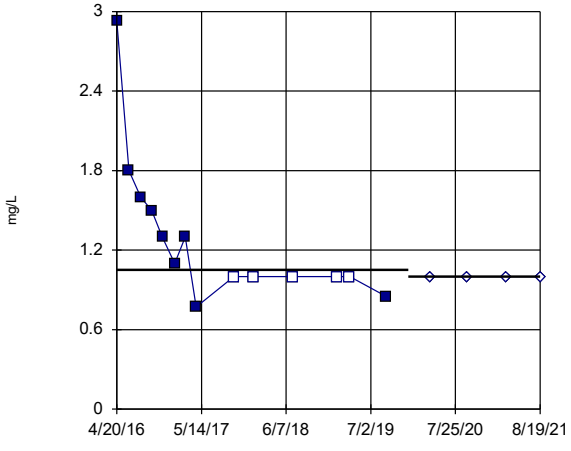
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17 (bg)



GWC-17 background

GWC-17 compliance

background median = 1.05

compliance median = 1

Z = -1.192 (two-tail)

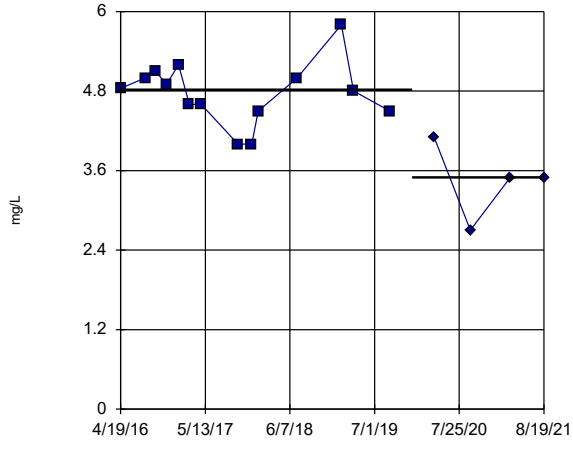
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18 (bg)



GWC-18 background

GWC-18 compliance

background median = 4.82

compliance median = 3.5

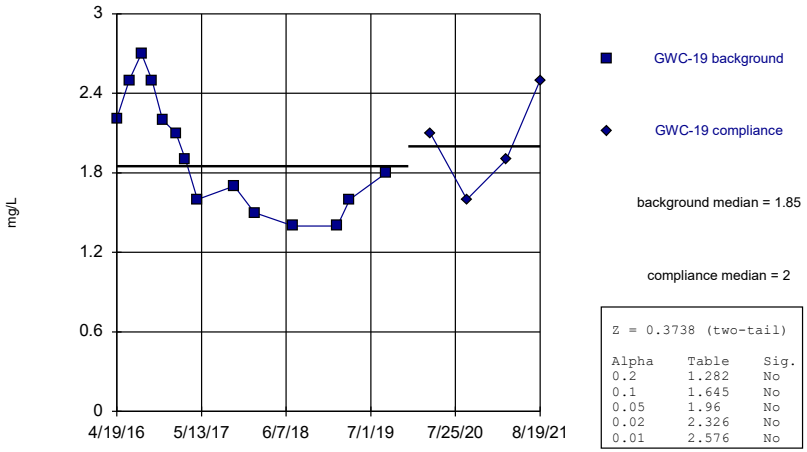
Z = -2.822 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 0.3738 (two-tail)

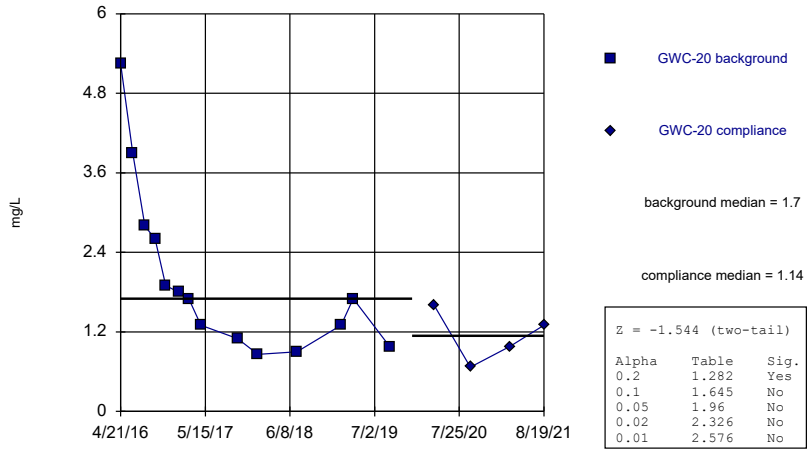
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -1.544 (two-tail)

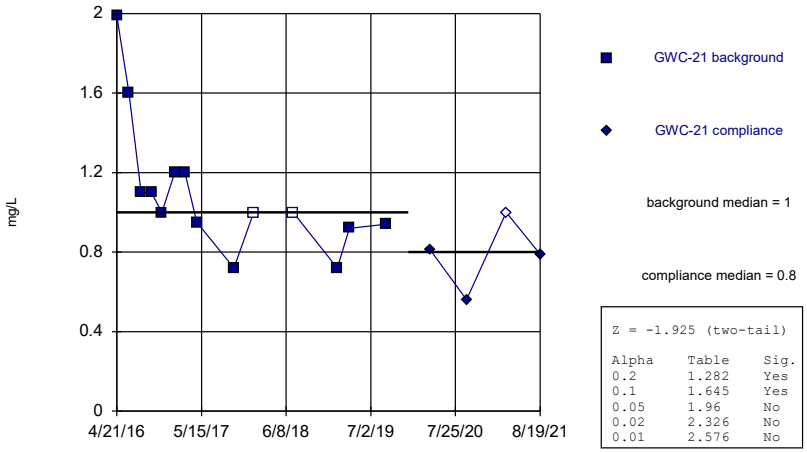
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -1.925 (two-tail)

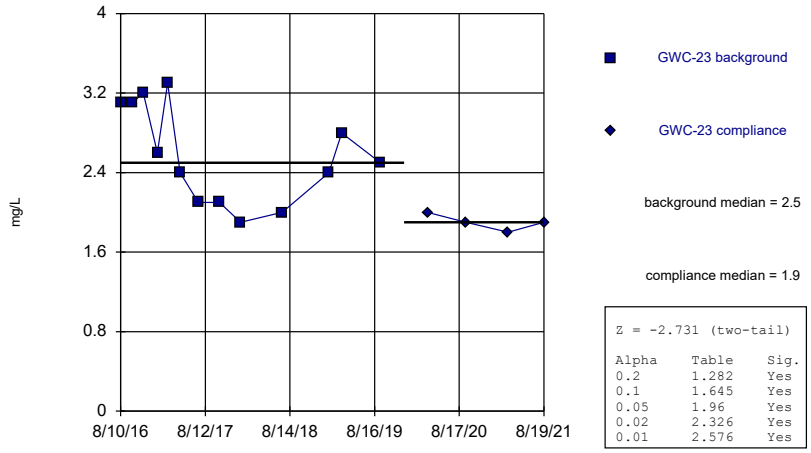
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -2.731 (two-tail)

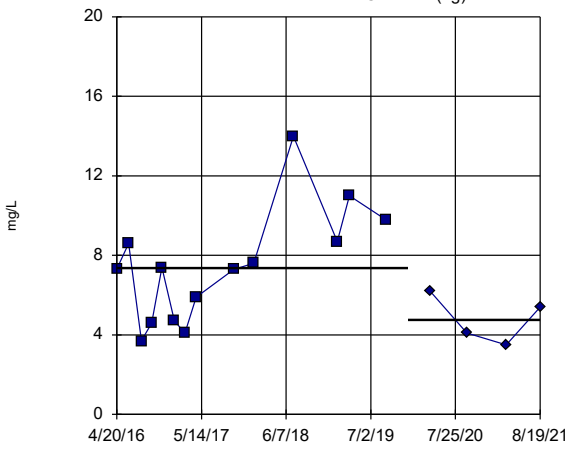
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4A (bg)



GWA-4A background

GWA-4A compliance

background median = 7.355

compliance median = 4.75

Z = -1.913 (two-tail)

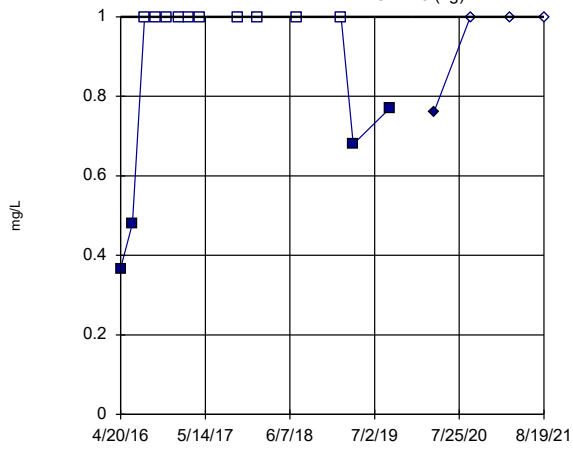
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-5 (bg)



GWA-5 background

GWA-5 compliance

background median = 1

compliance median = 1

Z = 0.2016 (two-tail)

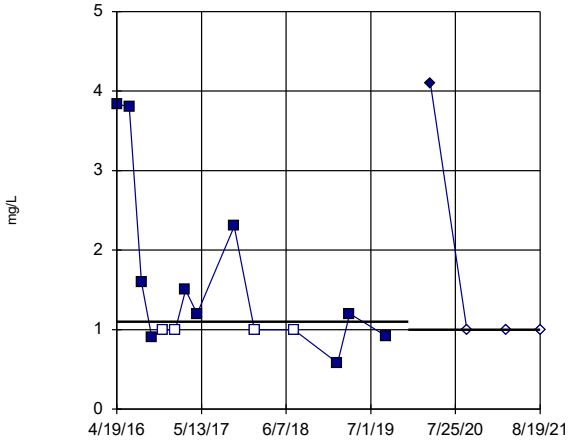
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



GWC-9 background

GWC-9 compliance

background median = 1.1

compliance median = 1

Z = 0.05473 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate Analysis Run 8/2/2022 4:40 PM View: Appendix III - Mann-Whitney
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 4:43 PM View: Appendix III - Mann-Whitney

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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 F.

Appendix III Trend Tests - Upgradient Wells - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**GWC-18 (bg)**	**-1.808**	**-158**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-4A (bg)**	**-0.2005**	**-127**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**GWA-3 (bg)**	**-0.7892**	**-142**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWA-14 (bg)**	**-0.04402**	**-98**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWA-16 (bg)**	**-0.03903**	**-94**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWC-18 (bg)**	**-0.1282**	**-132**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWA-5 (bg)**	**-0.07045**	**-109**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - Upgradient Wells - All Results

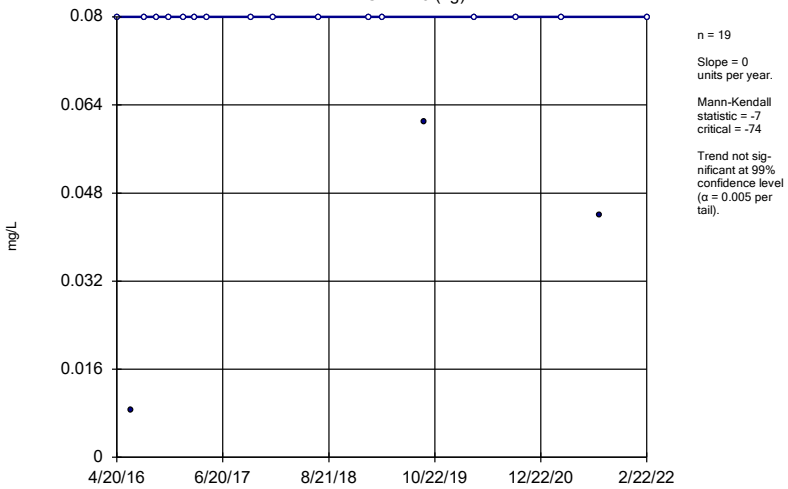
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 4:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GWA-13 (bg)	0	-7	-74	No	19	84.21	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-14 (bg)	0	31	74	No	19	89.47	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-16 (bg)	0	1	74	No	19	89.47	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	0	16	74	No	19	73.68	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	0	-11	-74	No	19	84.21	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-15 (bg)	0	16	74	No	19	94.74	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-17 (bg)	0	16	74	No	19	94.74	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-18 (bg)	0	16	74	No	19	94.74	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4A (bg)	0	14	74	No	19	78.95	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-5 (bg)	0	5	74	No	19	89.47	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-13 (bg)	0.01651	48	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-14 (bg)	0	-11	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-16 (bg)	0.008548	59	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	-0.02944	-66	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	-0.005685	-24	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-15 (bg)	0.06952	62	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17 (bg)	0	-10	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**GWC-18 (bg)**	**-1.808**	**-158**	**-81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-4A (bg)**	**-0.2005**	**-127**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWA-5 (bg)	-0.04011	-27	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-13 (bg)	0.02934	29	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-14 (bg)	-0.05214	-51	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-16 (bg)	0	-7	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.03728	-33	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWA-3 (bg)**	**-0.7892**	**-142**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWA-15 (bg)	0	2	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-17 (bg)	0.07026	53	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-18 (bg)	-0.06718	-44	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4A (bg)	0.09648	52	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-5 (bg)	0.05267	33	68	No	18	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-13 (bg)	0	3	74	No	19	84.21	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-14 (bg)	0	-12	-74	No	19	78.95	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-16 (bg)	0	-3	-74	No	19	84.21	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-2 (bg)	0	-9	-74	No	19	68.42	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-3 (bg)	0	-3	-74	No	19	84.21	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-15 (bg)	0	-12	-74	No	19	78.95	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWC-17 (bg)	-0.006675	-49	-74	No	19	5.263	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWC-18 (bg)	-0.02027	-58	-81	No	20	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-4A (bg)	0	1	74	No	19	84.21	n/a	n/a	0.01	NP
Fluoride (mg/L)	GWA-5 (bg)	0	-35	-74	No	19	68.42	n/a	n/a	0.01	NP
pH (S.U.)	GWA-13 (bg)	-0.03167	-54	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	**GWA-14 (bg)**	**-0.04402**	**-98**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	**GWA-16 (bg)**	**-0.03903**	**-94**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	GWA-2 (bg)	-0.02753	-52	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-3 (bg)	-0.01933	-53	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWA-15 (bg)	-0.01003	-15	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	GWC-17 (bg)	0.009597	34	87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	**GWC-18 (bg)**	**-0.1282**	**-132**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (S.U.)	GWA-4A (bg)	-0.09904	-72	-87	No	21	0	n/a	n/a	0.01	NP
pH (S.U.)	**GWA-5 (bg)**	**-0.07045**	**-109**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	GWA-13 (bg)	1.162	19	74	No	19	15.79	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-14 (bg)	-0.2307	-10	-74	No	19	15.79	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-16 (bg)	2.086	27	74	No	19	15.79	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-2 (bg)	2.558	32	74	No	19	5.263	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-3 (bg)	-1.051	-22	-74	No	19	10.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-15 (bg)	1.594	30	74	No	19	10.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-17 (bg)	1.118	20	74	No	19	5.263	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-18 (bg)	-8.249	-55	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-4A (bg)	0	-1	-74	No	19	15.79	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-5 (bg)	1.759	16	74	No	19	10.53	n/a	n/a	0.01	NP

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-13 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -7 critical = -74

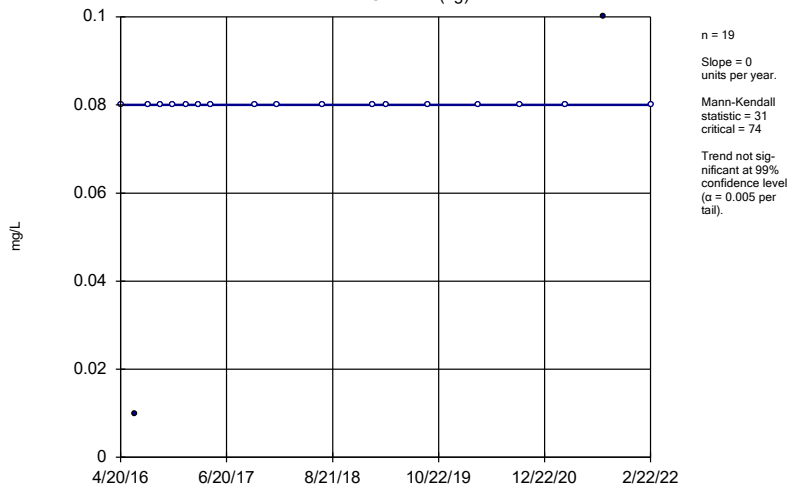
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-14 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 31 critical = 74

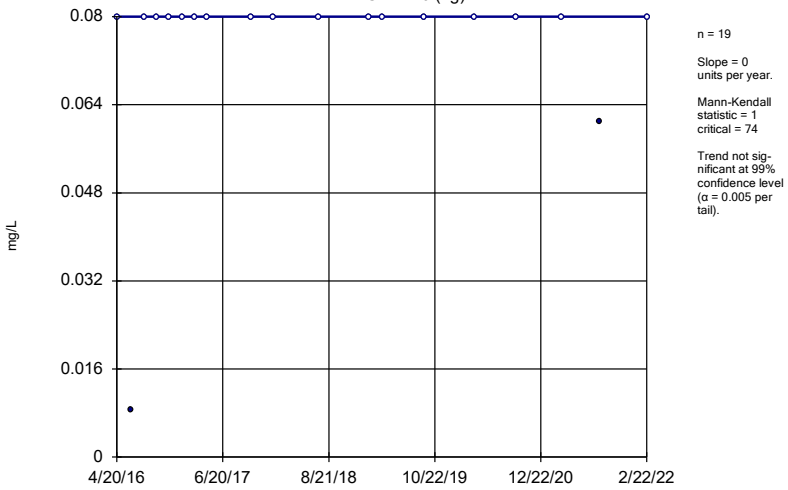
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-16 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 1 critical = 74

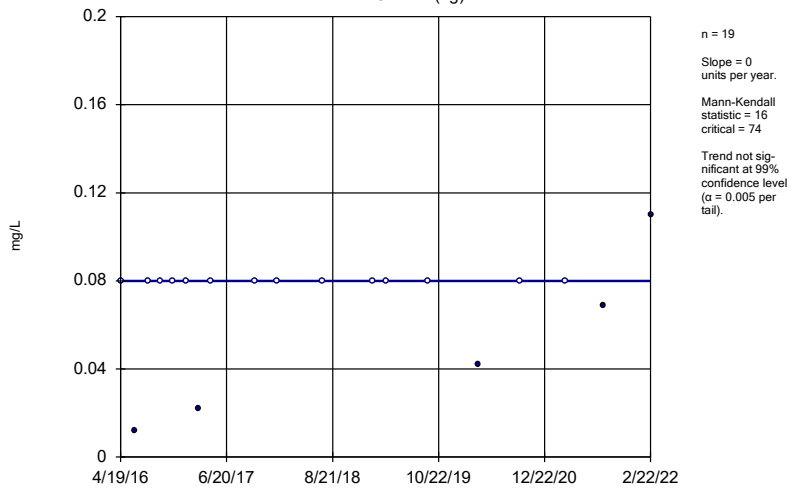
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 16 critical = 74

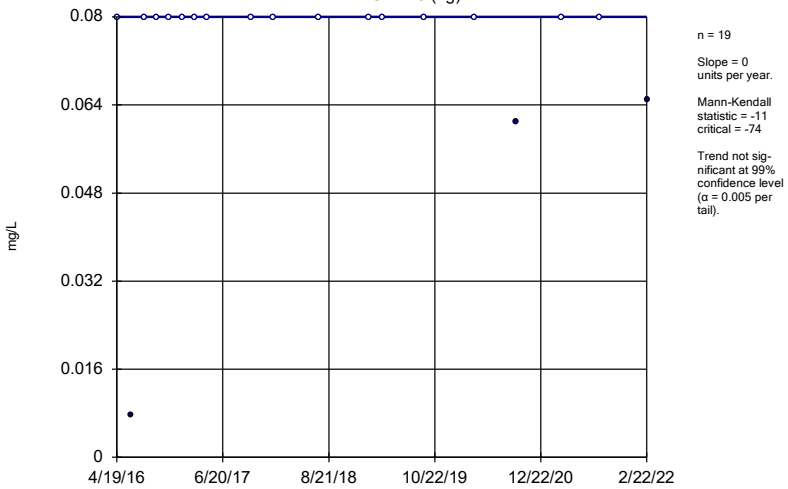
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -11
critical = -74

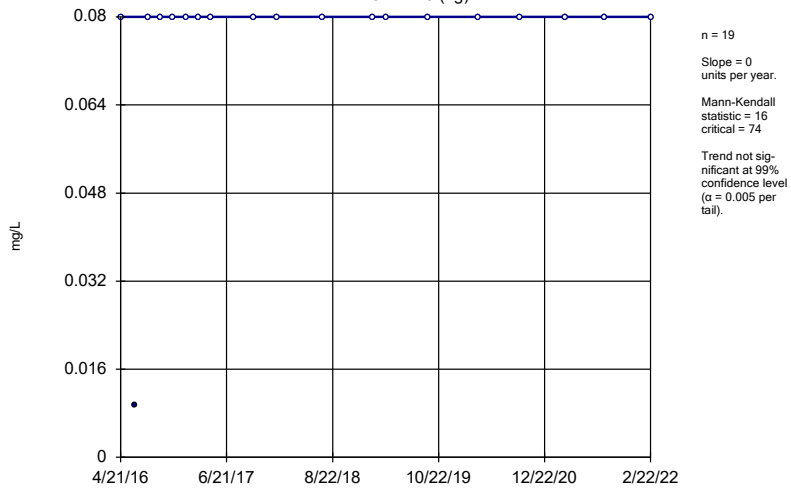
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-15 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 74

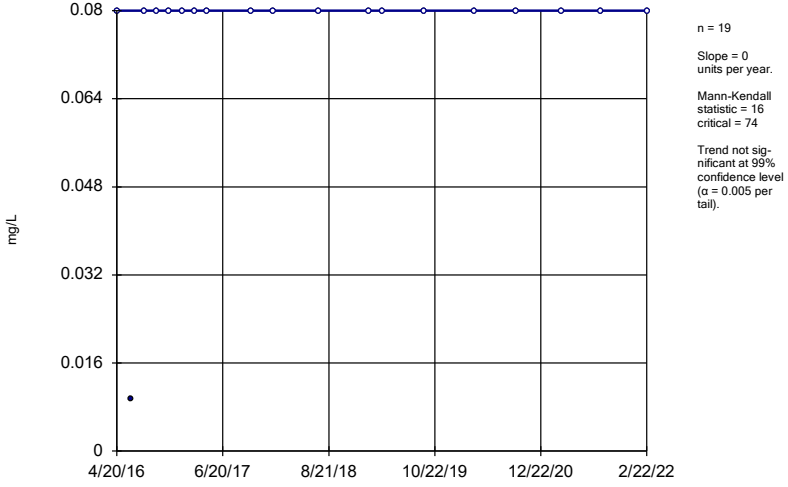
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-17 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 74

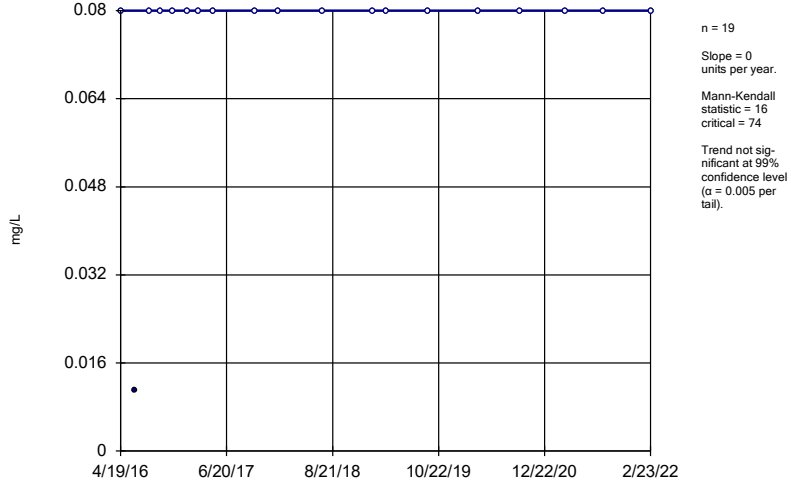
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-18 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 16
critical = 74

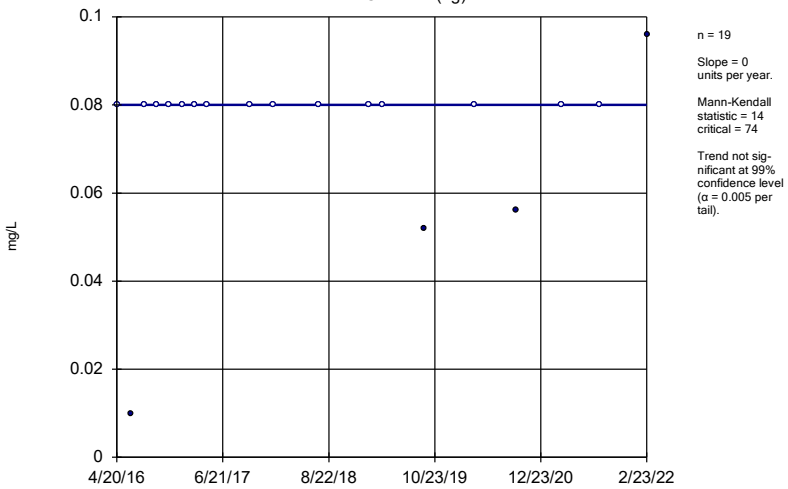
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4A (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 14
critical = 74

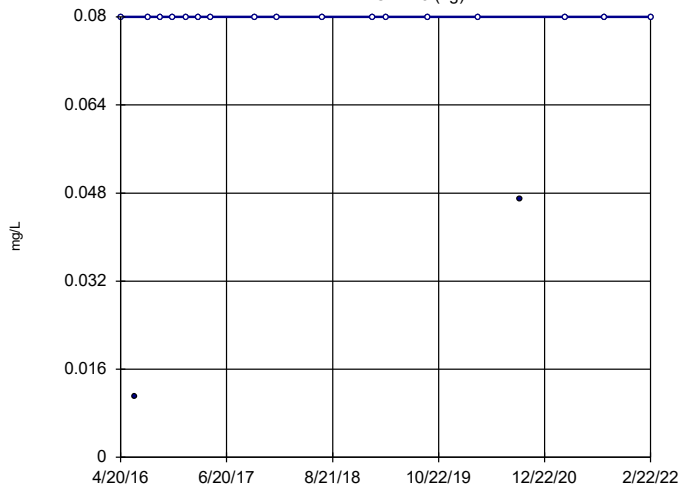
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-5 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 74

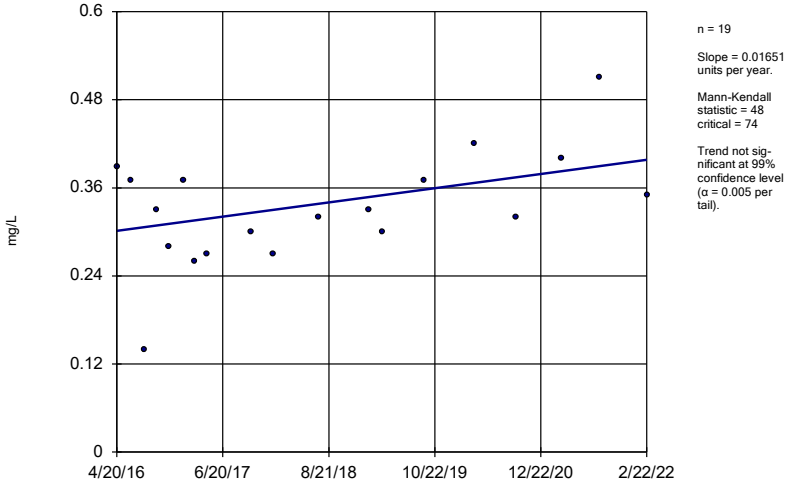
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-13 (bg)



n = 19

Slope = 0.01651 units per year.

Mann-Kendall statistic = 48
critical = 74

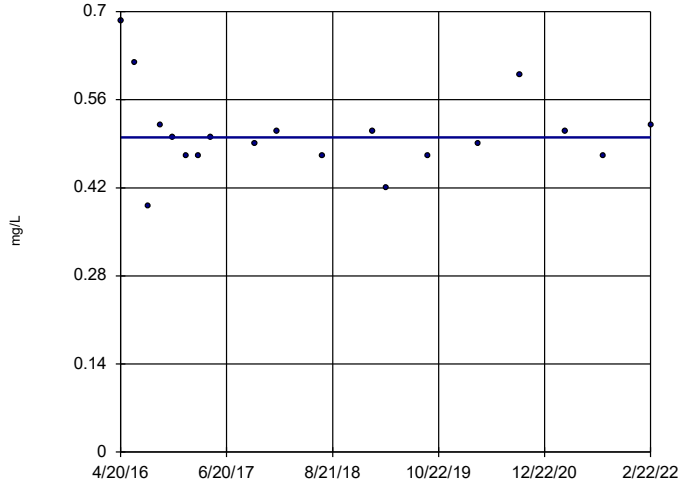
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-14 (bg)



n = 19

Slope = 0 units per year.

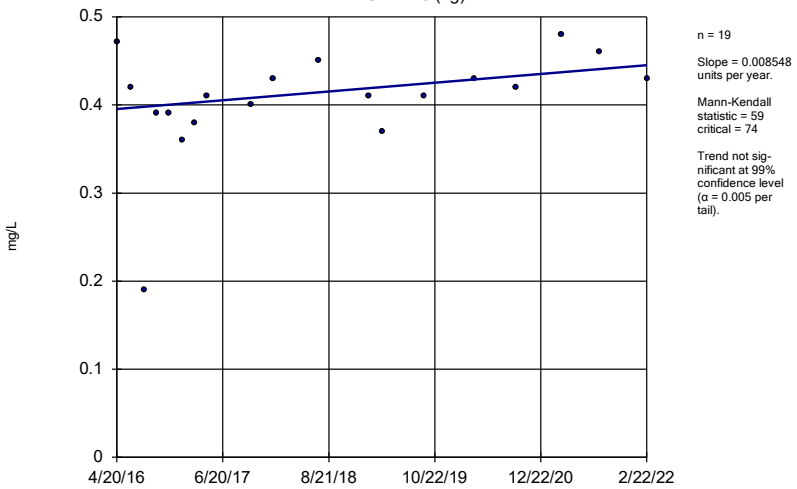
Mann-Kendall statistic = -11
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWA-16 (bg)



n = 19

Slope = 0.008548 units per year.

Mann-Kendall statistic = 59 critical = 74

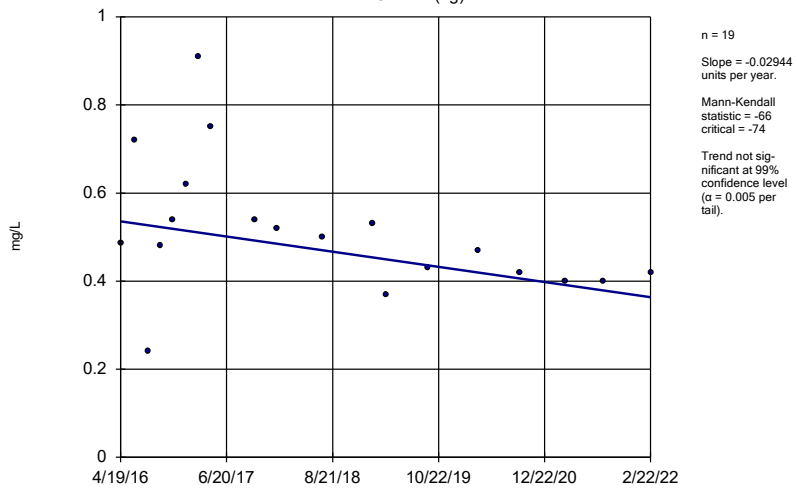
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 19

Slope = -0.02944 units per year.

Mann-Kendall statistic = -66 critical = -74

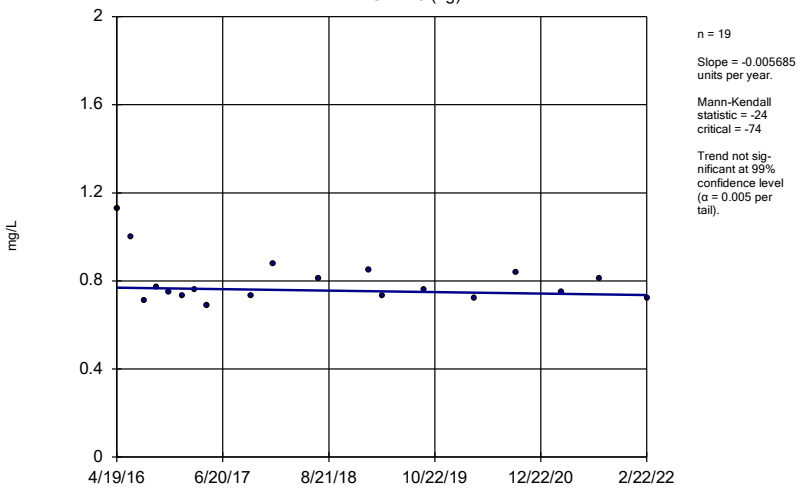
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-3 (bg)



n = 19

Slope = -0.005685 units per year.

Mann-Kendall statistic = -24 critical = -74

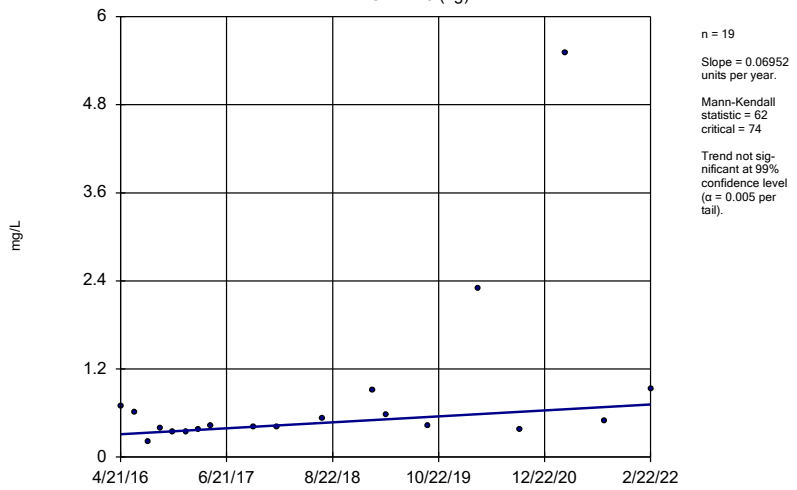
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-15 (bg)



n = 19

Slope = 0.06952 units per year.

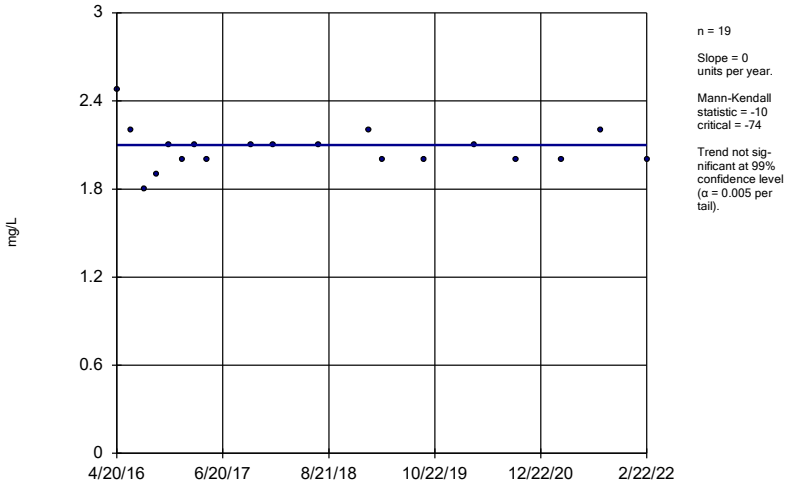
Mann-Kendall statistic = 62 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWC-17 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -10 critical = -74

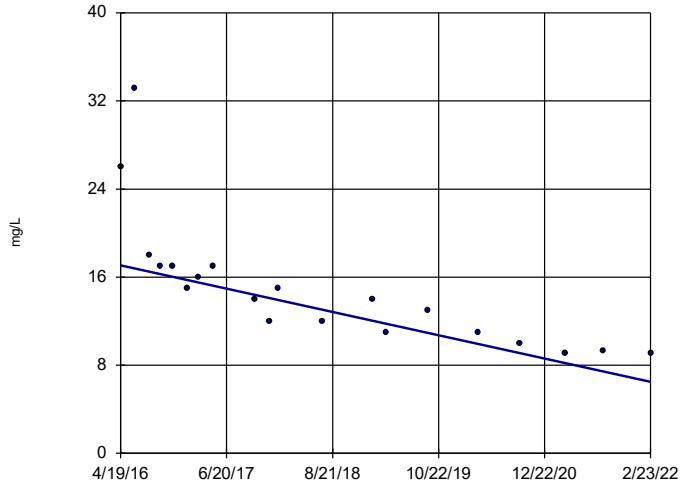
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-18 (bg)



n = 20

Slope = -1.808 units per year.

Mann-Kendall statistic = -158 critical = -81

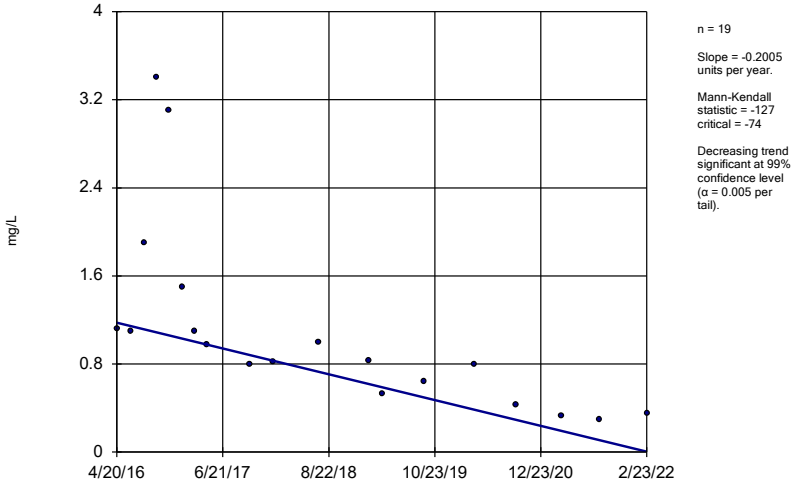
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-4A (bg)



n = 19

Slope = -0.2005 units per year.

Mann-Kendall statistic = -127 critical = -74

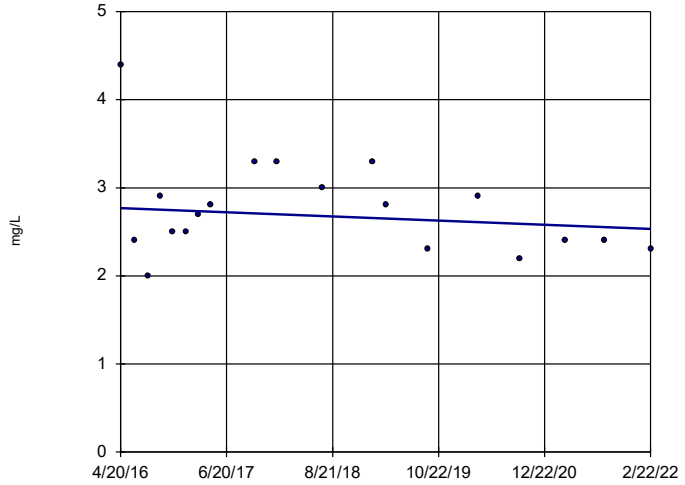
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-5 (bg)



n = 19

Slope = -0.04011 units per year.

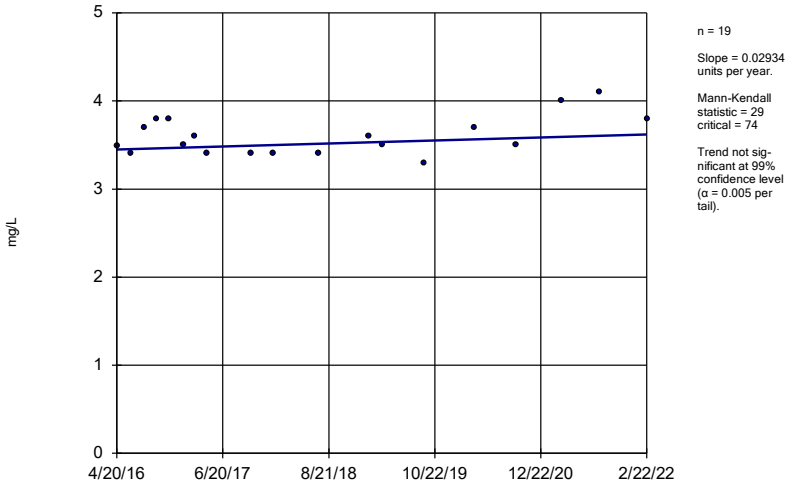
Mann-Kendall statistic = -27 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWA-13 (bg)



n = 19

Slope = 0.02934 units per year.

Mann-Kendall statistic = 29 critical = 74

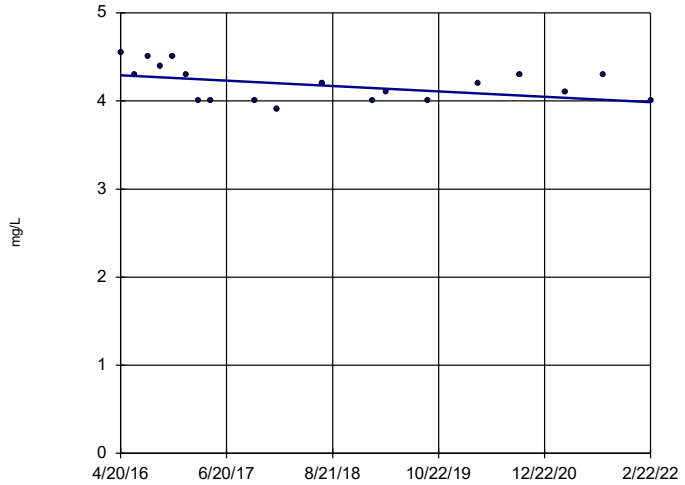
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-14 (bg)



n = 19

Slope = -0.05214 units per year.

Mann-Kendall statistic = -51 critical = -74

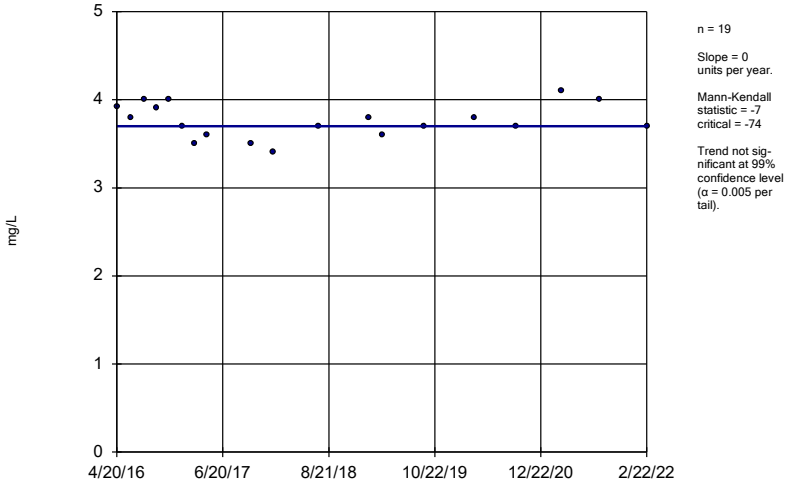
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-16 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -7 critical = -74

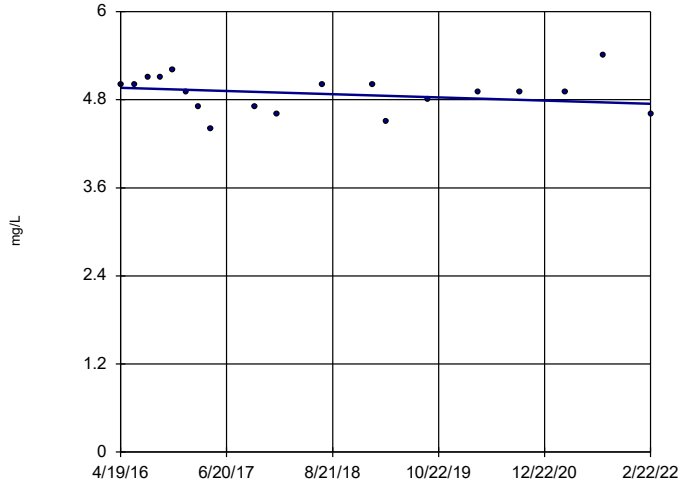
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 19

Slope = -0.03728 units per year.

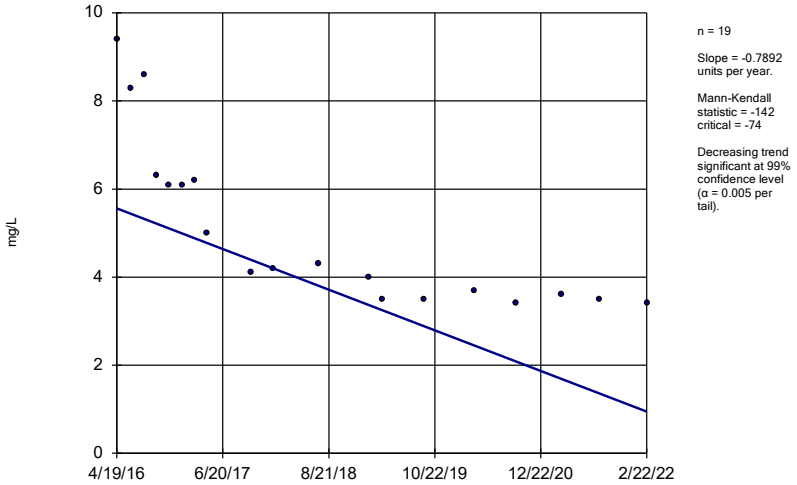
Mann-Kendall statistic = -33 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWA-3 (bg)



n = 19

Slope = -0.7892 units per year.

Mann-Kendall statistic = -142 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

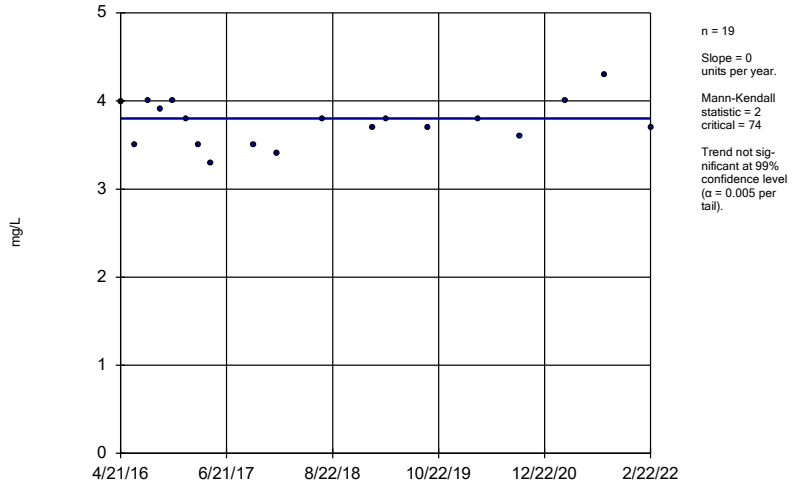
Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-15 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

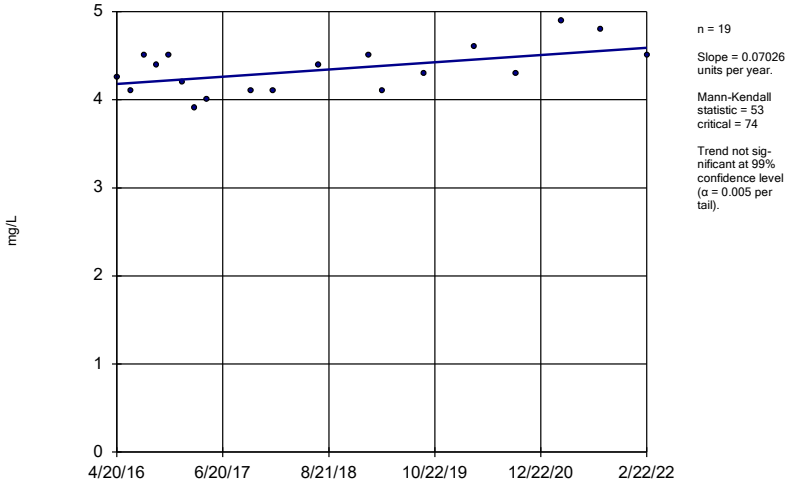
Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-17 (bg)



n = 19

Slope = 0.07026 units per year.

Mann-Kendall statistic = 53 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

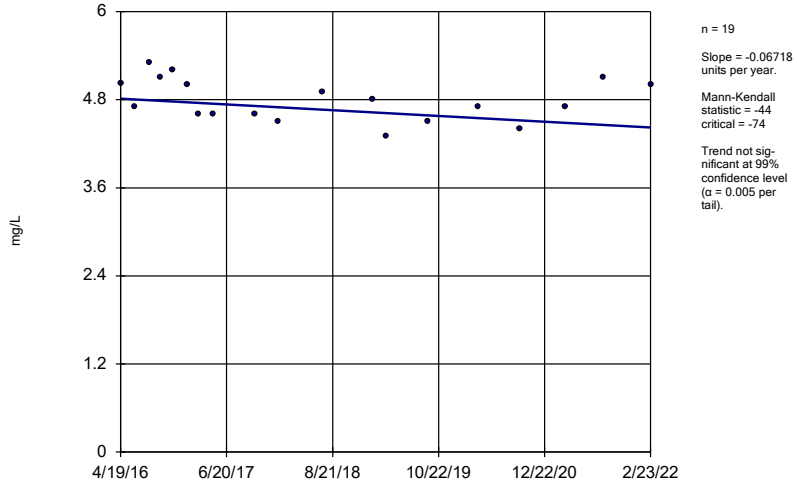
Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-18 (bg)



n = 19

Slope = -0.06718 units per year.

Mann-Kendall statistic = -44 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

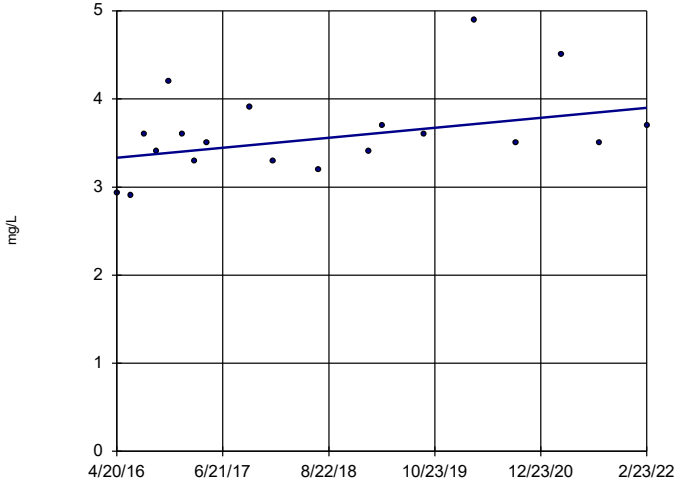
Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-4A (bg)



n = 19

Slope = 0.09648 units per year.

Mann-Kendall statistic = 52 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

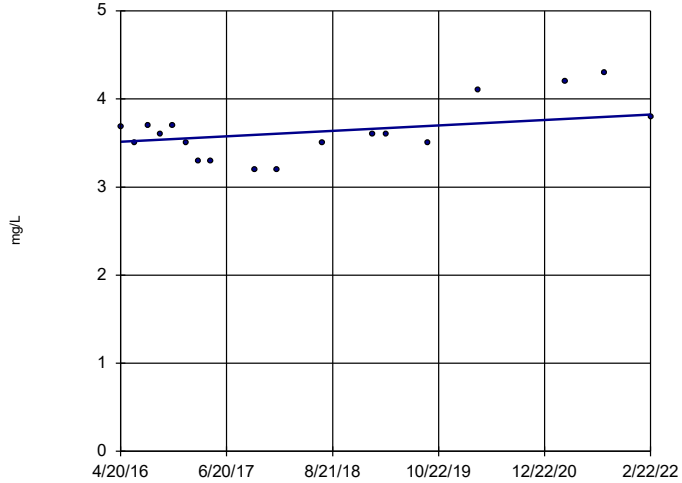
Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-5 (bg)



n = 18

Slope = 0.05267 units per year.

Mann-Kendall statistic = 33 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient

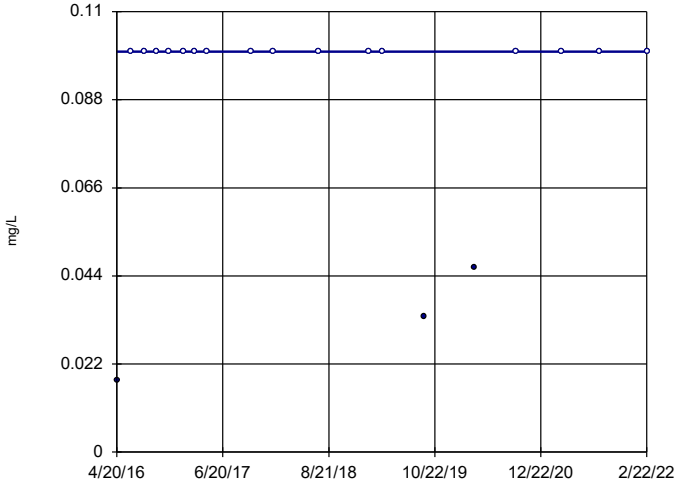
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-13 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 3 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient

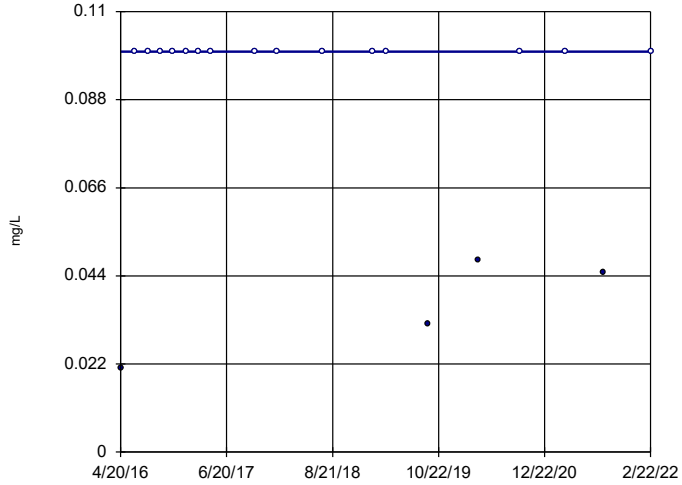
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-14 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -12 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

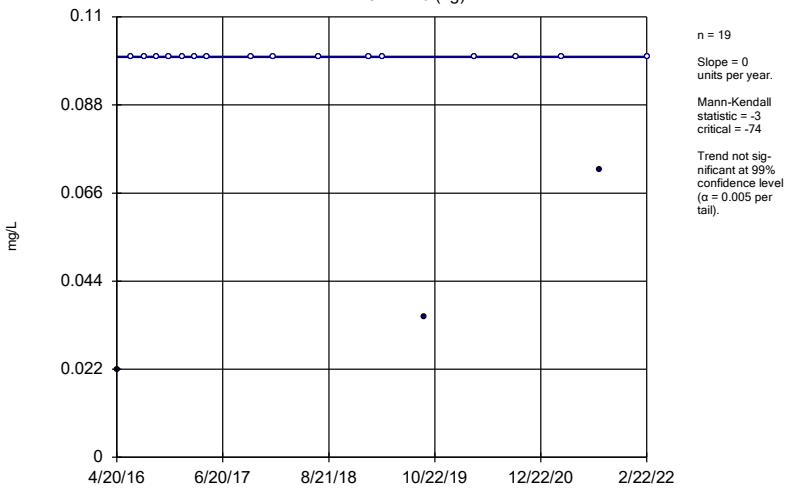
Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-16 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -74

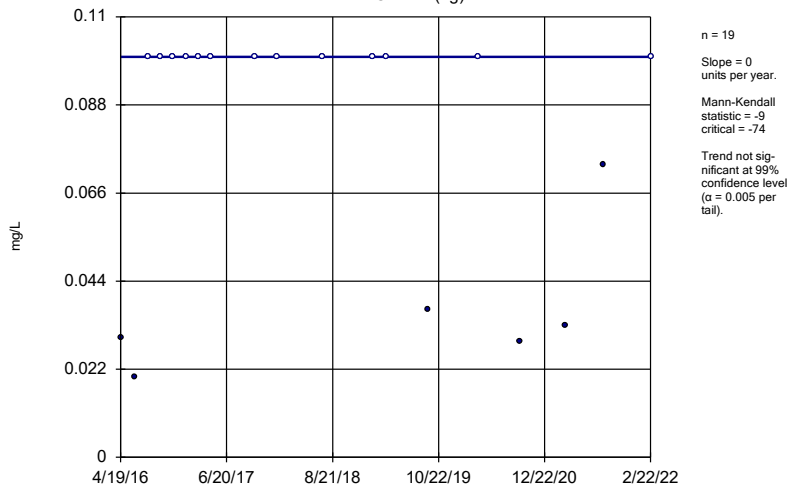
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -9
critical = -74

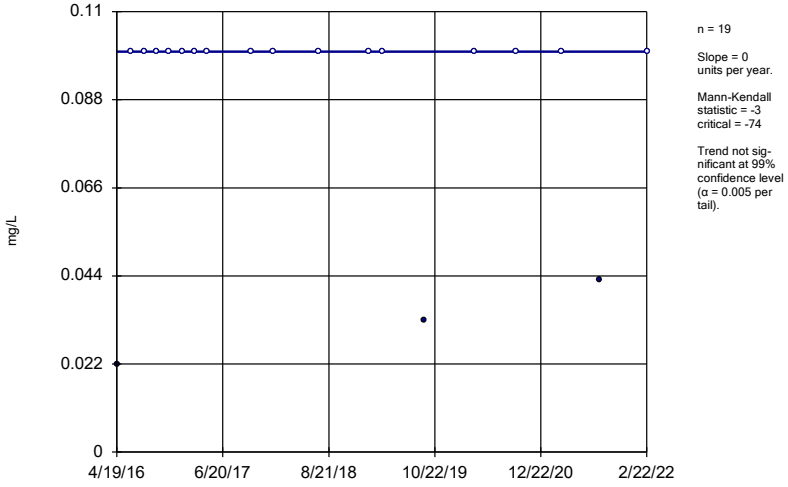
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -74

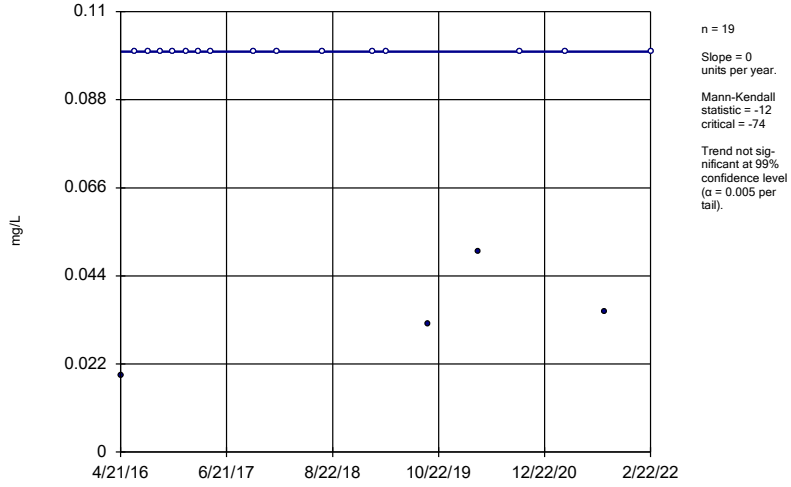
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-15 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -12
critical = -74

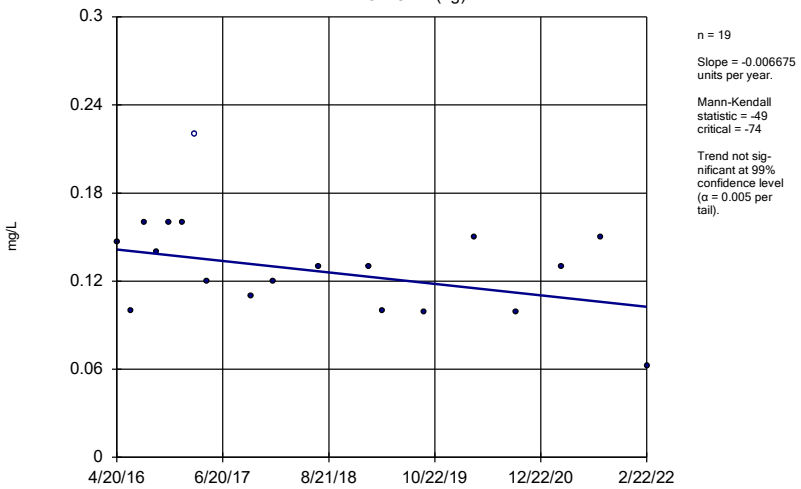
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-17 (bg)



n = 19

Slope = -0.006675 units per year.

Mann-Kendall statistic = -49
critical = -74

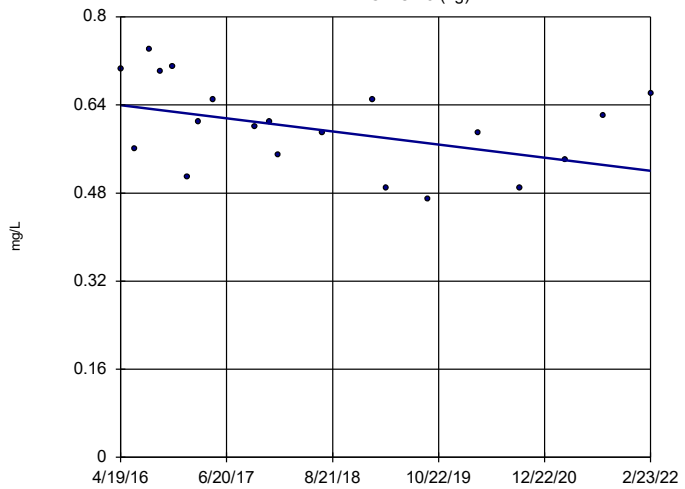
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-18 (bg)



n = 20

Slope = -0.02027 units per year.

Mann-Kendall statistic = -58
critical = -81

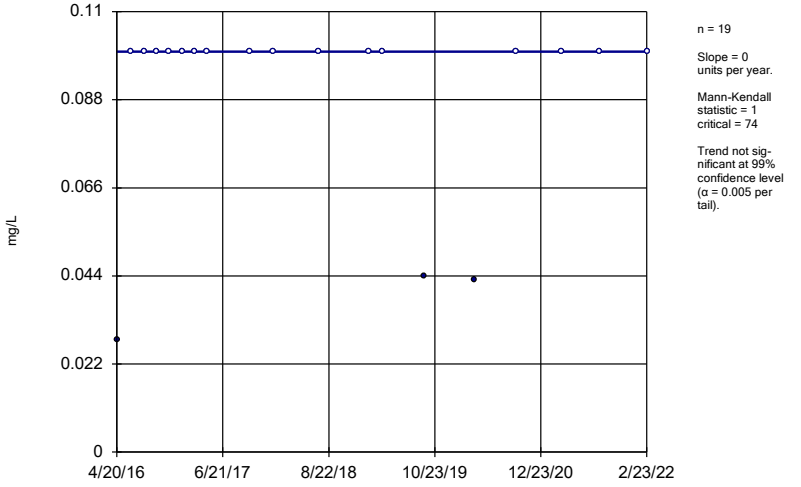
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4A (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 74

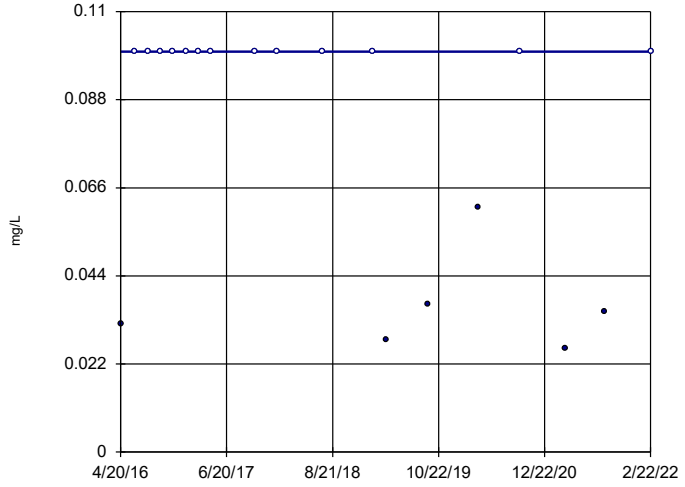
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-5 (bg)



n = 19

Slope = 0 units per year.

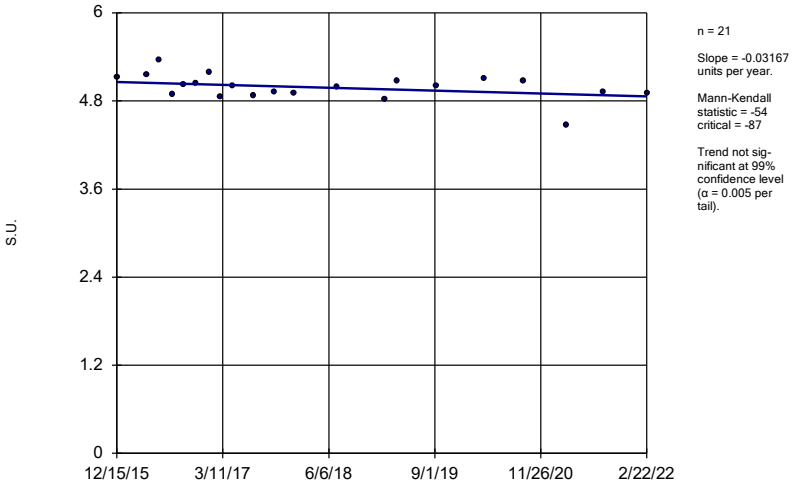
Mann-Kendall statistic = -35
critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 8/2/2022 4:44 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWA-13 (bg)



n = 21

Slope = -0.03167 units per year.

Mann-Kendall statistic = -54
critical = -87

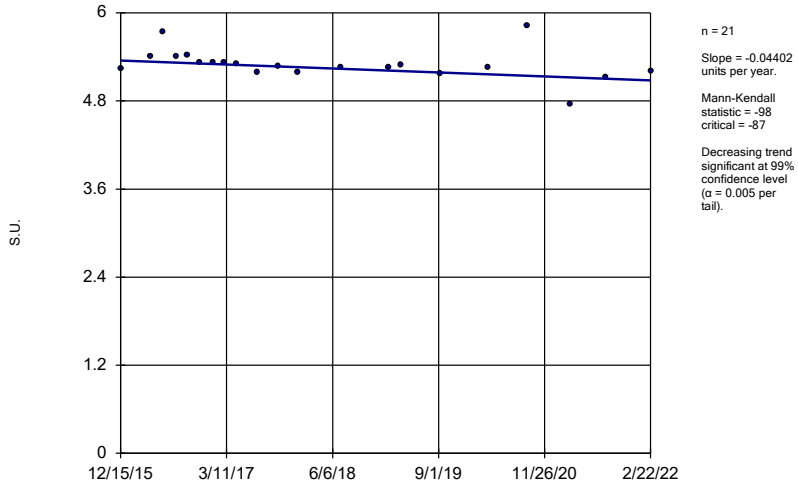
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-14 (bg)



n = 21

Slope = -0.04402 units per year.

Mann-Kendall statistic = -98
critical = -87

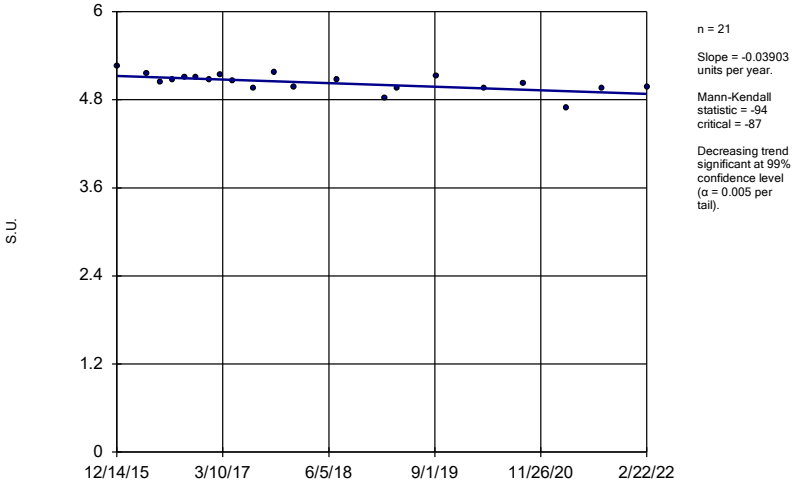
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-16 (bg)



n = 21

Slope = -0.03903 units per year.

Mann-Kendall statistic = -94
critical = -87

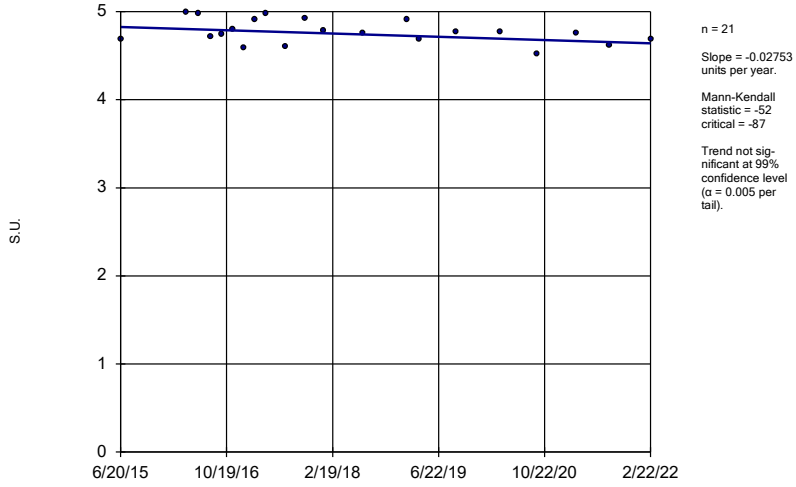
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 21

Slope = -0.02753 units per year.

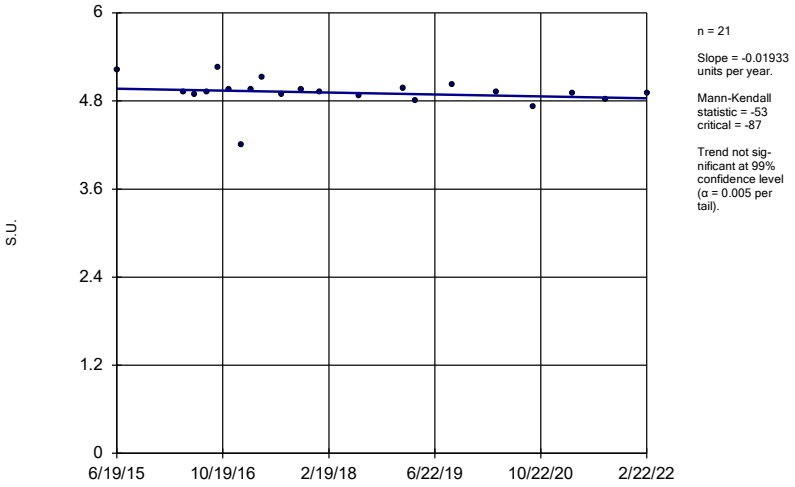
Mann-Kendall statistic = -52
critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWA-3 (bg)



n = 21

Slope = -0.01933 units per year.

Mann-Kendall statistic = -53 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

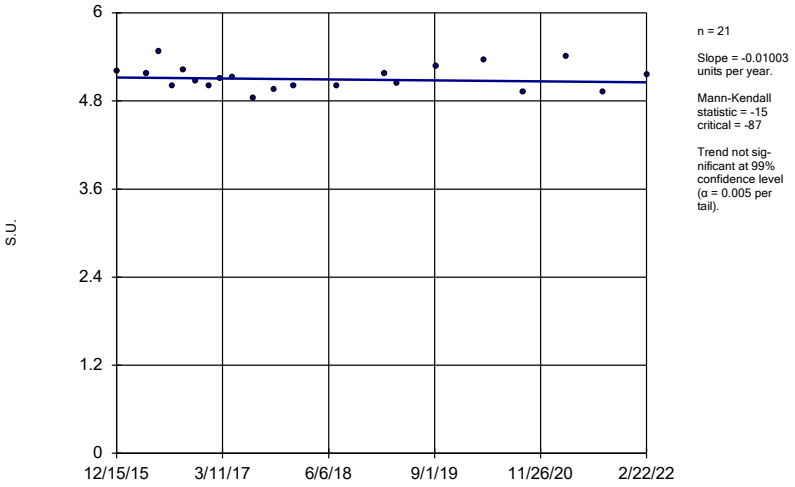
Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-15 (bg)



n = 21

Slope = -0.01003 units per year.

Mann-Kendall statistic = -15 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

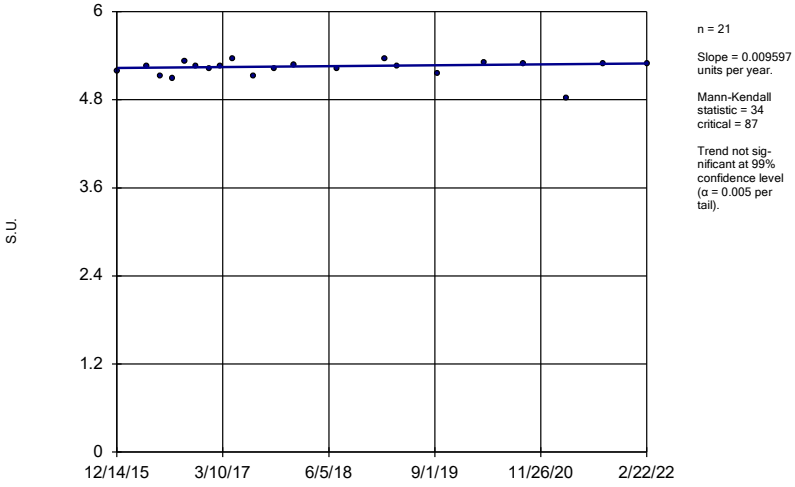
Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-17 (bg)



n = 21

Slope = 0.009597 units per year.

Mann-Kendall statistic = 34 critical = 87

Trend not significant at 99% confidence level (α = 0.005 per tail).

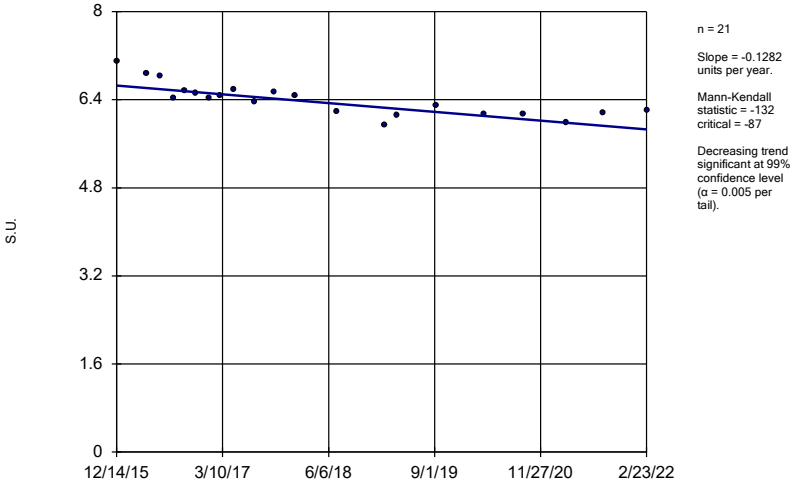
Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-18 (bg)



n = 21

Slope = -0.1282 units per year.

Mann-Kendall statistic = -132 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

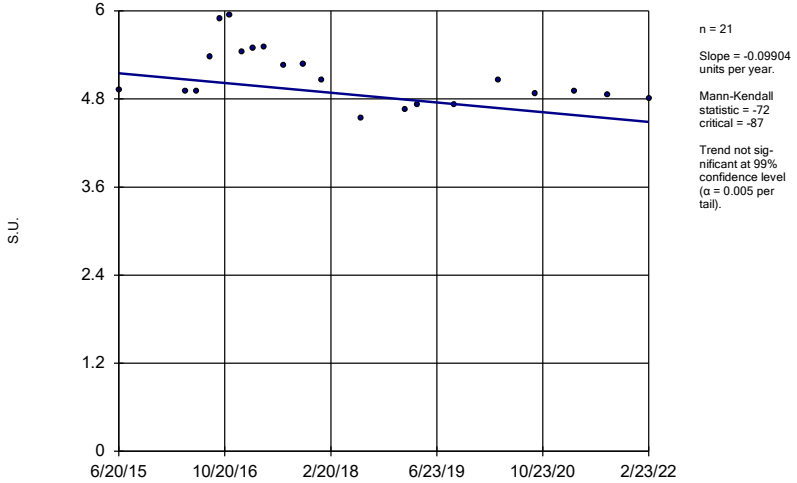
Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-4A (bg)



n = 21

Slope = -0.09904 units per year.

Mann-Kendall statistic = -72 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

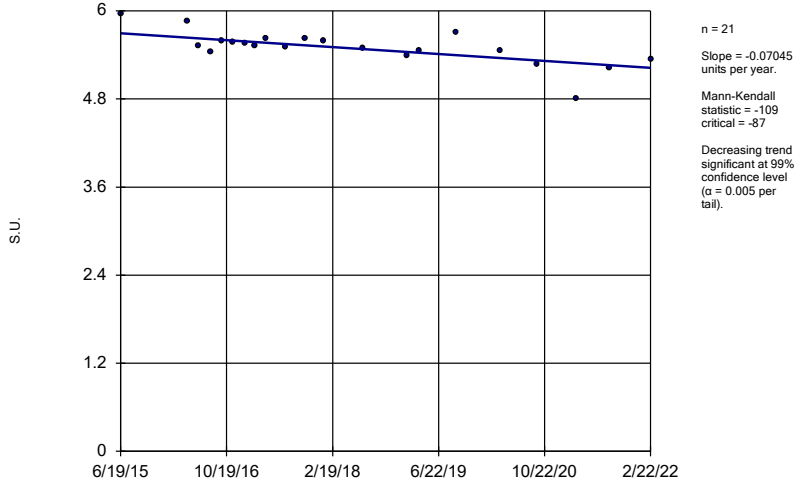
Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-5 (bg)



n = 21

Slope = -0.07045 units per year.

Mann-Kendall statistic = -109 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradient

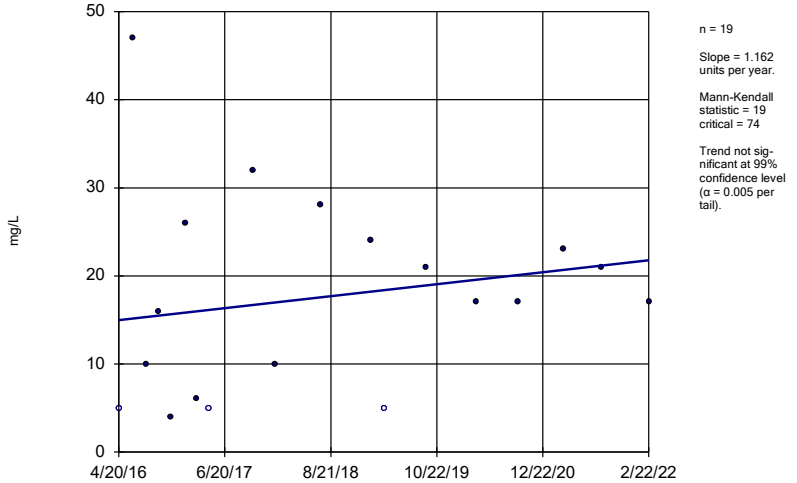
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-13 (bg)



n = 19

Slope = 1.162 units per year.

Mann-Kendall statistic = 19 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie

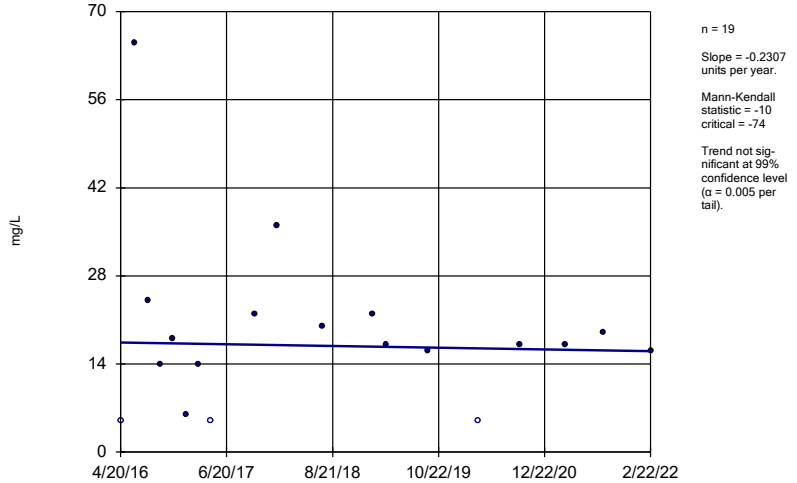
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-14 (bg)



n = 19

Slope = -0.2307 units per year.

Mann-Kendall statistic = -10 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

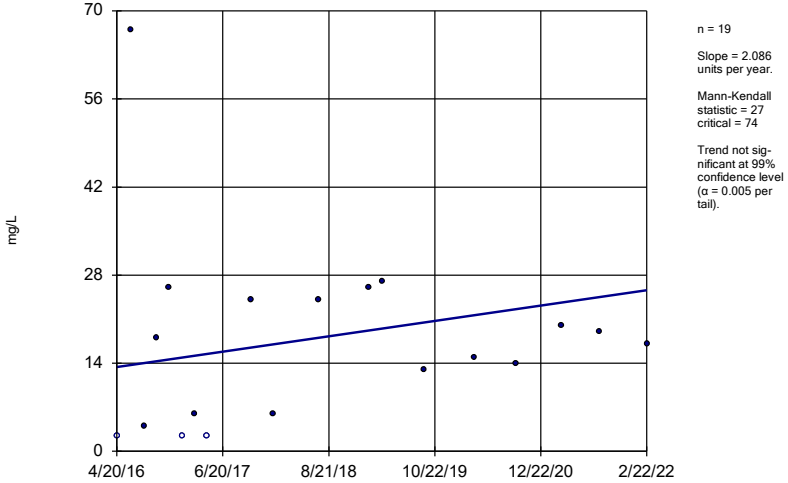
Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-16 (bg)



n = 19

Slope = 2.086 units per year.

Mann-Kendall statistic = 27
critical = 74

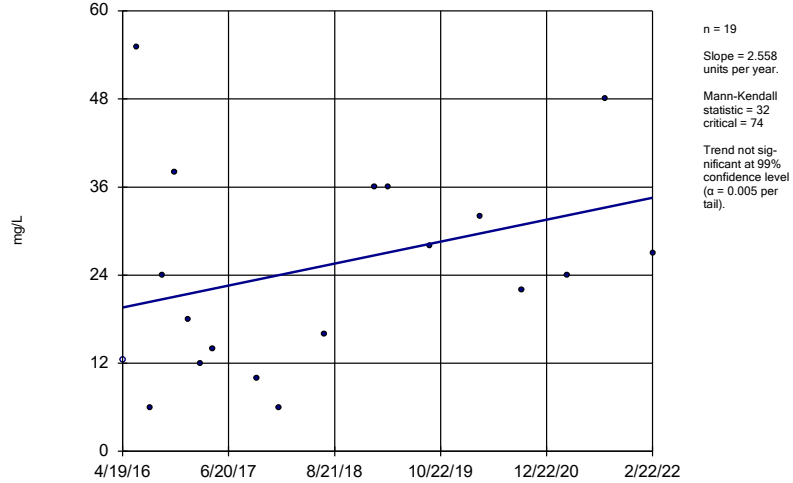
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 19

Slope = 2.558 units per year.

Mann-Kendall statistic = 32
critical = 74

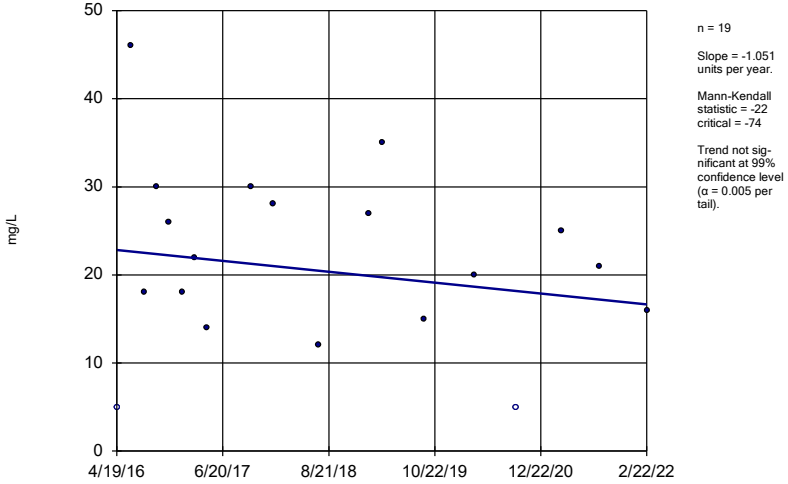
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 19

Slope = -1.051 units per year.

Mann-Kendall statistic = -22
critical = -74

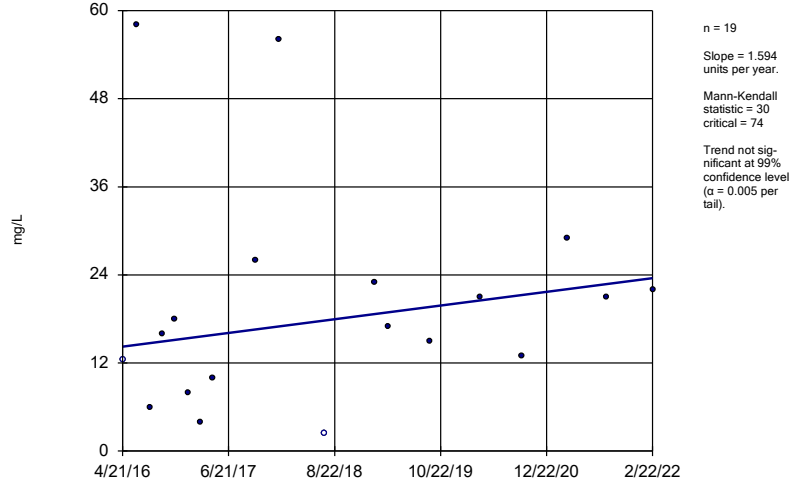
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-15 (bg)



n = 19

Slope = 1.594 units per year.

Mann-Kendall statistic = 30
critical = 74

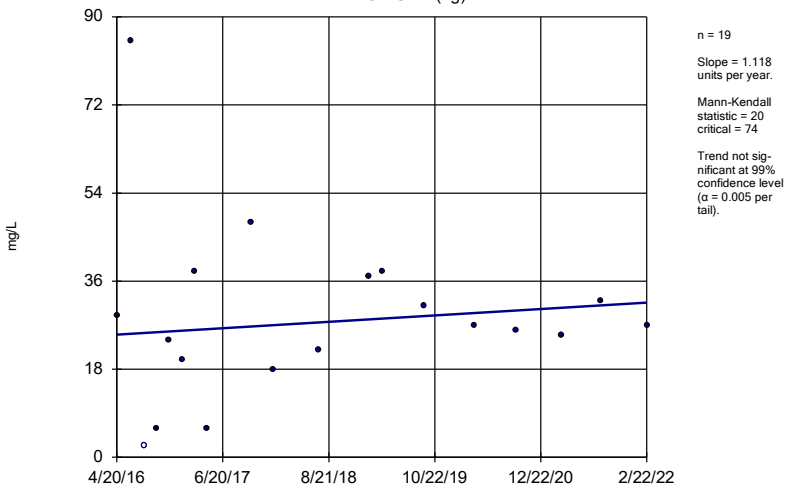
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-17 (bg)



n = 19

Slope = 1.118 units per year.

Mann-Kendall statistic = 20 critical = 74

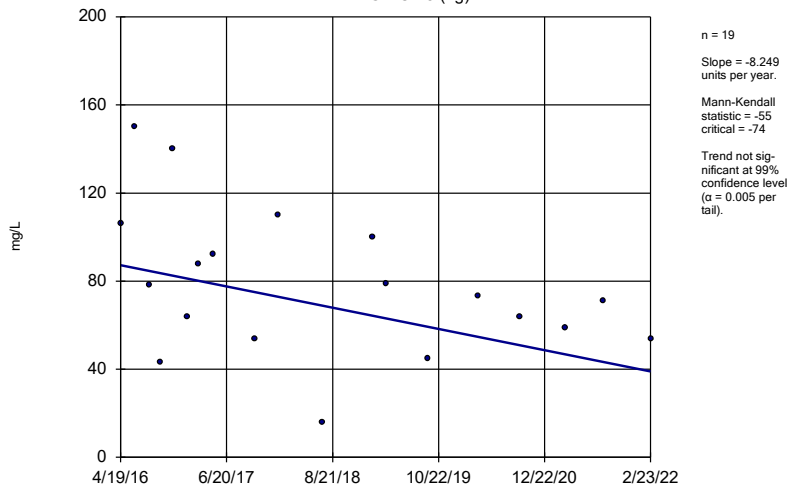
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-18 (bg)



n = 19

Slope = -8.249 units per year.

Mann-Kendall statistic = -55 critical = -74

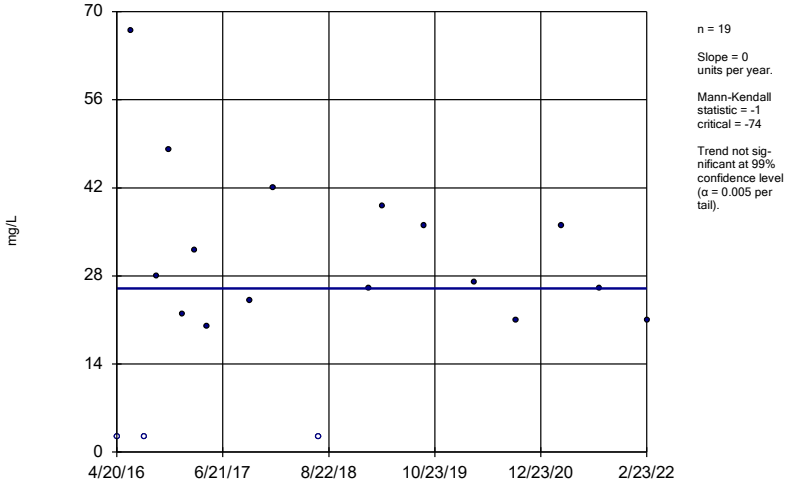
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4A (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -1 critical = -74

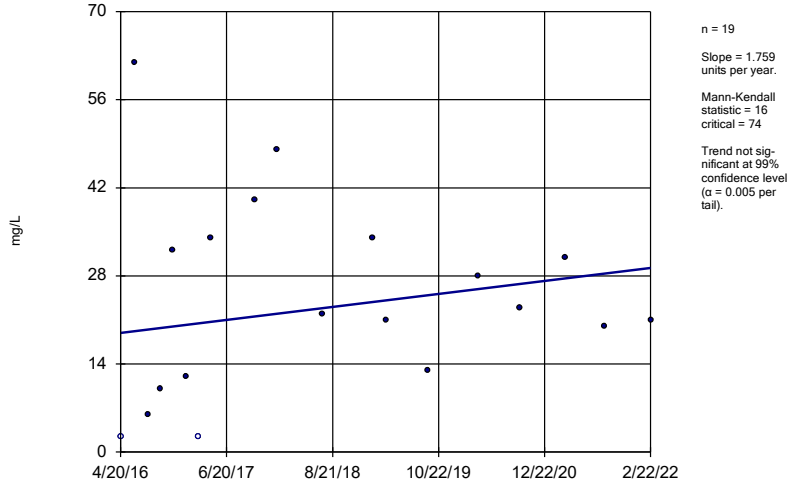
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-5 (bg)



n = 19

Slope = 1.759 units per year.

Mann-Kendall statistic = 16 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 4:45 PM View: Appendix III - Interwell Upgradie
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

FIGURE G.

Appendix I Intrawell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	**GWA-2**	**0.001**	**n/a**	**2/22/2022**	**0.0054**	**Yes**	**44**	**n/a**	**n/a**	**97.73**	**n/a**	**n/a**	**0.0009963**	**NP Intra (NDs) 1 of 2**
Zinc (mg/L)	**GWA-16**	**0.006209**	**n/a**	**2/22/2022**	**0.0076**	**Yes**	**17**	**0.003746**	**0.0009541**	**41.18**	**Kaplan-Meier**	**No**	**0.0003901**	**Param Intra 1 of 2**
Zinc (mg/L)	**GWC-23**	**0.01473**	**n/a**	**2/23/2022**	**0.017**	**Yes**	**12**	**0.07662**	**0.01557**	**33.33**	**Kaplan-Meier**	**sqrt(x)**	**0.0003901**	**Param Intra 1 of 2**

Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 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	2/22/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-14	0.002	n/a	2/22/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-2	0.002	n/a	2/22/2022	0.002ND	No	44	n/a	n/a	97.73	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-3	0.0022	n/a	2/22/2022	0.002ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.002	n/a	2/23/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-13	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-14	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-16	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3	0.0011	n/a	2/22/2022	0.001ND	No	43	n/a	n/a	93.02	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-1	0.001	n/a	2/23/2022	0.001ND	No	44	n/a	n/a	97.73	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-10	0.0013	n/a	2/23/2022	0.00048J	No	44	n/a	n/a	79.55	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	2/23/2022	0.0013	No	44	n/a	n/a	59.09	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-12	0.0011	n/a	2/23/2022	0.001ND	No	44	n/a	n/a	90.91	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-15	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.001599	n/a	2/23/2022	0.00098J	No	23	0.0008505	0.0003091	26.09	Kaplan-Meier	No	0.0003901	Param Intra 1 of 2
Arsenic (mg/L)	GWC-19	0.001	n/a	2/23/2022	0.00028J	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21	0.0022	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23	0.0021	n/a	2/23/2022	0.001ND	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4A	0.0027	n/a	2/23/2022	0.00035J	No	44	n/a	n/a	75	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-5	0.0027	n/a	2/22/2022	0.001ND	No	46	n/a	n/a	93.48	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.001	n/a	2/23/2022	0.001ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-13	0.03	n/a	2/22/2022	0.019	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-14	0.018	n/a	2/22/2022	0.014	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-16	0.039	n/a	2/22/2022	0.026	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-2	0.03951	n/a	2/22/2022	0.038	No	21	0.001061	0.000203	0	None	x^2	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-3	0.02824	n/a	2/22/2022	0.015	No	41	0.1253	0.01911	0	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-1	0.05868	n/a	2/23/2022	0.039	No	26	0.04082	0.007541	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.04584	n/a	2/23/2022	0.018	No	44	-3.805	0.3247	0	None	ln(x)	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.026	n/a	2/23/2022	0.01	No	43	n/a	n/a	0	n/a	n/a	0.001037	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-12	0.016	n/a	2/23/2022	0.01	No	44	n/a	n/a	0	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-15	0.0298	n/a	2/22/2022	0.026	No	23	0.02488	0.002035	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-17	0.021	n/a	2/22/2022	0.019	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-18	0.02733	n/a	2/23/2022	0.012	No	16	0.01725	0.003856	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-19	0.02234	n/a	2/23/2022	0.01	No	18	0.0143	0.003157	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.02816	n/a	2/22/2022	0.018	No	17	0.02041	0.003001	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-21	0.02892	n/a	2/23/2022	0.02	No	23	0.1356	0.01422	0	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-23	0.05222	n/a	2/23/2022	0.024	No	11	0.02973	0.007511	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-4A	0.03912	n/a	2/23/2022	0.015	No	44	0.02332	0.007101	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-5	0.07111	n/a	2/22/2022	0.041	No	26	0.04259	0.01205	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-9	0.03659	n/a	2/23/2022	0.026	No	44	0.02483	0.005288	0	None	No	0.0003901	Param Intra 1 of 2
Beryllium (mg/L)	GWA-13	0.0025	n/a	2/22/2022	0.0025ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-14	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-16	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-2	0.0025	n/a	2/22/2022	0.0025ND	No	44	n/a	n/a	86.36	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-3	0.0025	n/a	2/22/2022	0.0025ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-1	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	79.55	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-10	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-11	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-12	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	81.82	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-15	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-17	0.001	n/a	2/22/2022	0.00078J	No	22	n/a	n/a	0	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-18	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19	0.0025	n/a	2/23/2022	0.00031J	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-21	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-23	0.0025	n/a	2/23/2022	0.0025ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-4A	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	90.91	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-5	0.0025	n/a	2/22/2022	0.0025ND	No	46	n/a	n/a	93.48	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-9	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	90.91	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-13	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-14	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-16	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-17	0.0008068	n/a	2/22/2022	0.00064J	No	23	0.0005767	0.00009507	0	None	No	0.0003901	Param Intra 1 of 2
Cadmium (mg/L)	GWC-18	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-19	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-20	0.0025	n/a	2/22/2022	0.0025ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-23	0.0025	n/a	2/23/2022	0.0025ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-4A	0.0025	n/a	2/23/2022	0.00024J	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-13	0.0094	n/a	2/22/2022	0.002ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-14	0.0047	n/a	2/22/2022	0.002ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-16	0.024	n/a	2/22/2022	0.0015J	No	22	n/a	n/a	36.36	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-2	0.003313	n/a	2/22/2022	0.0018J	No	43	0.03944	0.008126	20.93	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWA-3	0.003714	n/a	2/22/2022	0.002ND	No	43	-6.638	0.4673	34.88	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWC-1	0.005	n/a	2/23/2022	0.002ND	No	44	n/a	n/a	40.91	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-10	0.01	n/a	2/23/2022	0.0031	No	44	n/a	n/a	20.45	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-11	0.01042	n/a	2/23/2022	0.005	No	44	0.005738	0.002105	2.273	None	No	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.01	n/a	2/23/2022	0.0016J	No	44	n/a	n/a	18.18	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-15	0.0051	n/a	2/22/2022	0.002ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17	0.01	n/a	2/22/2022	0.003	No	22	n/a	n/a	22.73	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-18	0.006324	n/a	2/23/2022	0.0025	No	22	-6.022	0.3929	0	None	ln(x)	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWC-19	0.0056	n/a	2/23/2022	0.0016J	No	22	n/a	n/a	13.64	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-20	0.005	n/a	2/22/2022	0.002ND	No	22	n/a	n/a	81.82	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.0044	n/a	2/23/2022	0.002ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23	0.004	n/a	2/23/2022	0.0028	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-4A	0.0096	n/a	2/23/2022	0.002ND	No	44	n/a	n/a	70.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-5	0.0054	n/a	2/22/2022	0.002ND	No	45	n/a	n/a	68.89	n/a	n/a	0.0009557	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.0043	n/a	2/23/2022	0.002ND	No	43	n/a	n/a	67.44	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-13	0.001556	n/a	2/22/2022	0.00052J	No	23	-7.415	0.3922	17.39	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWA-14	0.0025	n/a	2/22/2022	0.00042J	No	23	n/a	n/a	39.13	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-16	0.0025	n/a	2/22/2022	0.00048J	No	23	n/a	n/a	13.04	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-2	0.01	n/a	2/22/2022	0.0015J	No	44	n/a	n/a	47.73	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-3	0.0025	n/a	2/22/2022	0.00037J	No	43	n/a	n/a	79.07	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-1	0.0025	n/a	2/23/2022	0.0017J	No	44	n/a	n/a	45.45	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-10	0.0025	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11	0.0071	n/a	2/23/2022	0.0025ND	No	44	n/a	n/a	81.82	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-12	0.005	n/a	2/23/2022	0.00049J	No	43	n/a	n/a	48.84	n/a	n/a	0.001037	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-15	0.0025	n/a	2/22/2022	0.00051J	No	23	n/a	n/a	17.39	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-17	0.002151	n/a	2/22/2022	0.0025ND	No	23	0.02623	0.008328	17.39	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-18	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-19	0.0025	n/a	2/23/2022	0.0025ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-20	0.003273	n/a	2/22/2022	0.0009J	No	17	0.001572	0.0006589	0	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-21	0.002693	n/a	2/23/2022	0.00079J	No	22	0.001493	0.0004917	9.091	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-23	0.01076	n/a	2/23/2022	0.0026	No	18	0.005633	0.002013	0	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWA-4A	0.013	n/a	2/23/2022	0.0013J	No	44	n/a	n/a	50	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-5	0.011	n/a	2/22/2022	0.00076J	No	46	n/a	n/a	43.48	n/a	n/a	0.0009151	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-9	0.0055	n/a	2/23/2022	0.00064J	No	44	n/a	n/a	50	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Copper (mg/L)	GWA-13	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-14	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-16	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.003	n/a	2/22/2022	0.002ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3	0.0034	n/a	2/22/2022	0.002ND	No	37	n/a	n/a	86.49	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-1	0.002	n/a	2/23/2022	0.002ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0027	n/a	2/23/2022	0.002ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.002	n/a	2/23/2022	0.002ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-15	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-17	0.0021	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.0021	n/a	2/23/2022	0.002ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-19	0.002	n/a	2/23/2022	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.002	n/a	2/22/2022	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21	0.002	n/a	2/23/2022	0.002ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23	0.002	n/a	2/23/2022	0.002ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4A	0.0051	n/a	2/23/2022	0.0012J	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-5	0.0021	n/a	2/22/2022	0.002ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.0021	n/a	2/23/2022	0.002ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-13	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-14	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-16	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	**GWA-2**	**0.001**	**n/a**	**2/22/2022**	**0.0054**	**Yes**	**44**	**n/a**	**n/a**	**97.73**	**n/a**	**n/a**	**0.0009963**	**NP Intra (NDs) 1 of 2**
Lead (mg/L)	GWC-11	0.001	n/a	2/23/2022	0.00017J	No	44	n/a	n/a	90.91	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	2/23/2022	0.00026J	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.001	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23	0.001	n/a	2/23/2022	0.001ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4A	0.001	n/a	2/23/2022	0.00019J	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-5	0.001	n/a	2/22/2022	0.001ND	No	46	n/a	n/a	91.3	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-13	0.001	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-14	0.001	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.0043	n/a	2/22/2022	0.00092J	No	38	n/a	n/a	73.68	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-3	0.001	n/a	2/22/2022	0.001ND	No	36	n/a	n/a	88.89	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0025	n/a	2/23/2022	0.0012	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.0013	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0049	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.0057	n/a	2/23/2022	0.0011	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.001	n/a	2/22/2022	0.00061J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-17	0.004232	n/a	2/22/2022	0.0017	No	17	0.04658	0.007156	5.882	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.0025	n/a	2/23/2022	0.001	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-19	0.002989	n/a	2/23/2022	0.0011	No	17	0.001765	0.0004743	5.882	None	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-20	0.006632	n/a	2/22/2022	0.00092J	No	17	0.002119	0.001748	29.41	Kaplan-Meier	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-21	0.0025	n/a	2/23/2022	0.00071J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23	0.003189	n/a	2/23/2022	0.0013	No	12	0.001522	0.0005802	16.67	Kaplan-Meier	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWA-4A	0.0072	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-5	0.0031	n/a	2/22/2022	0.001ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.0033	n/a	2/23/2022	0.00076J	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-13	0.005	n/a	2/22/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-16	0.005	n/a	2/22/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2	0.005	n/a	2/22/2022	0.005ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-3	0.005	n/a	2/22/2022	0.005ND	No	44	n/a	n/a	88.64	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-1	0.005	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.005	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	95.45	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-11	0.005	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	86.36	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-15	0.005	n/a	2/22/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-18	0.005	n/a	2/23/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-19	0.005	n/a	2/23/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-20	0.005	n/a	2/22/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.005	n/a	2/23/2022	0.005ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4A	0.005	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-5	0.005	n/a	2/22/2022	0.005ND	No	45	n/a	n/a	97.78	n/a	n/a	0.0009557	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.0058	n/a	2/23/2022	0.005ND	No	44	n/a	n/a	97.73	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-11	0.001	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-13	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-14	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-16	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-2	0.001	n/a	2/22/2022	0.001ND	No	42	n/a	n/a	92.86	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-3	0.001	n/a	2/22/2022	0.001ND	No	42	n/a	n/a	95.24	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-10	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	92.86	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	92.86	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:13 PM

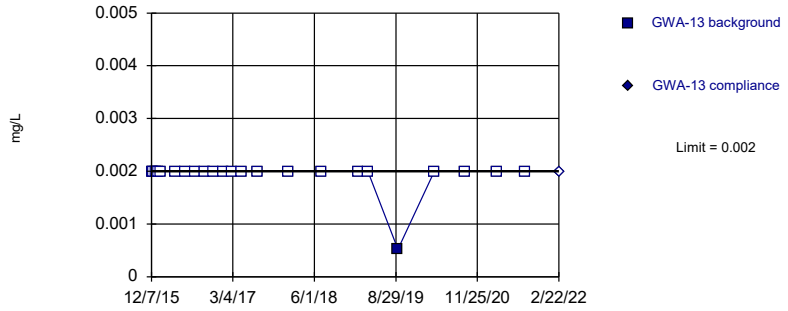
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	GWC-12	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	95.24	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-17	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	26.09	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-19	0.001	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-20	0.001	n/a	2/22/2022	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21	0.001	n/a	2/23/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-23	0.001	n/a	2/23/2022	0.001ND	No	18	n/a	n/a	66.67	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-4A	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	95.24	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-5	0.001	n/a	2/22/2022	0.001ND	No	44	n/a	n/a	97.73	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	2/23/2022	0.001ND	No	42	n/a	n/a	97.62	n/a	n/a	0.001077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-13	0.0027	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-14	0.002	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.0019	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.0051	n/a	2/22/2022	0.001	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3	0.005	n/a	2/22/2022	0.001ND	No	37	n/a	n/a	81.08	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-1	0.0032	n/a	2/23/2022	0.001ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.0027	n/a	2/23/2022	0.0011	No	36	n/a	n/a	72.22	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.0025	n/a	2/23/2022	0.0013	No	36	n/a	n/a	63.89	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.0015	n/a	2/23/2022	0.001ND	No	36	n/a	n/a	91.67	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0041	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17	0.004	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.007255	n/a	2/23/2022	0.0025	No	17	0.05511	0.01165	0	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Vanadium (mg/L)	GWC-19	0.0067	n/a	2/23/2022	0.00088J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-20	0.0074	n/a	2/22/2022	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.0058	n/a	2/23/2022	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23	0.009186	n/a	2/23/2022	0.001ND	No	12	-6.822	0.742	50	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Vanadium (mg/L)	GWA-4A	0.0033	n/a	2/23/2022	0.001ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-5	0.0035	n/a	2/22/2022	0.001ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.006	n/a	2/23/2022	0.001ND	No	37	n/a	n/a	86.49	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-13	0.0061	n/a	2/22/2022	0.005ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-14	0.024	n/a	2/22/2022	0.0054	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Zinc (mg/L)	**GWA-16**	**0.006209**	**n/a**	**2/22/2022**	**0.0076**	**Yes**	**17**	**0.003746**	**0.0009541**	**41.18**	**Kaplan-Meier**	**No**	**0.0003901**	**Param Intra 1 of 2**
Zinc (mg/L)	GWA-2	0.02	n/a	2/22/2022	0.0055	No	38	n/a	n/a	28.95	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-3	0.045	n/a	2/22/2022	0.005ND	No	37	n/a	n/a	48.65	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-1	0.015	n/a	2/23/2022	0.005ND	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.019	n/a	2/23/2022	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11	0.0089	n/a	2/23/2022	0.005ND	No	37	n/a	n/a	64.86	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.007519	n/a	2/23/2022	0.005ND	No	38	0.1521	0.01943	36.84	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWA-15	0.01172	n/a	2/22/2022	0.0057	No	17	-5.418	0.3761	35.29	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWC-17	0.02	n/a	2/22/2022	0.0046J	No	17	n/a	n/a	23.53	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.02397	n/a	2/23/2022	0.005ND	No	16	-5.62	0.7225	31.25	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWC-19	0.017	n/a	2/23/2022	0.005ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20	0.0084	n/a	2/22/2022	0.0034J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-21	0.0097	n/a	2/23/2022	0.004J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Zinc (mg/L)	**GWC-23**	**0.01473**	**n/a**	**2/23/2022**	**0.017**	**Yes**	**12**	**0.07662**	**0.01557**	**33.33**	**Kaplan-Meier**	**sqrt(x)**	**0.0003901**	**Param Intra 1 of 2**
Zinc (mg/L)	GWA-4A	0.0148	n/a	2/23/2022	0.005ND	No	37	0.1719	0.03256	24.32	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWA-5	0.022	n/a	2/22/2022	0.005ND	No	38	n/a	n/a	34.21	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.051	n/a	2/23/2022	0.005ND	No	38	n/a	n/a	63.16	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

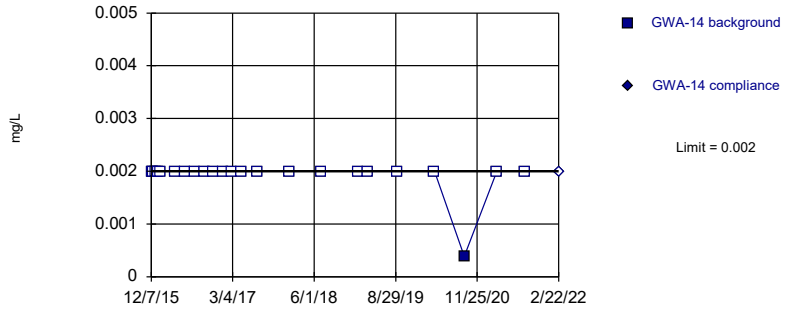
Constituent: Antimony Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

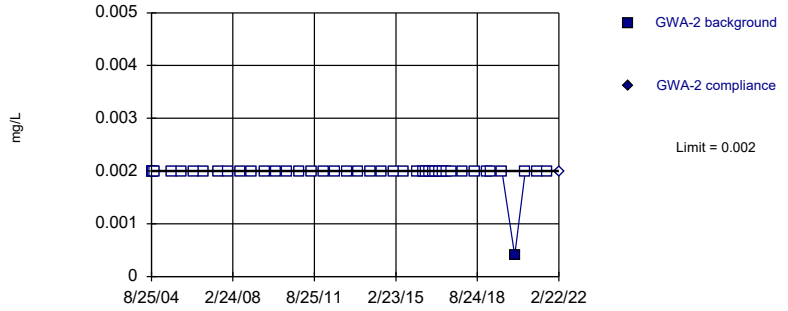
Constituent: Antimony Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 97.73% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

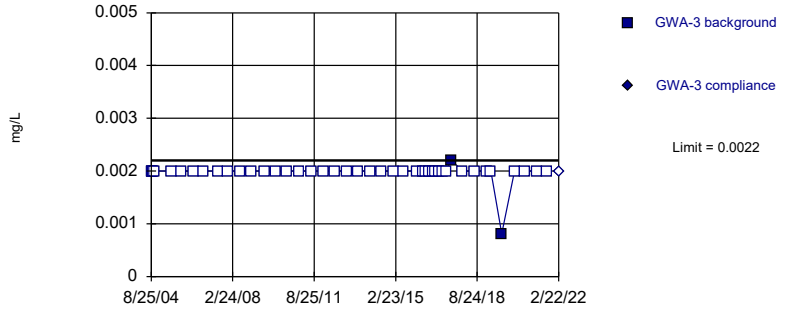
Constituent: Antimony Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



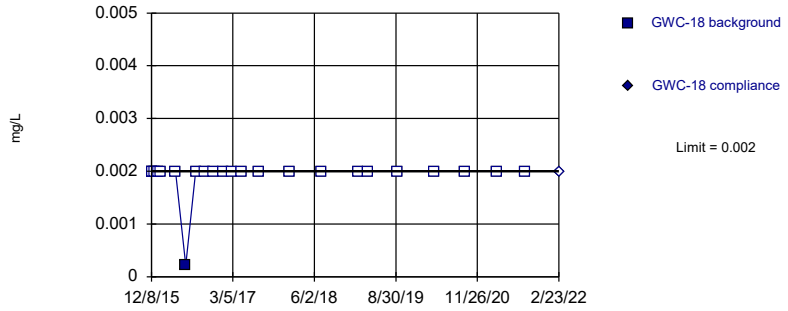
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Antimony Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



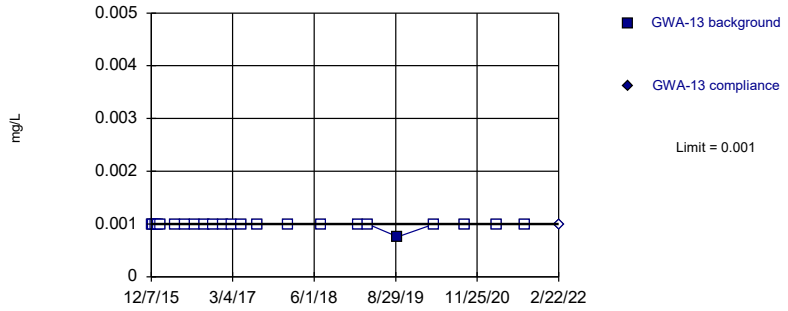
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Antimony Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



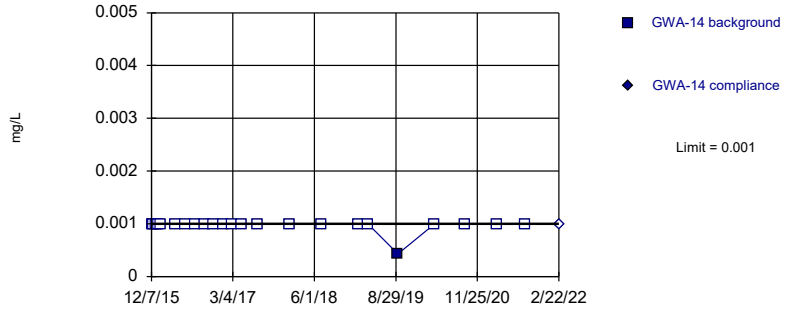
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



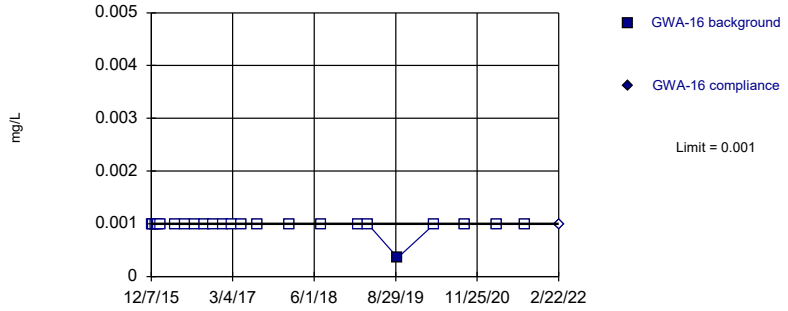
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

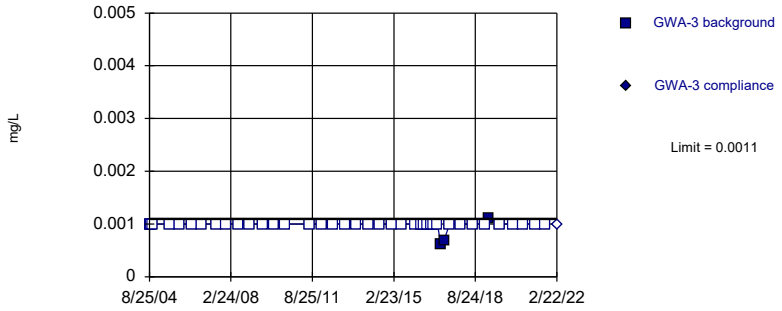
Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 43 background values. 93.02% NDs. Well-constituent pair annual alpha = 0.002073. Individual comparison alpha = 0.001037 (1 of 2).

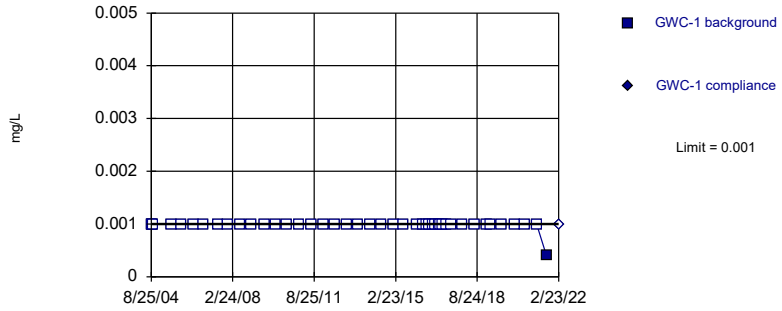
Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 97.73% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

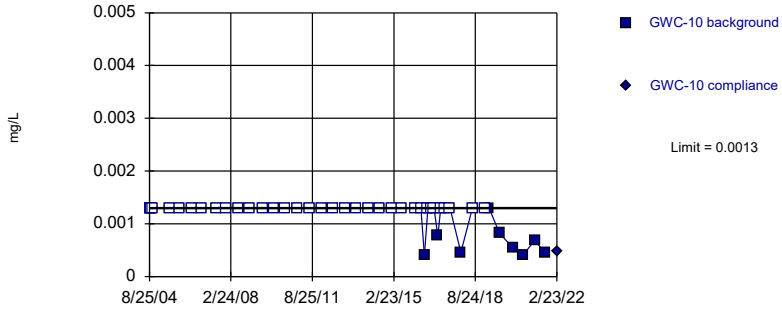
Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 79.55% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

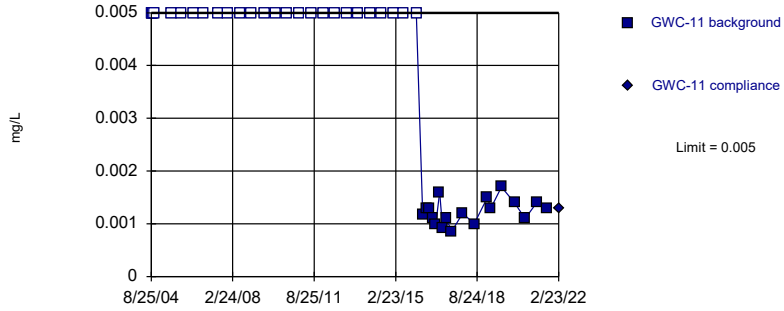
Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



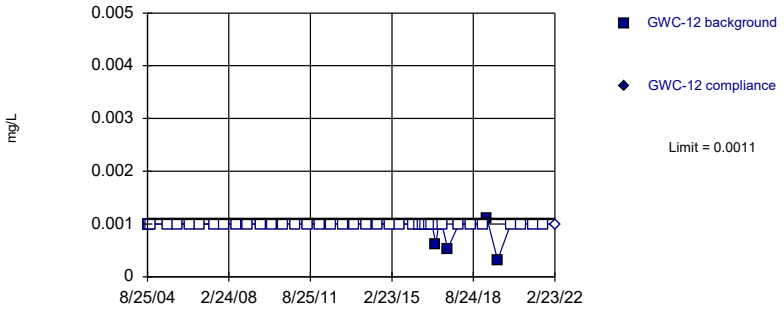
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



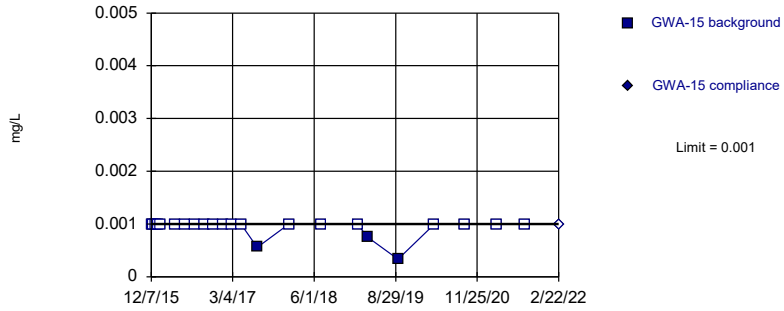
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



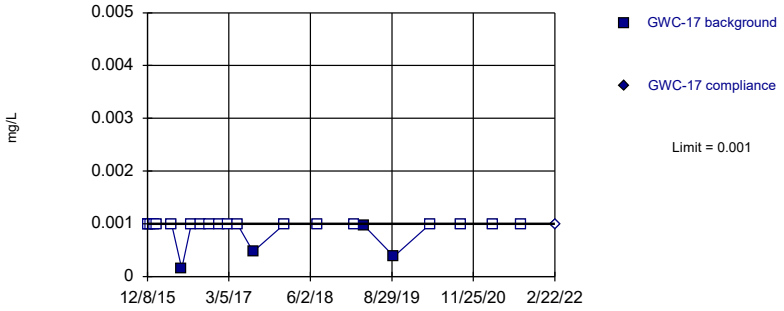
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



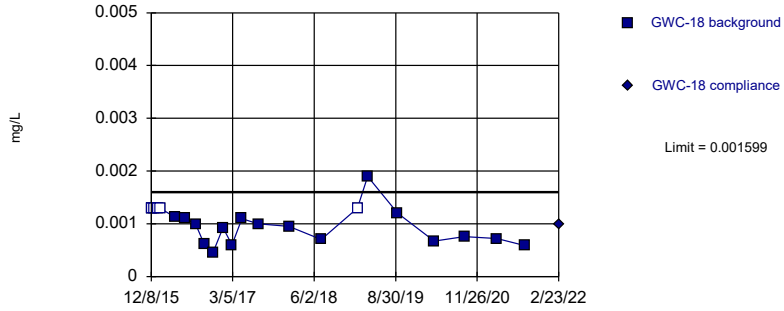
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0008505, Std. Dev.=0.0003091, n=23, 26.09% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9326, critical = 0.881. Kappa = 2.421 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

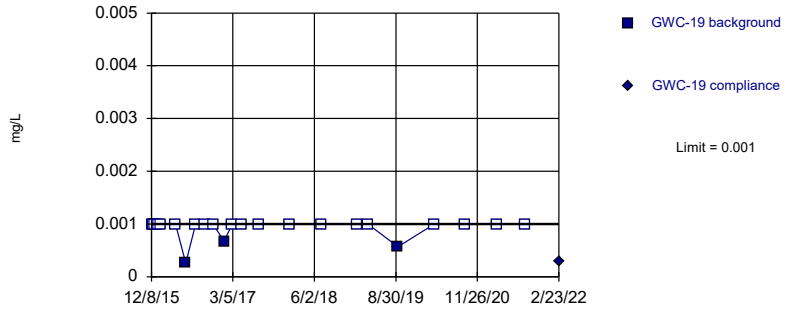
Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

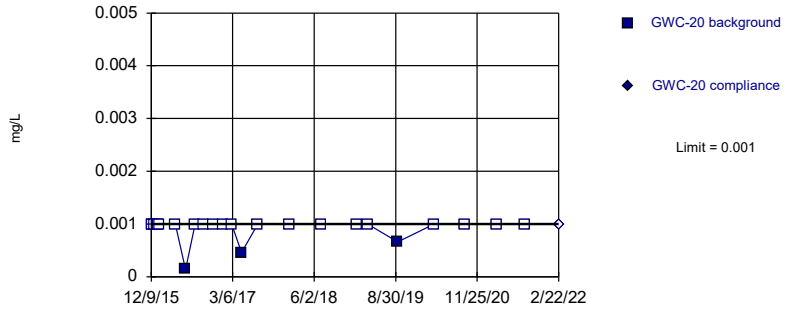
Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

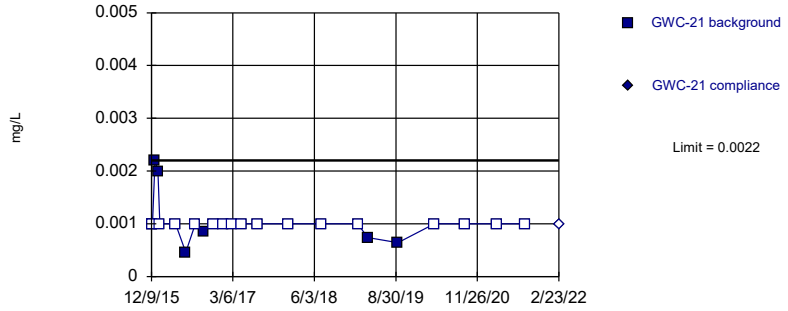
Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

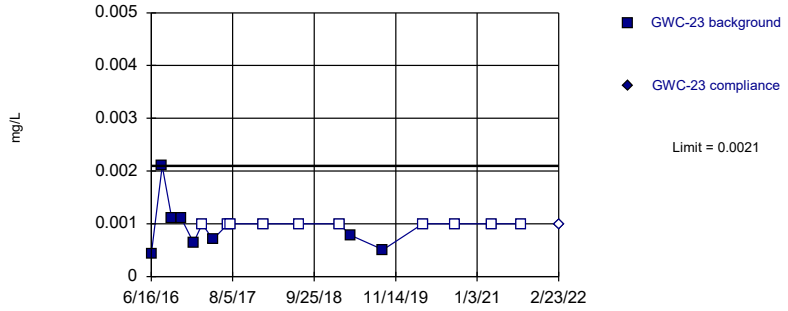
Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Arsenic Analysis Run 8/2/2022 5:02 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

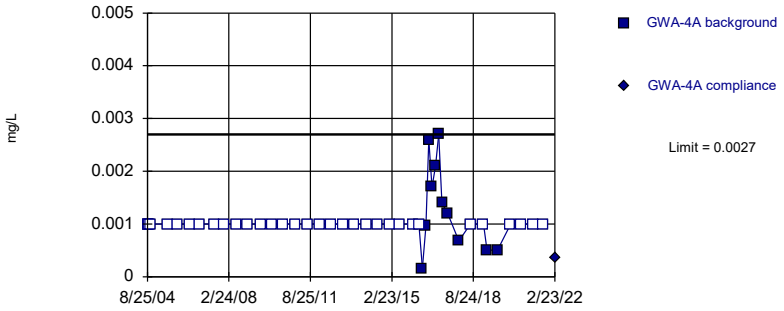
Constituent: Arsenic Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 75% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

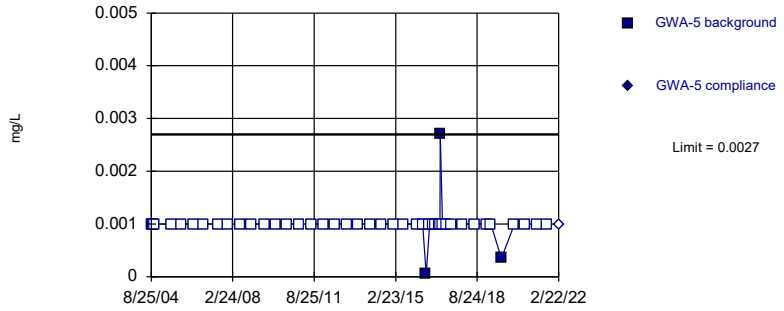
Constituent: Arsenic Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 46 background values. 93.48% NDs. Well-constituent pair annual alpha = 0.001829. Individual comparison alpha = 0.0009151 (1 of 2).

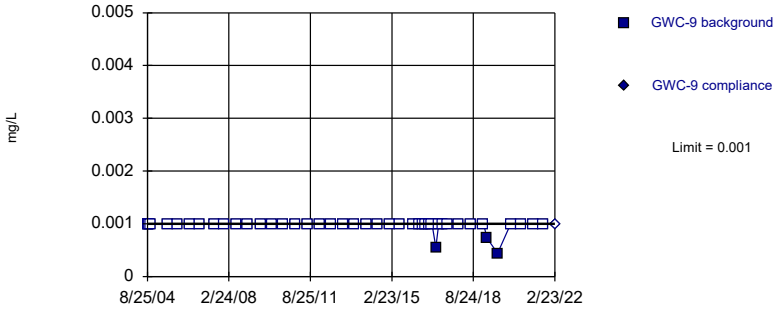
Constituent: Arsenic Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 93.18% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

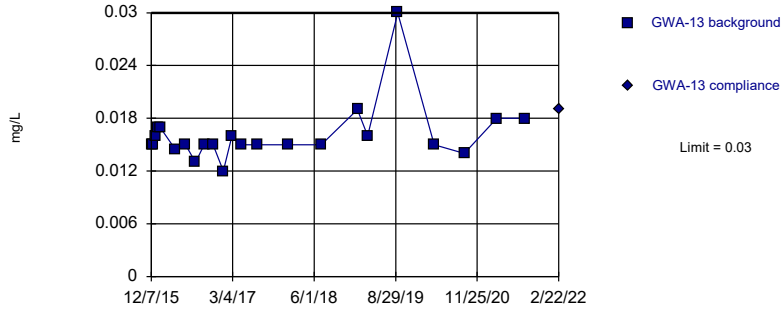
Constituent: Arsenic Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



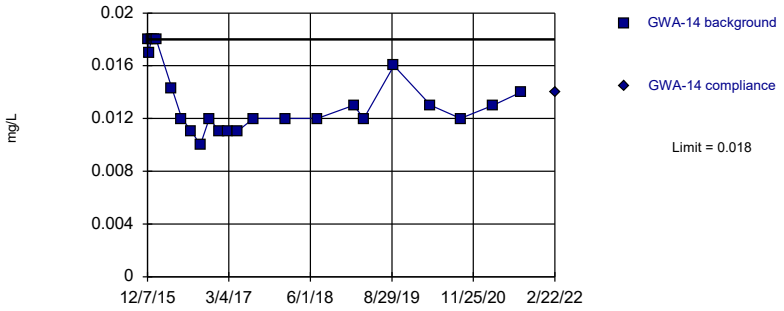
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
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 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

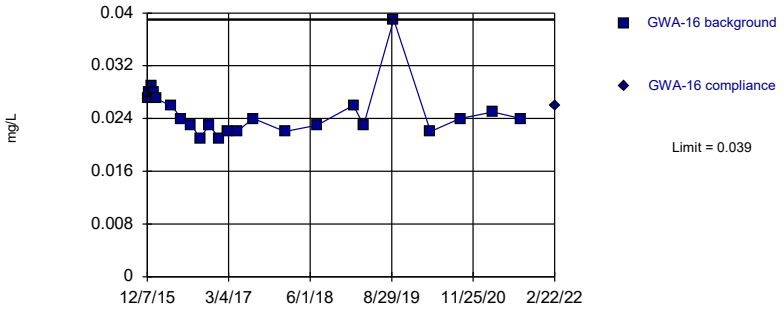
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

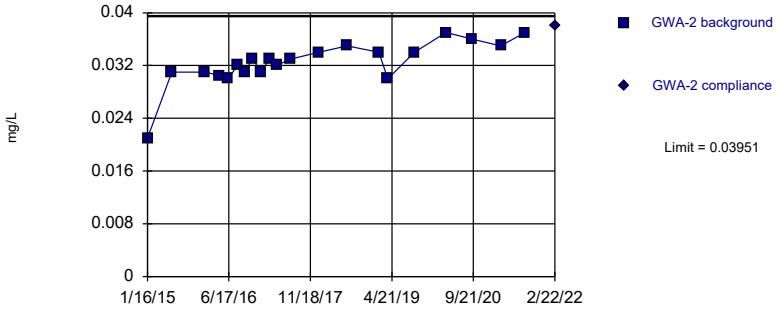
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.001061, Std. Dev.=0.000203, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8974, critical = 0.873. Kappa = 2.461 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

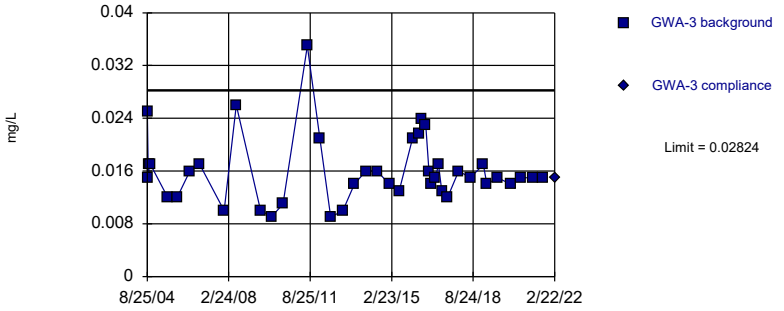
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



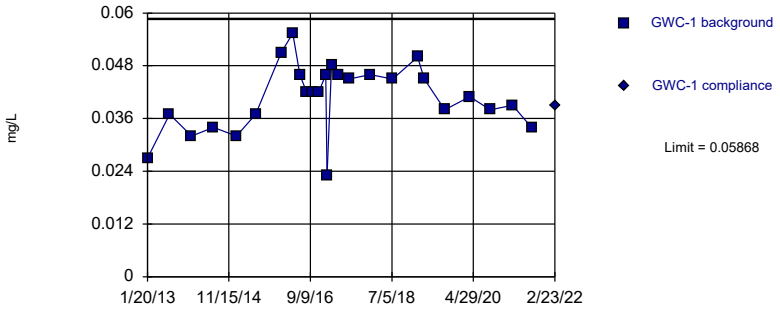
Background Data Summary (based on square root transformation): Mean=0.1253, Std. Dev.=0.01911, n=41. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9275, critical = 0.92. Kappa = 2.24 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04082, Std. Dev.=0.007541, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9747, critical = 0.891. Kappa = 2.368 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

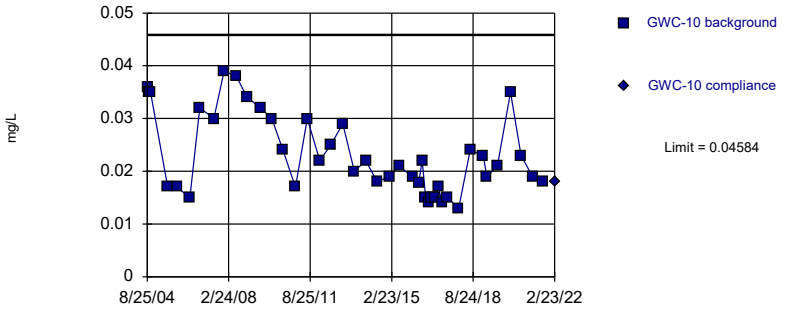
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.805, Std. Dev.=0.3247, n=44. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9255, critical = 0.924. Kappa = 2.225 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

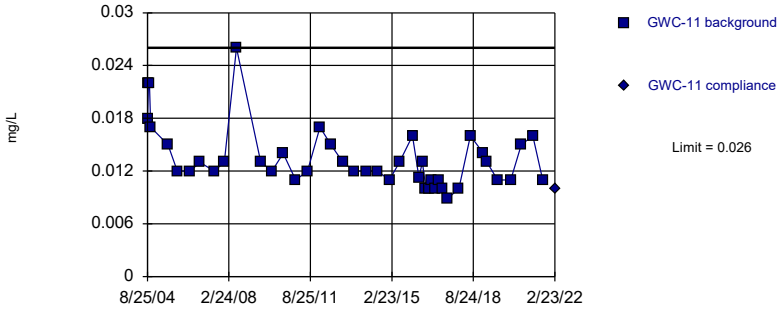
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 43 background values. Well-constituent pair annual alpha = 0.002073. Individual comparison alpha = 0.001037 (1 of 2).

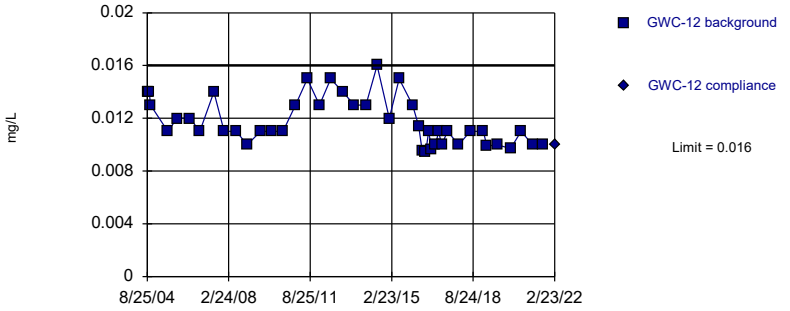
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



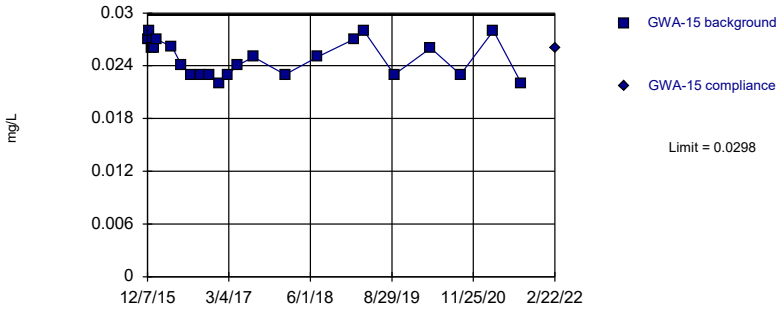
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02488, Std. Dev.=0.002035, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.881. Kappa = 2.421 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

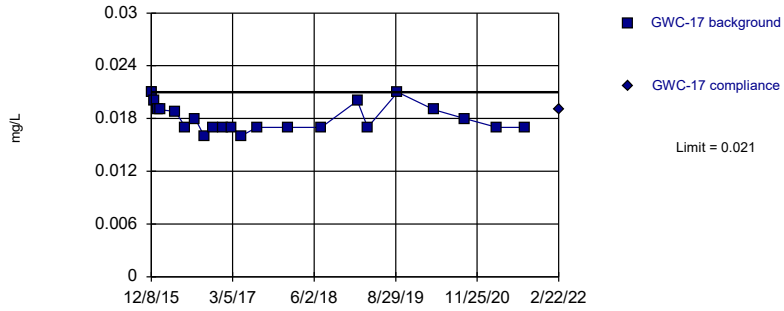
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

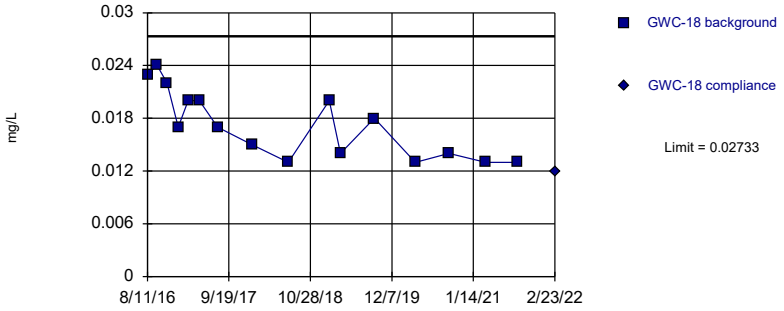
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01725, Std. Dev.=0.003856, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8949, critical = 0.844. Kappa = 2.615 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

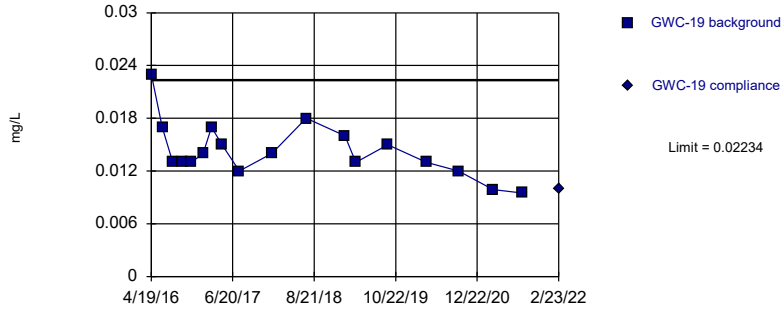
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



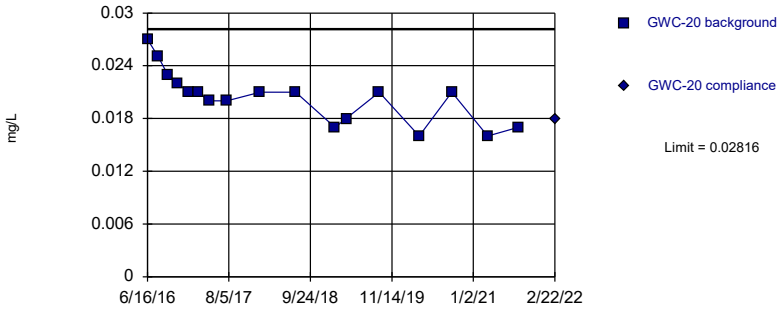
Background Data Summary: Mean=0.0143, Std. Dev.=0.003157, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9177, critical = 0.858. Kappa = 2.548 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02041, Std. Dev.=0.003001, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9287, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

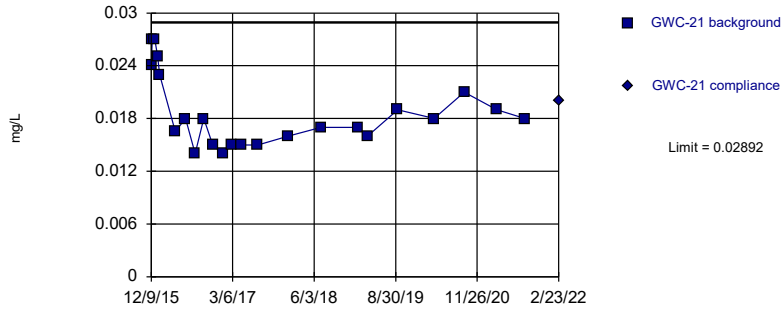
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.1356, Std. Dev.=0.01422, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.891, critical = 0.881. Kappa = 2.421 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

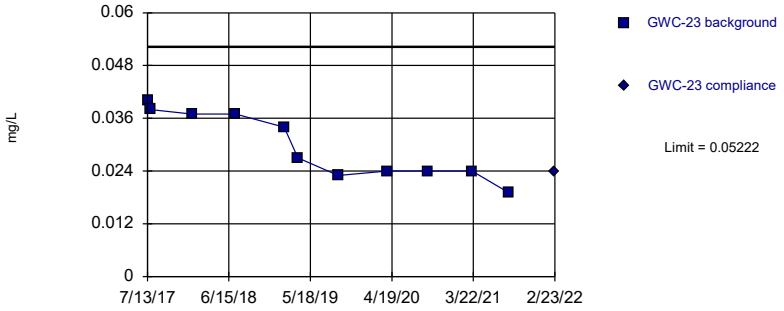
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02973, Std. Dev.=0.007511, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8755, critical = 0.792. Kappa = 2.994 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

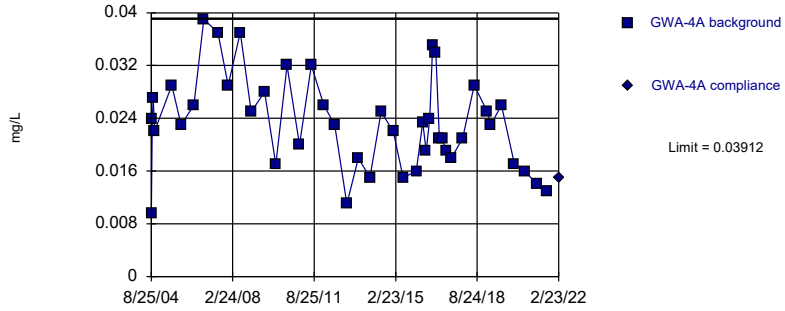
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02332, Std. Dev.=0.007101, n=44. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9744, critical = 0.924. Kappa = 2.225 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

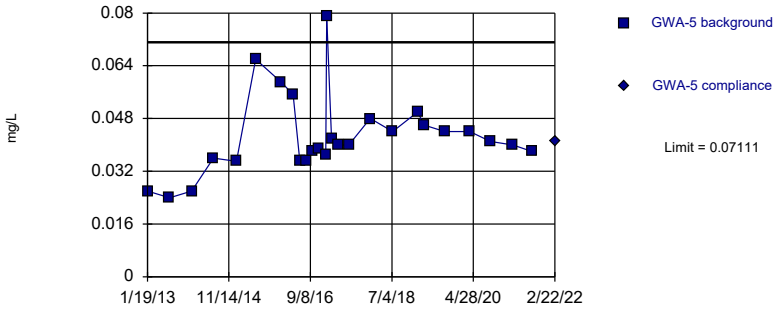
Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04259, Std. Dev.=0.01205, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8987, critical = 0.891. Kappa = 2.368 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell

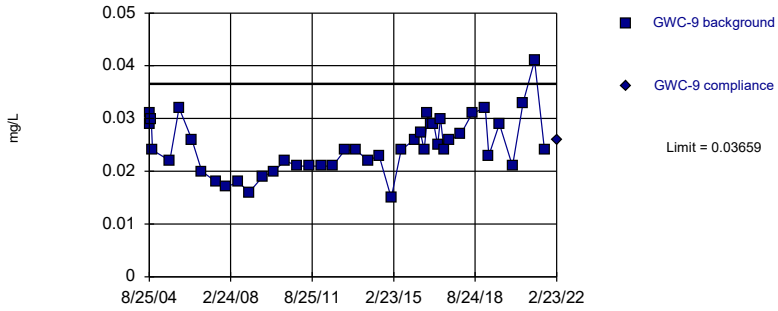
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02483, Std. Dev.=0.005288, n=44. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9689, critical = 0.924. Kappa = 2.225 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

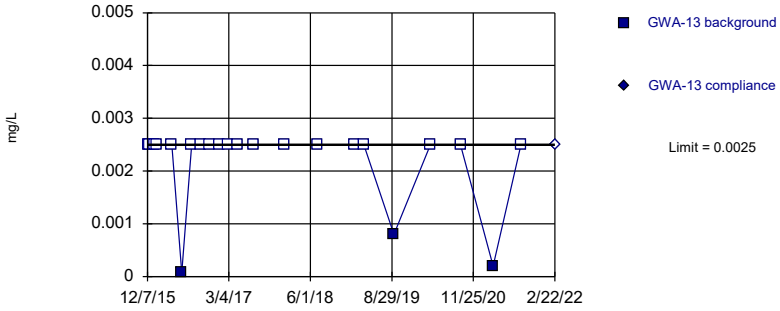
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

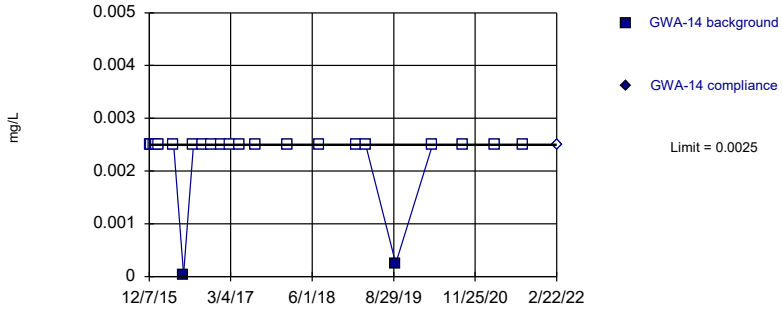
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell

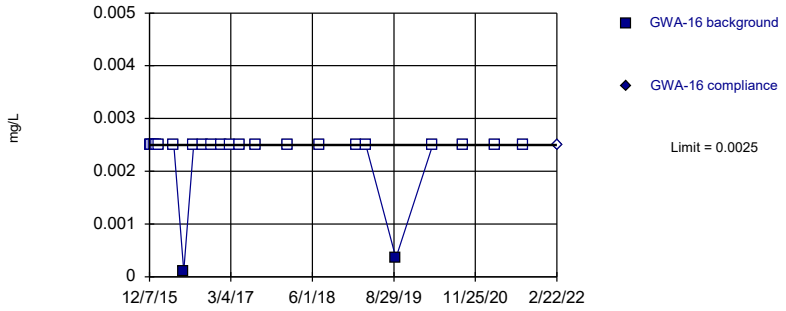
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

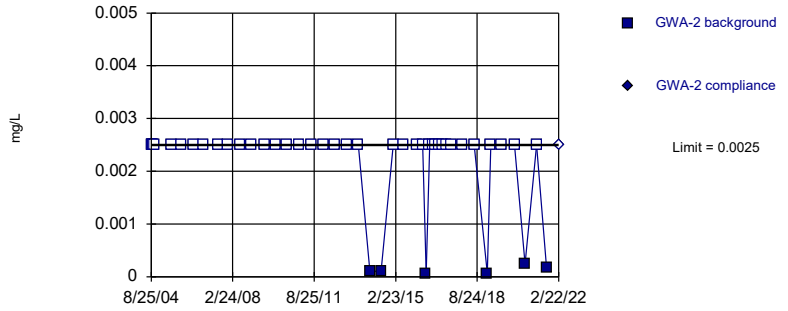
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

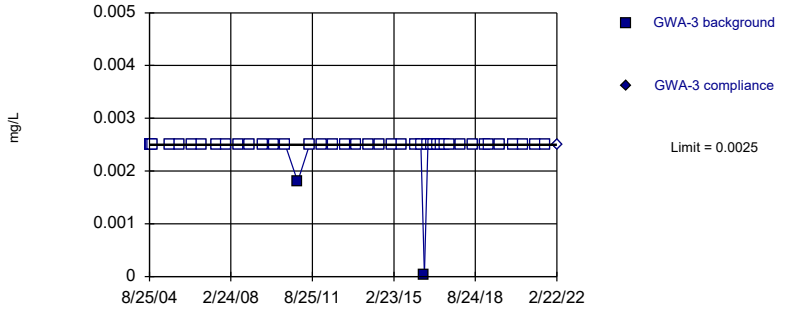
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

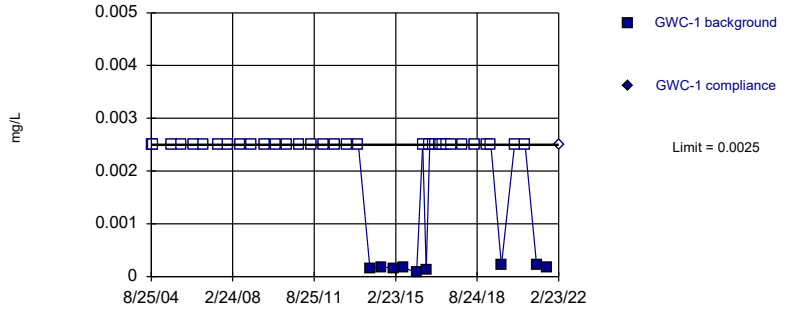
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 79.55% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

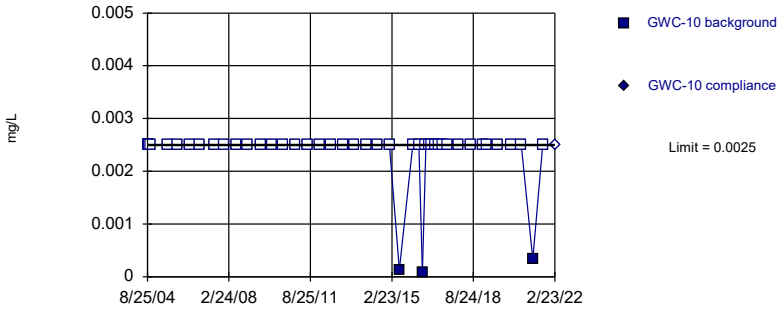
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 93.18% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

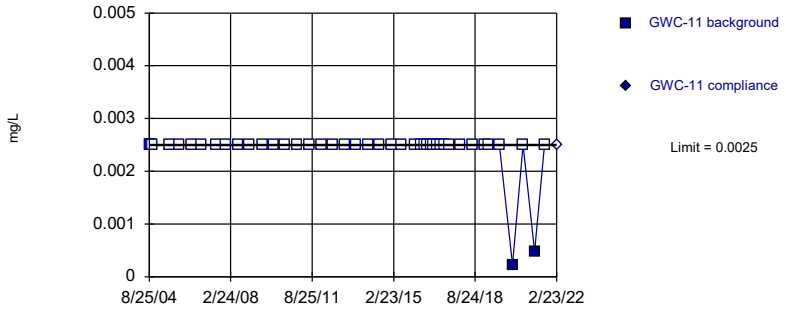
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

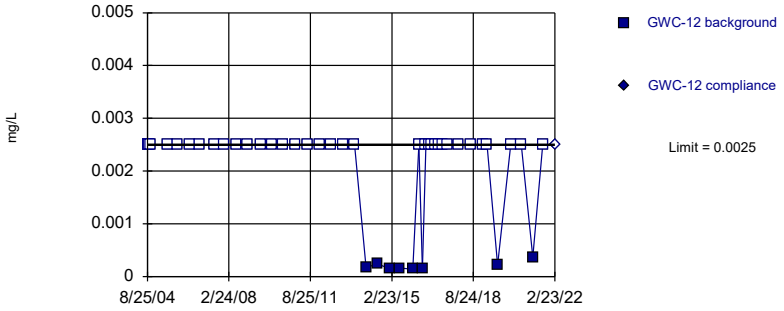
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

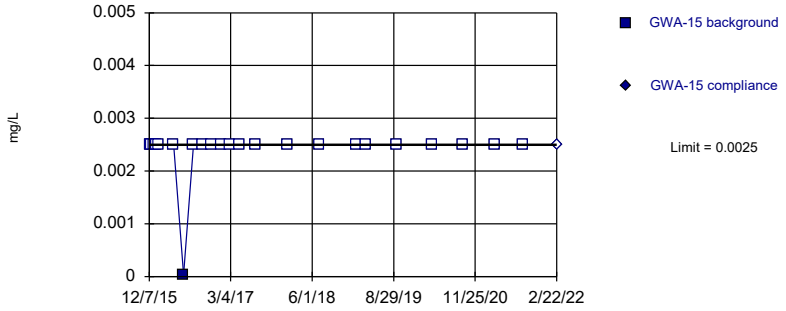
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

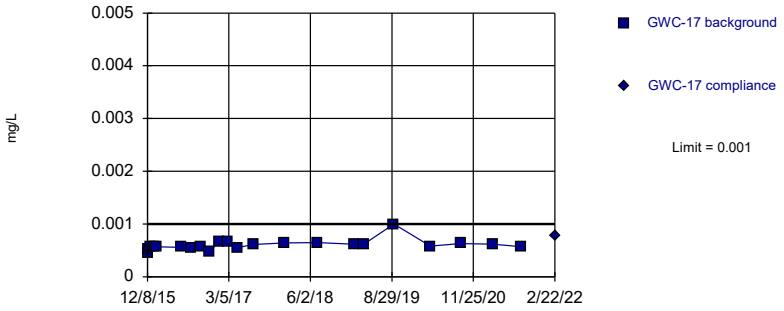
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

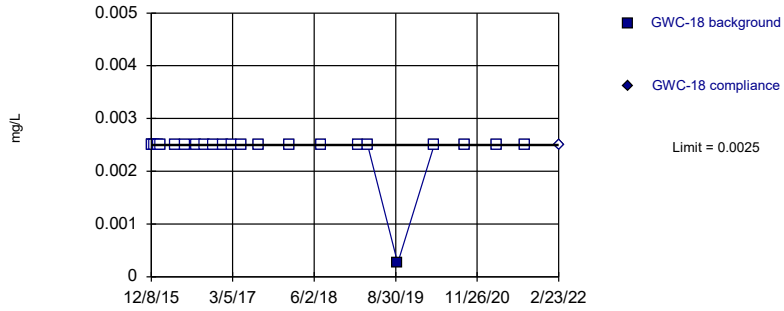
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

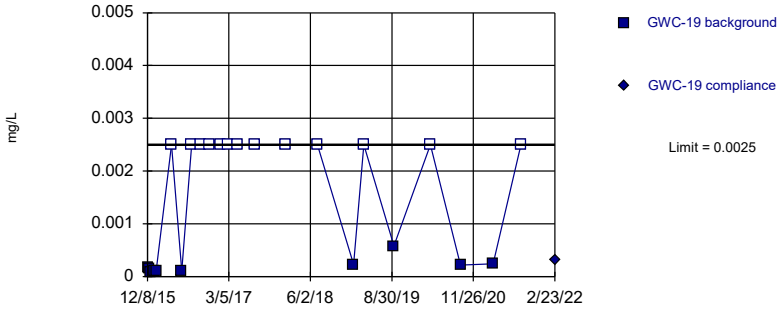
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

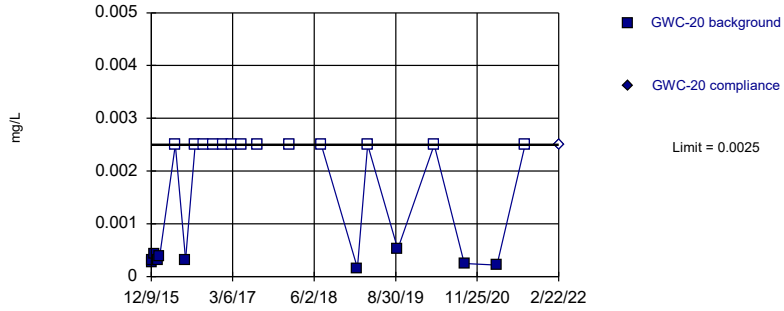
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

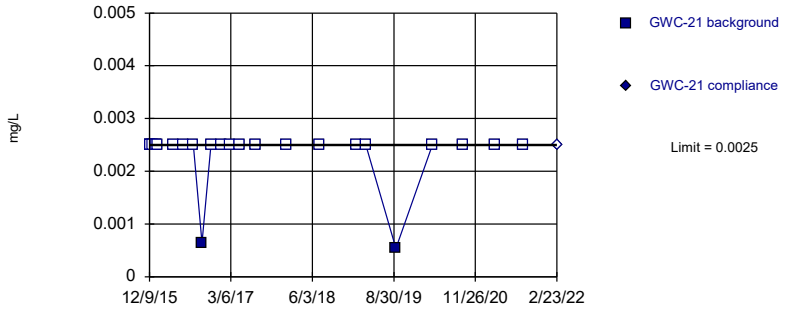
Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



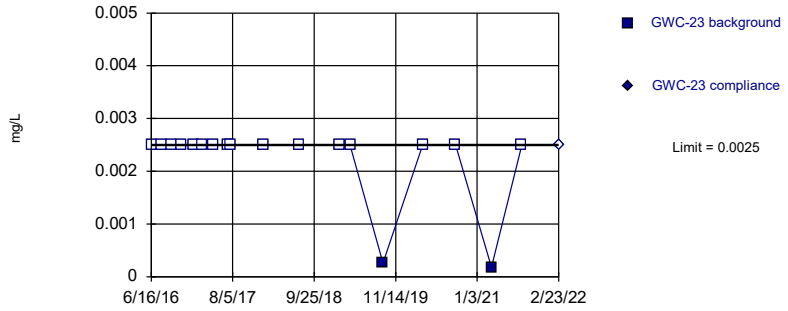
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



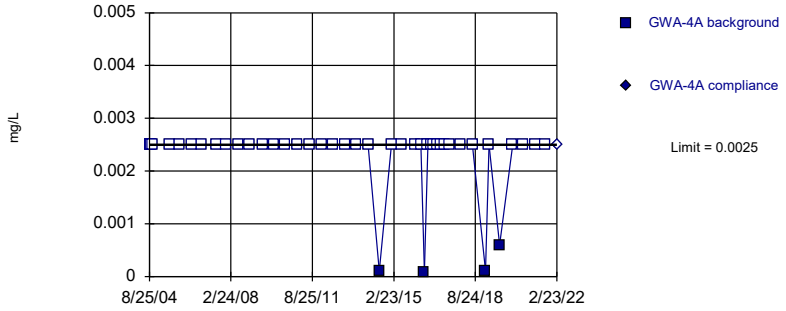
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



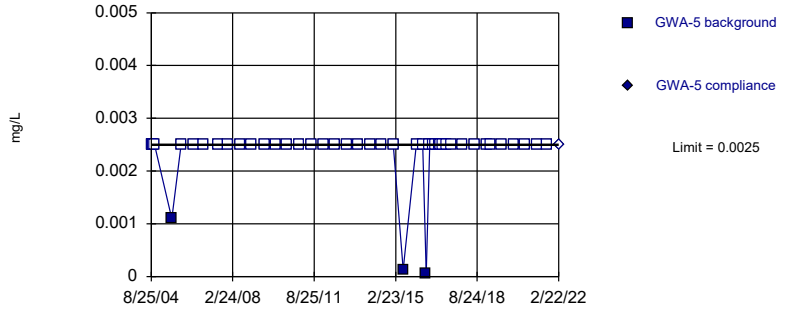
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



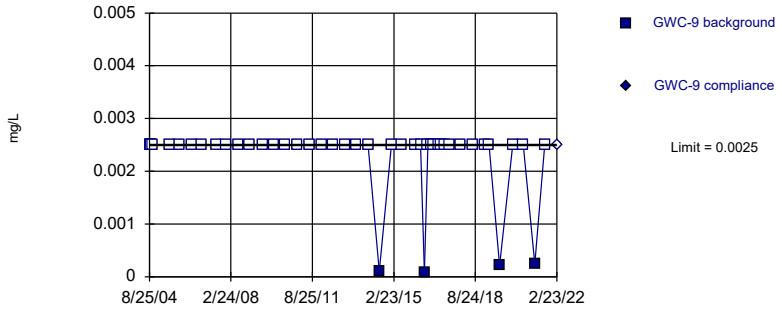
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 46 background values. 93.48% NDs. Well-constituent pair annual alpha = 0.001829. Individual comparison alpha = 0.0009151 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



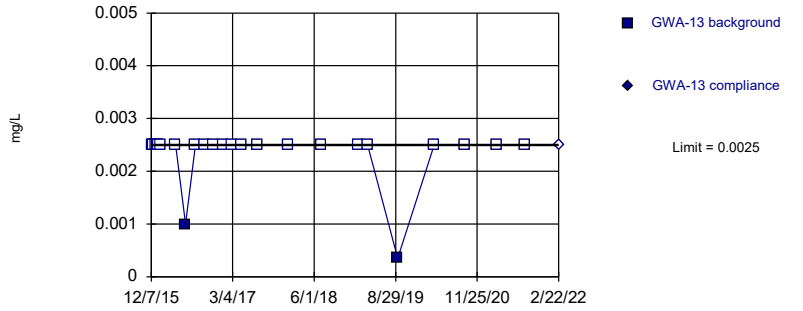
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Beryllium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



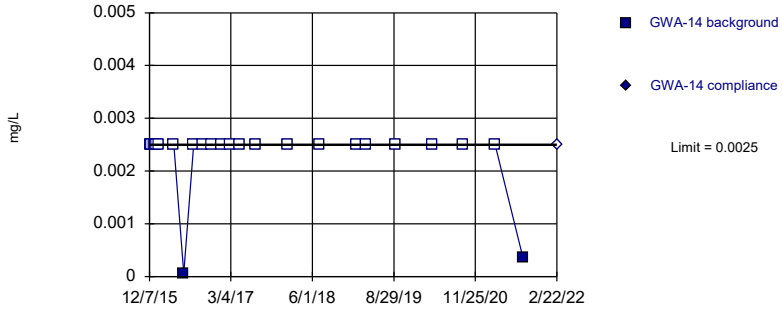
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



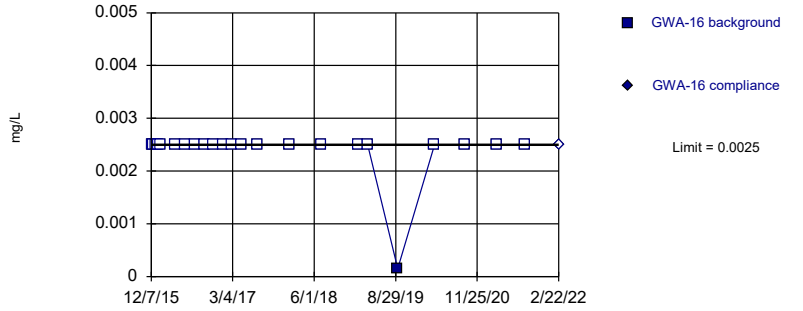
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



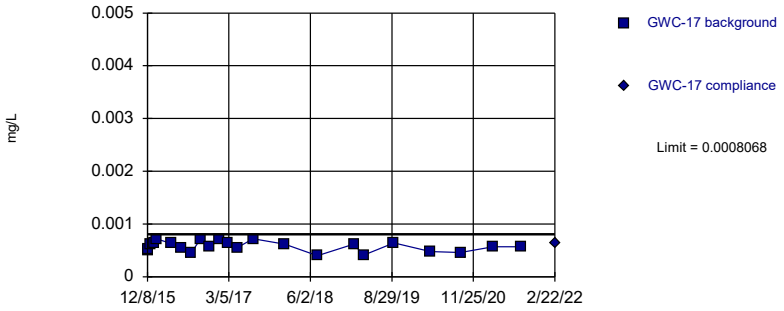
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0005767, Std. Dev.=0.00009507, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9537, critical = 0.881. Kappa = 2.421 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

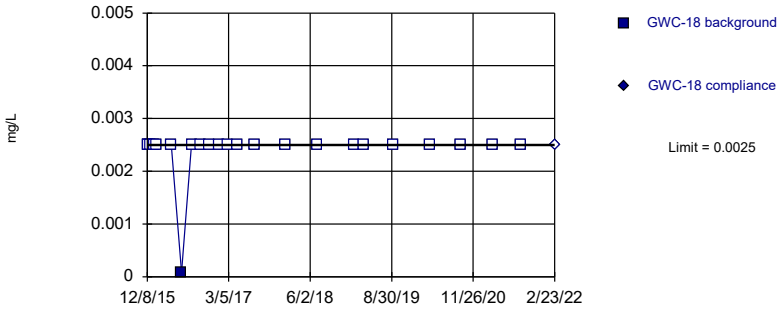
Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

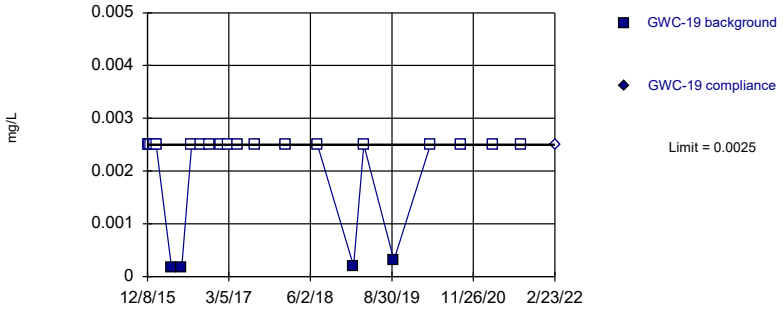
Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

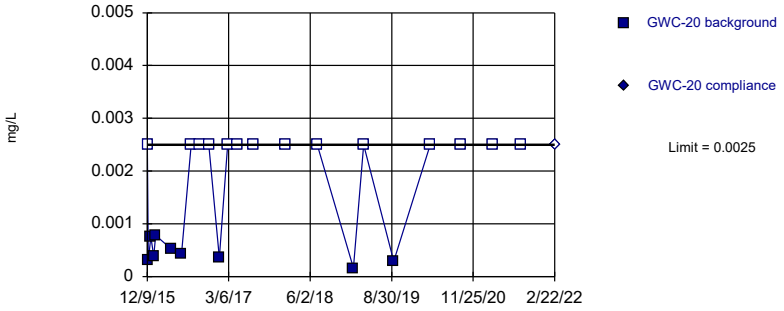
Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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 23 background values. 60.87% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

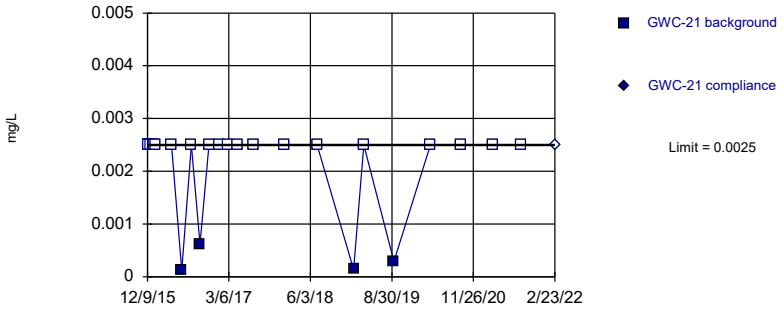
Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

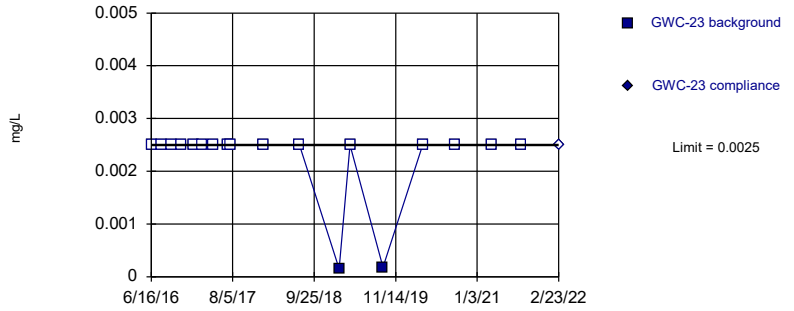
Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

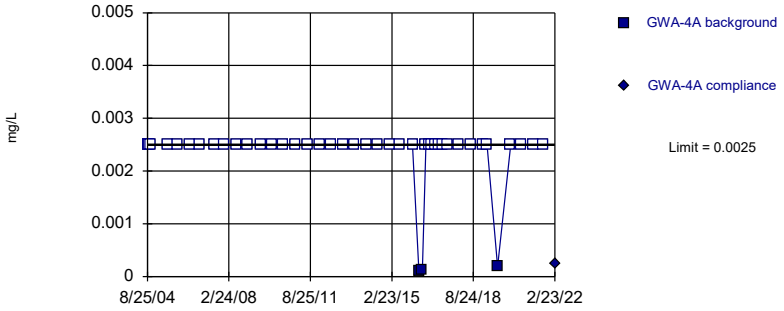
Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 93.18% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

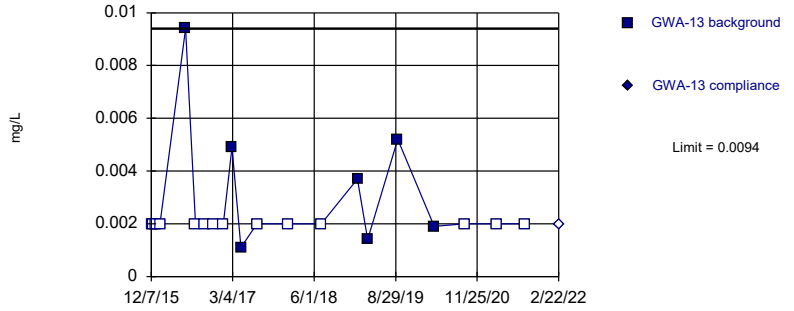
Constituent: Cadmium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

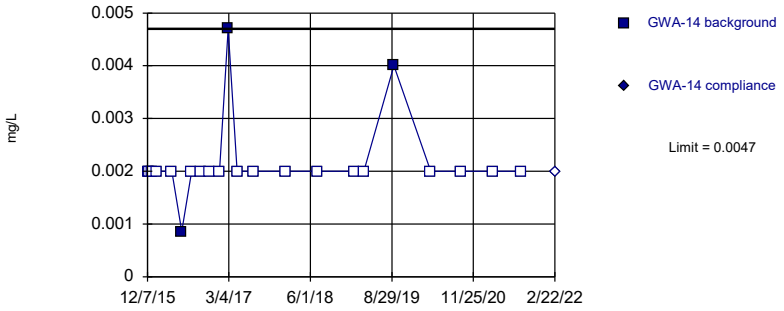
Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

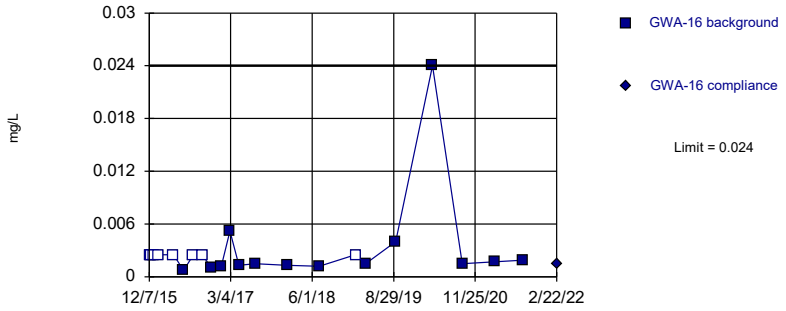
Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

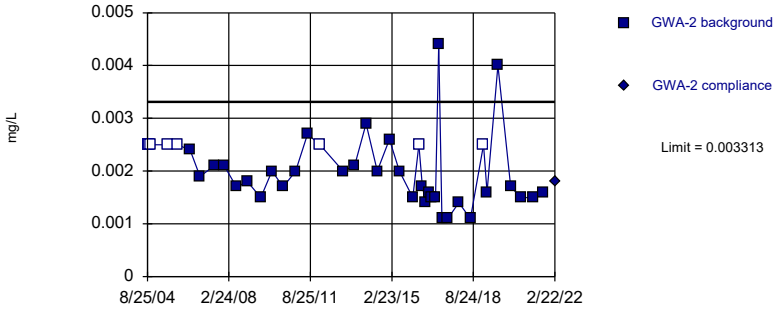
Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03944, Std. Dev.=0.008126, n=43, 20.93% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9267, critical = 0.923. Kappa = 2.23 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

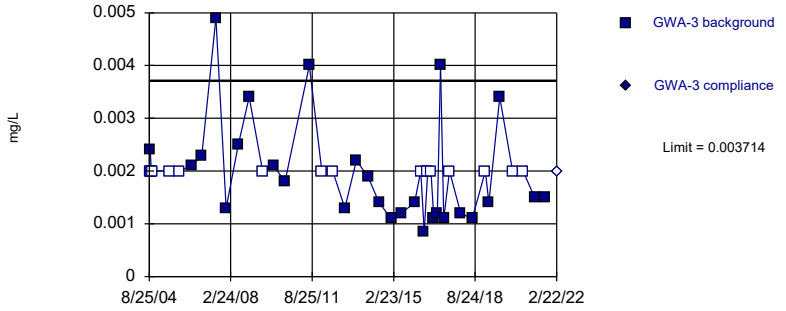
Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



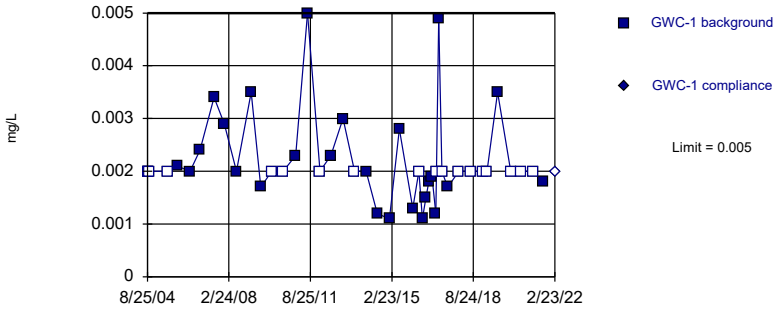
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.638, Std. Dev.=0.4673, n=43, 34.88% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9278, critical = 0.923. Kappa = 2.23 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



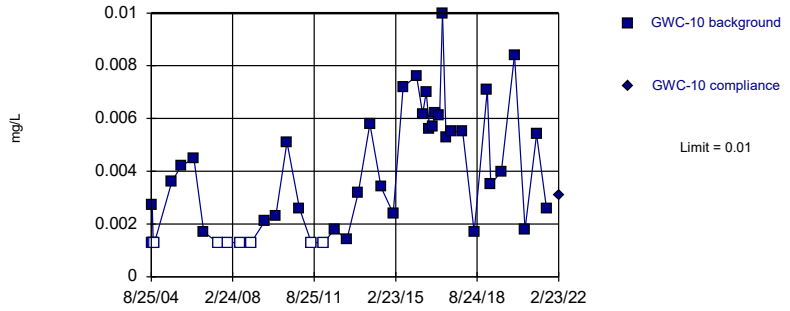
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 40.91% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



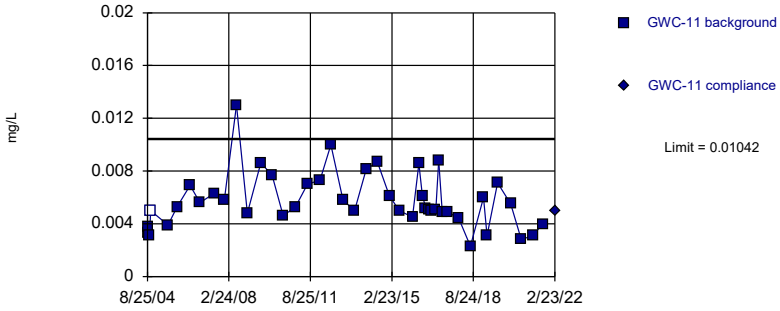
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 20.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



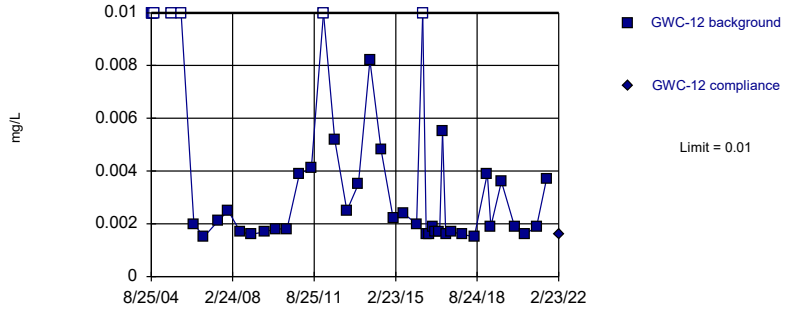
Background Data Summary: Mean=0.005738, Std. Dev.=0.002105, n=44, 2.273% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9316, critical = 0.924. Kappa = 2.225 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 18.18% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

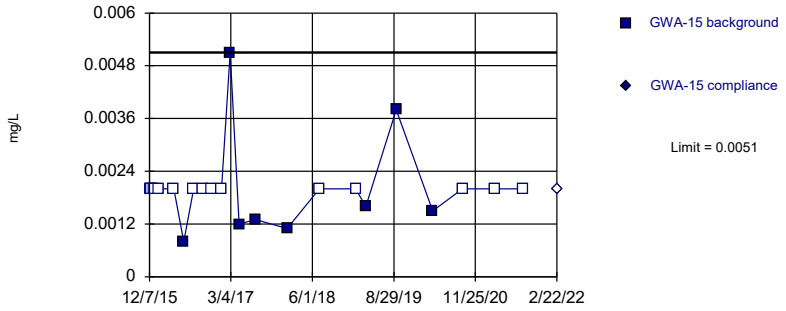
Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

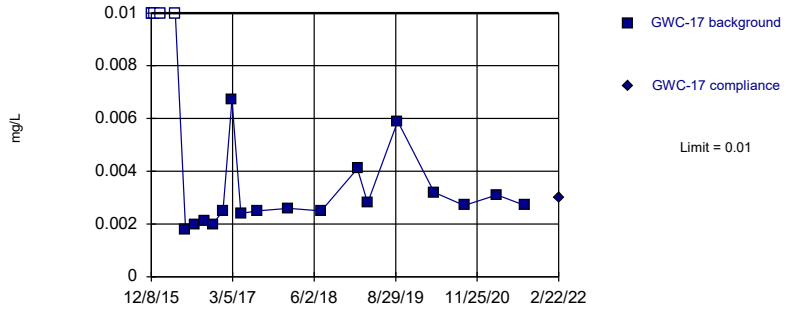
Constituent: Chromium Analysis Run 8/2/2022 5:03 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 22.73% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

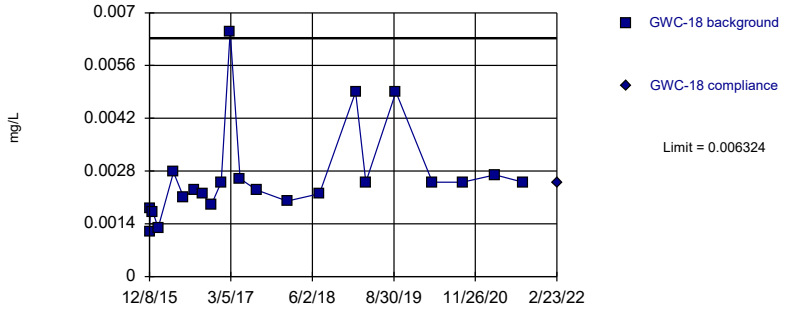
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.022, Std. Dev.=0.3929, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8931, critical = 0.878. Kappa = 2.441 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

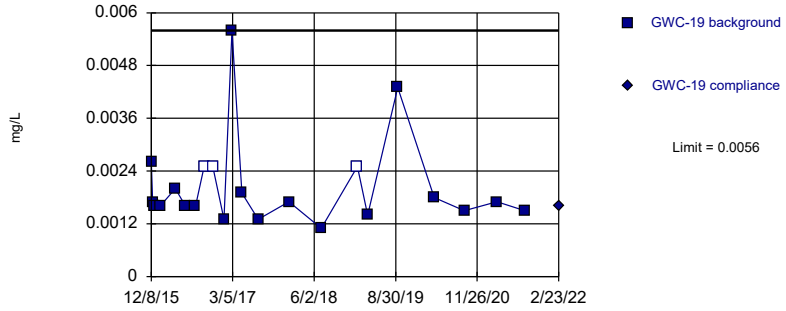
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 13.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

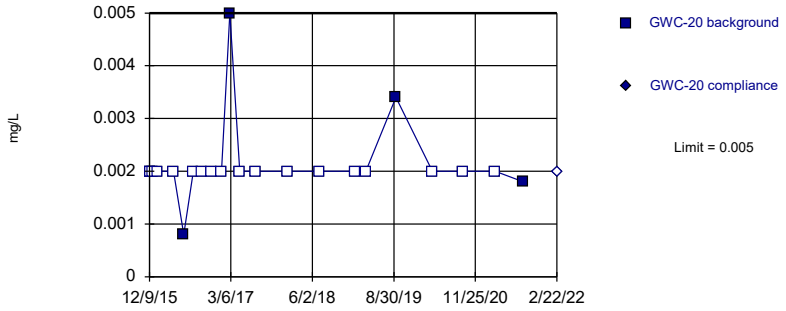
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

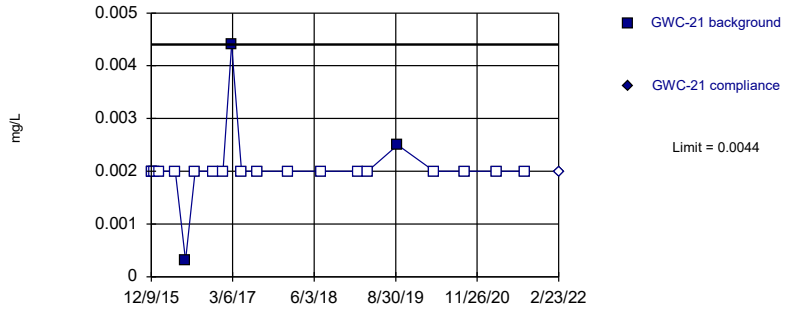
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

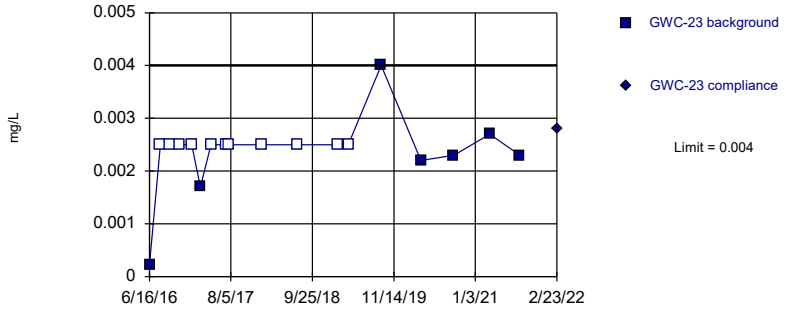
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 61.11% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

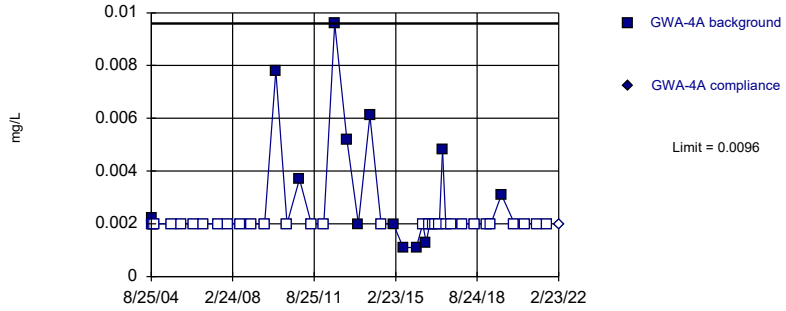
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 70.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

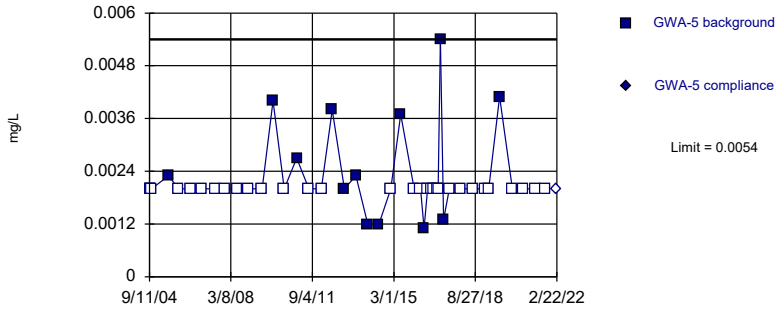
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 45 background values. 68.89% NDs. Well-constituent pair annual alpha = 0.001911. Individual comparison alpha = 0.0009557 (1 of 2).

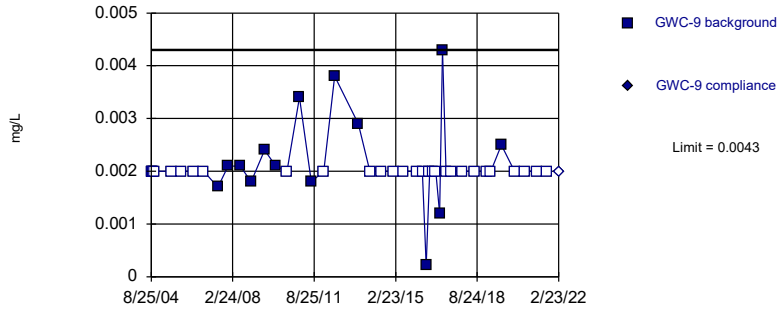
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 43 background values. 67.44% NDs. Well-constituent pair annual alpha = 0.002073. Individual comparison alpha = 0.001037 (1 of 2).

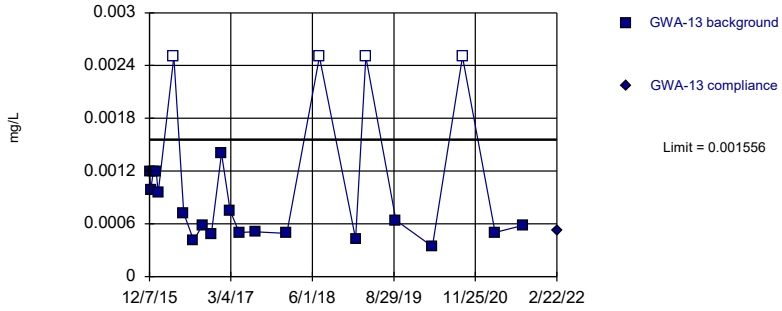
Constituent: Chromium Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-7.415, Std. Dev.=0.3922, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8974, critical = 0.881. Kappa = 2.421 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

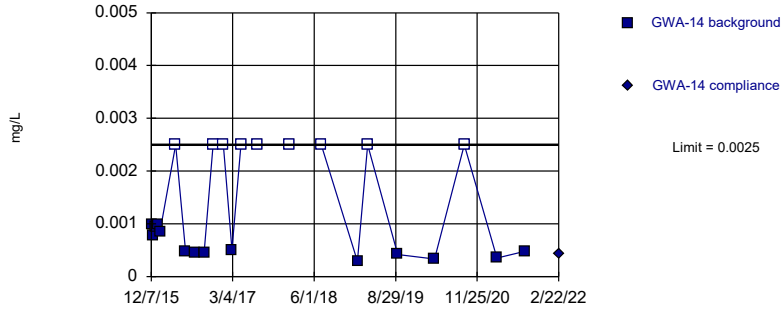
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 39.13% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

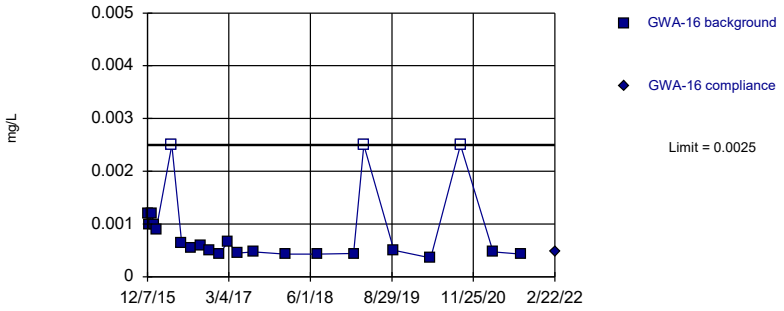
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 13.04% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

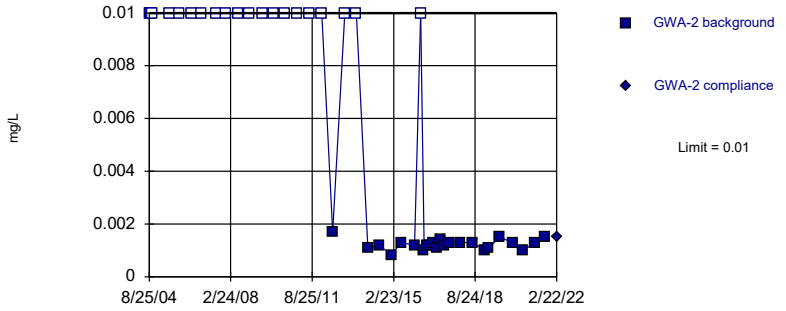
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 47.73% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

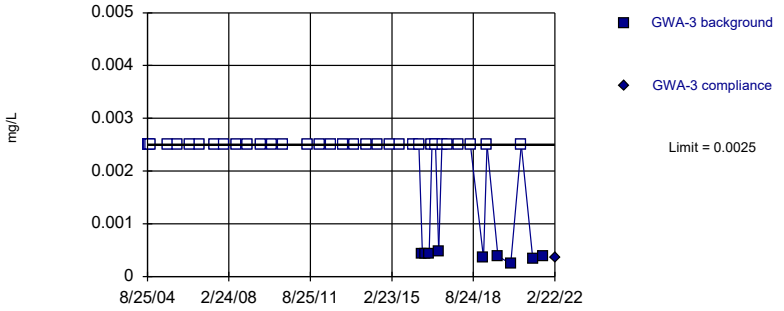
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 43 background values. 79.07% NDs. Well-constituent pair annual alpha = 0.002073. Individual comparison alpha = 0.001037 (1 of 2).

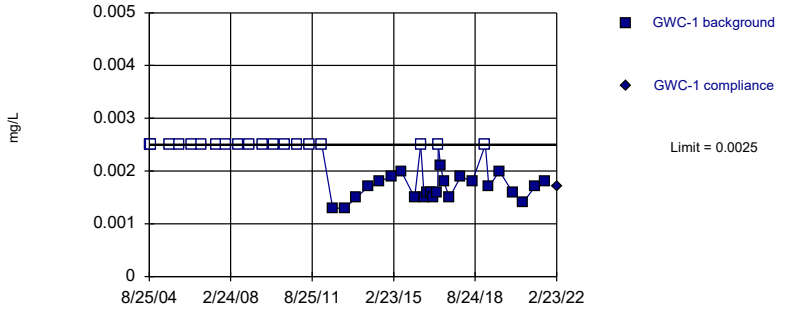
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

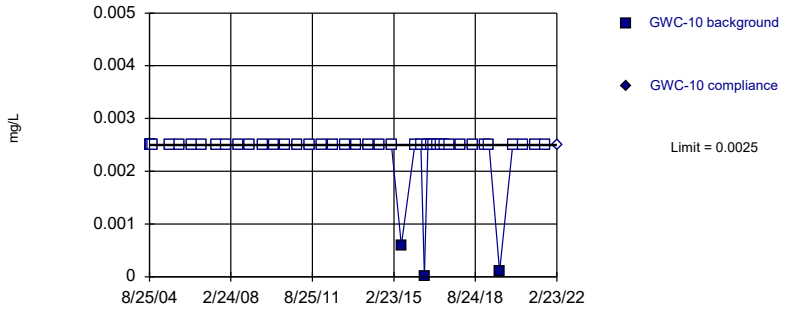
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 93.18% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

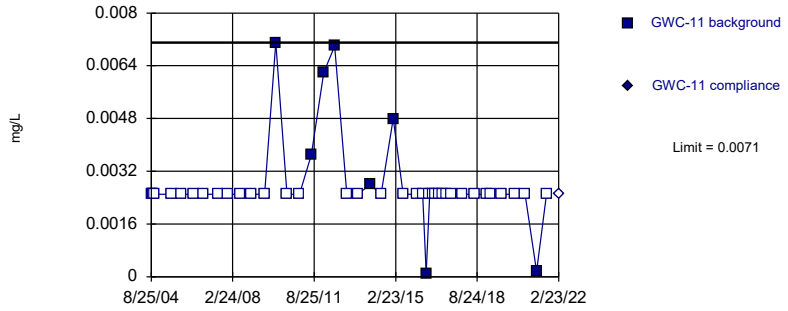
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

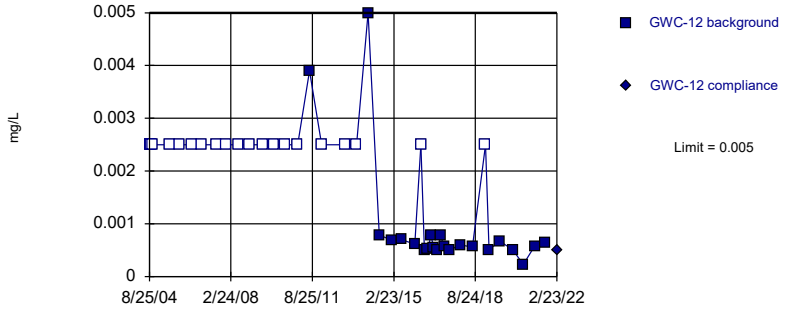
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 43 background values. 48.84% NDs. Well-constituent pair annual alpha = 0.002073. Individual comparison alpha = 0.001037 (1 of 2).

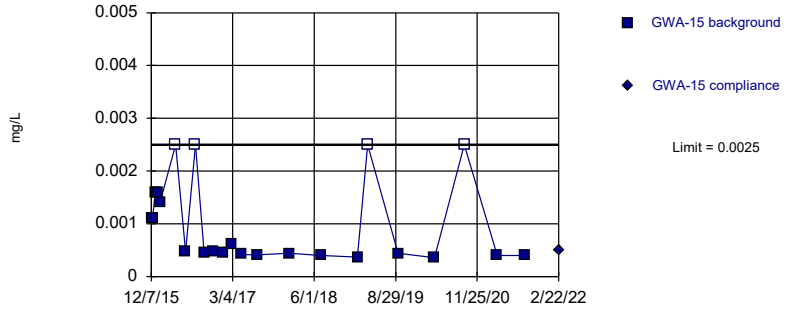
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 17.39% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

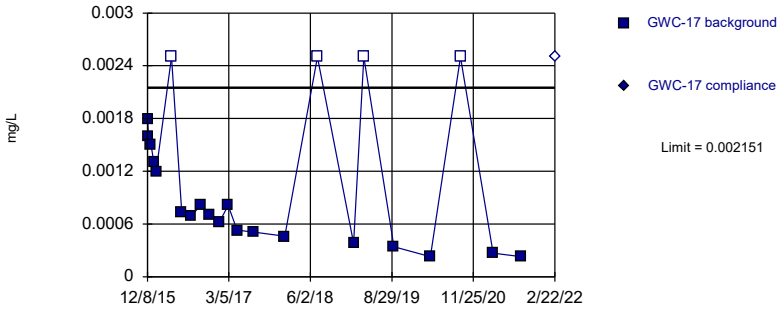
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.02623, Std. Dev.=0.008328, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9059, critical = 0.881. Kappa = 2.421 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

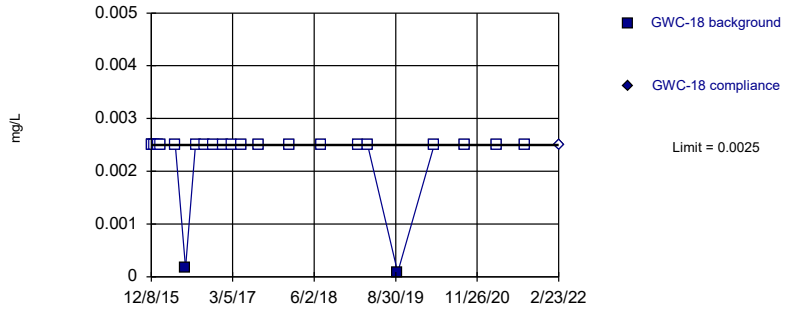
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

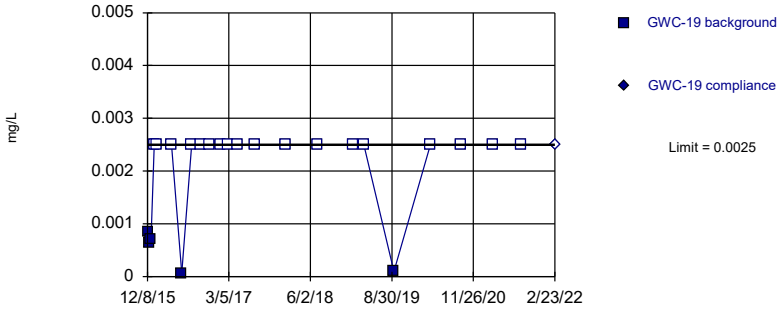
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

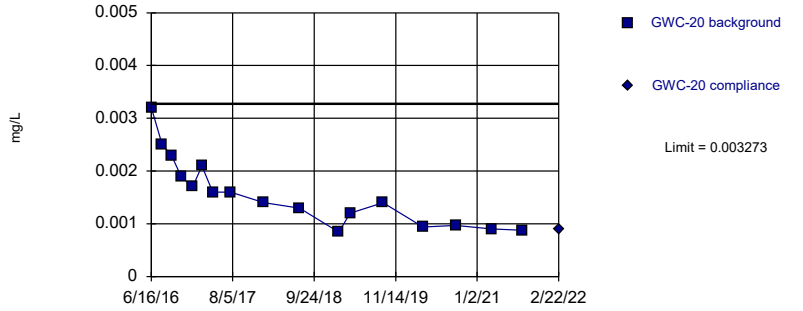
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001572, Std. Dev.=0.0006589, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9107, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

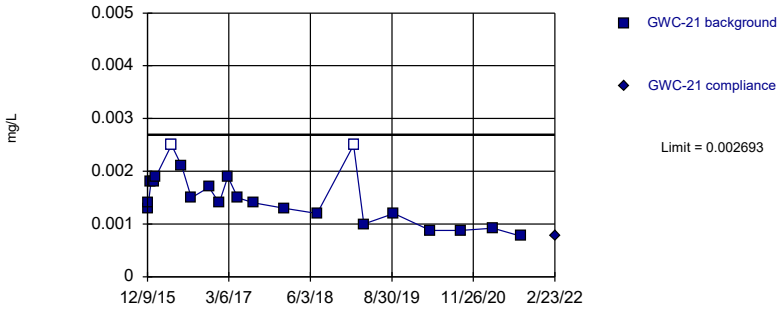
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001493, Std. Dev.=0.0004917, n=22, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.878. Kappa = 2.441 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

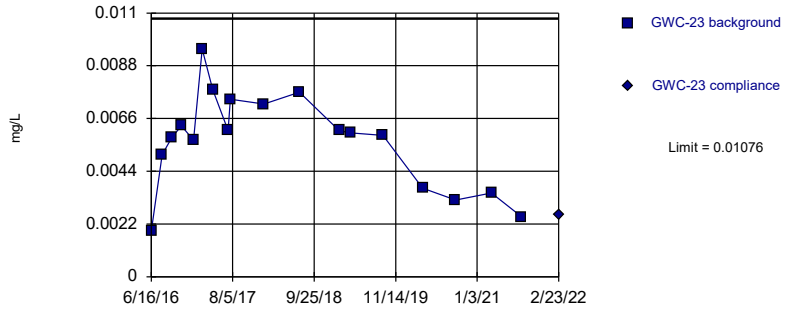
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.005633, Std. Dev.=0.002013, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9589, critical = 0.858. Kappa = 2.548 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

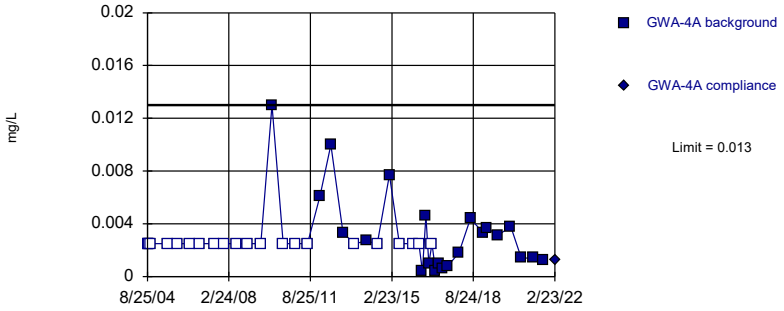
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 50% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

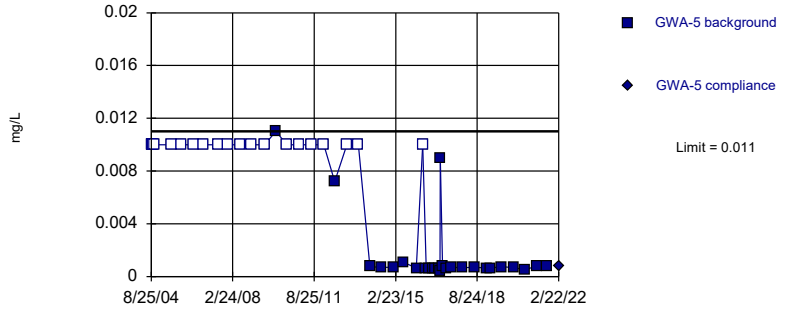
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 46 background values. 43.48% NDs. Well-constituent pair annual alpha = 0.001829. Individual comparison alpha = 0.0009151 (1 of 2).

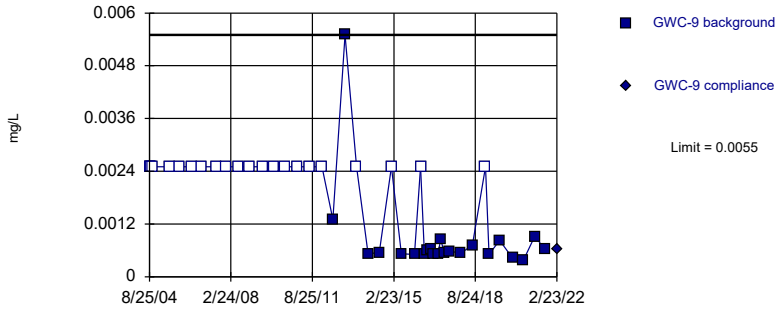
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. 50% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

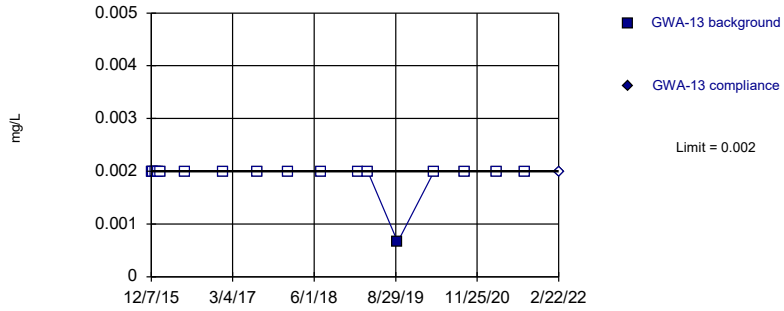
Constituent: Cobalt Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

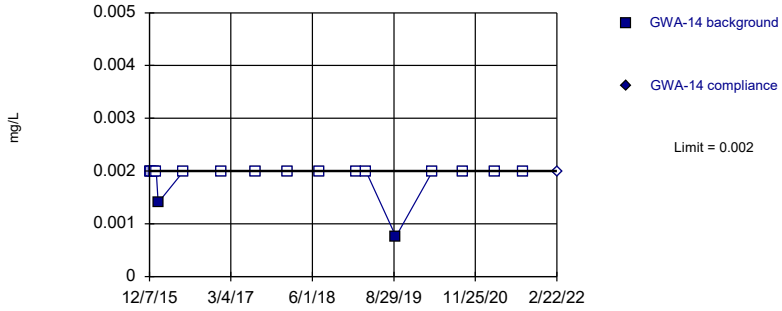
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

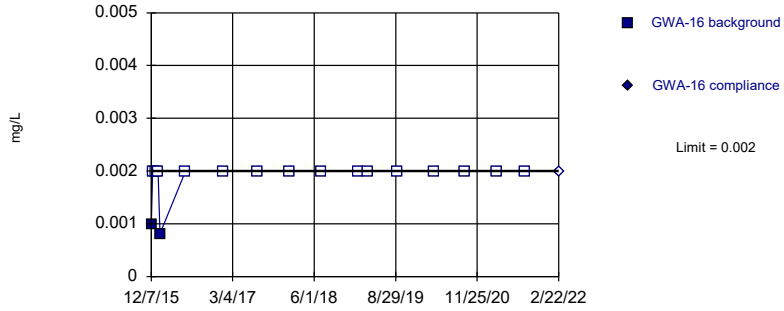
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

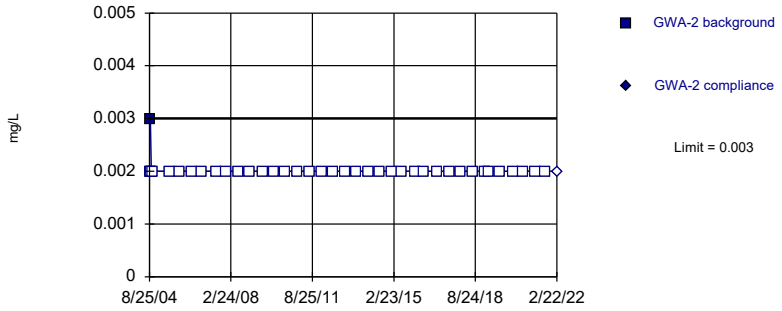
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

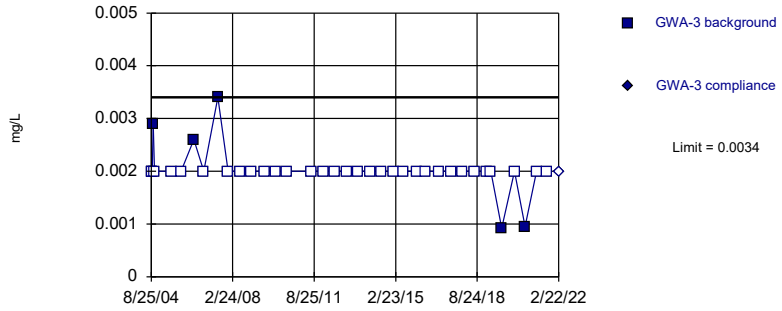
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 86.49% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

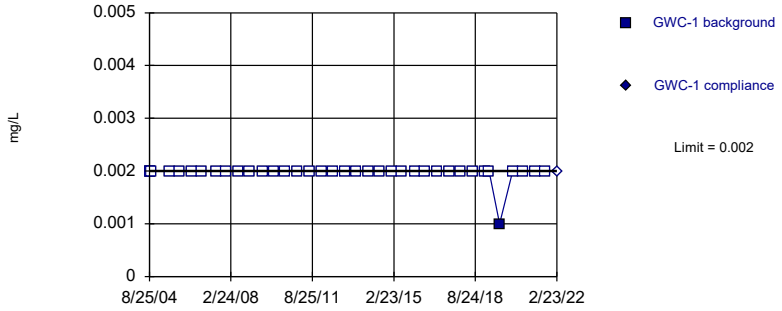
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

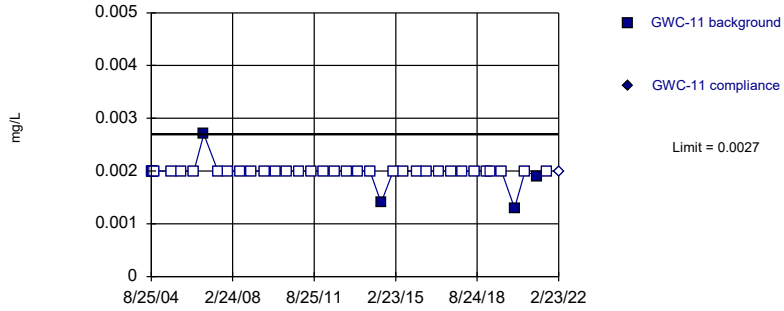
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



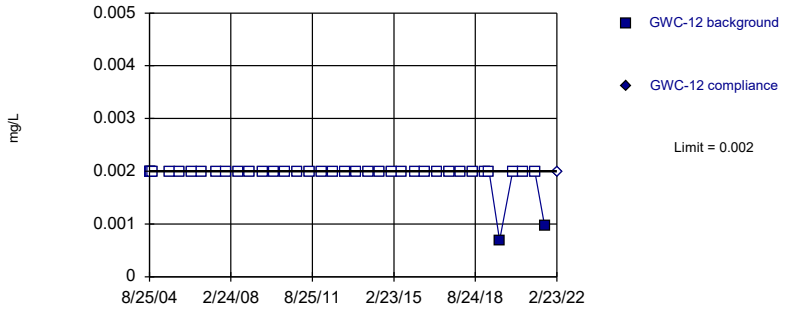
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



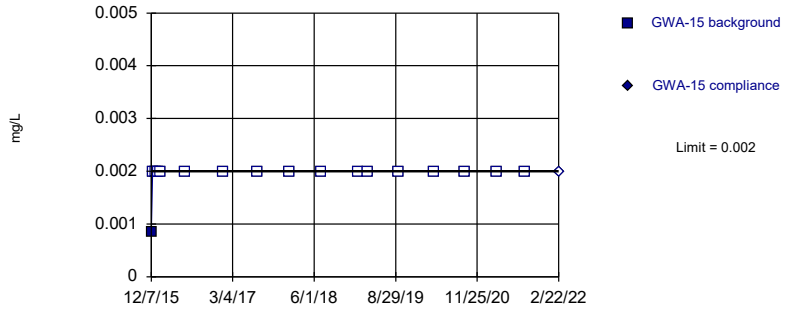
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



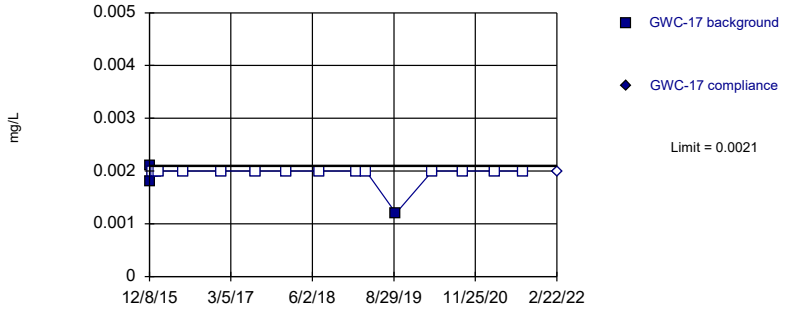
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



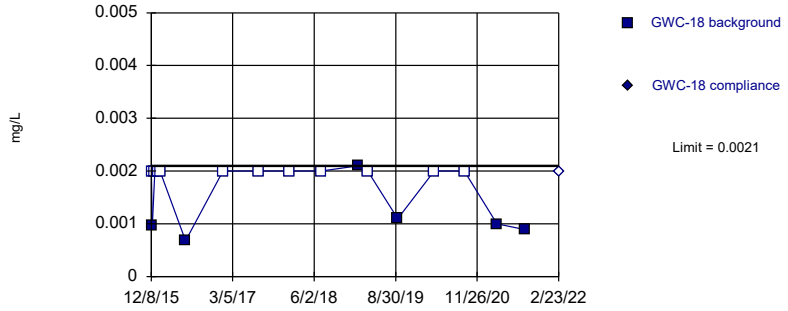
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



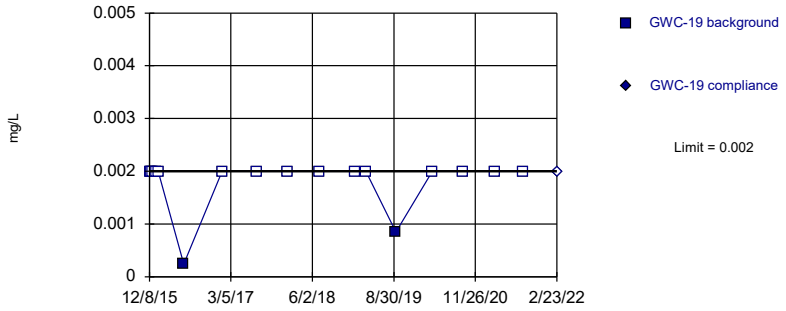
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



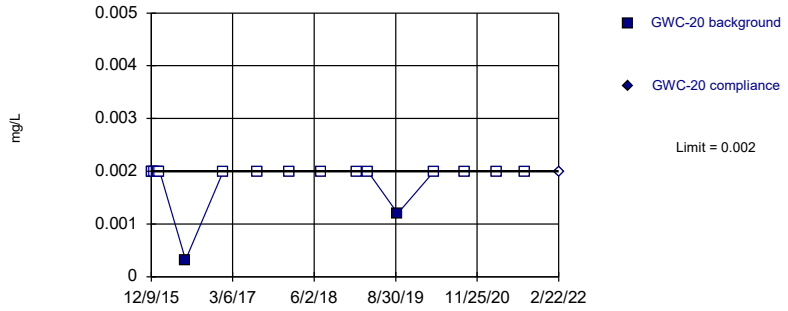
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



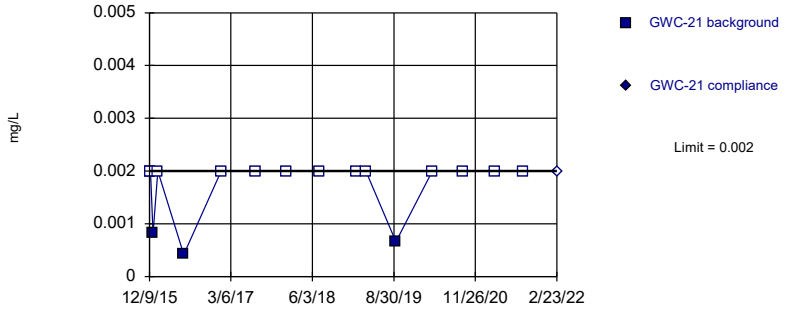
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



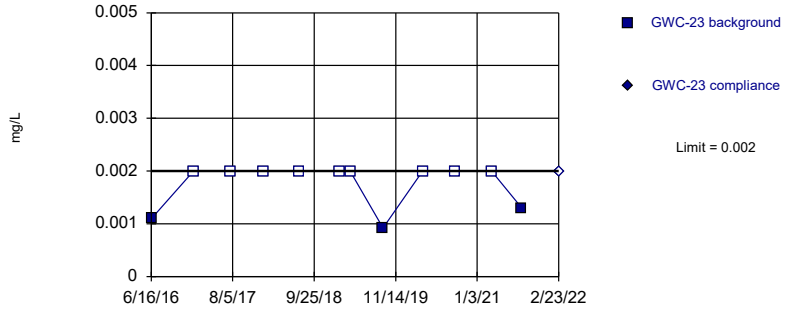
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

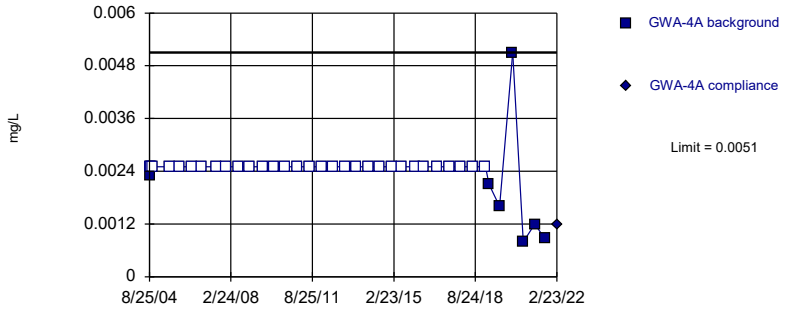
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 81.58% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

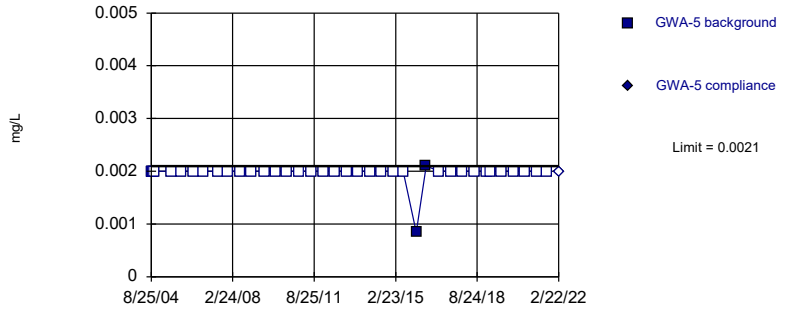
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

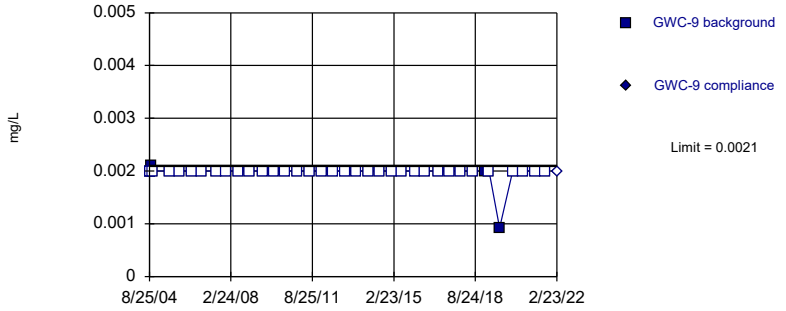
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

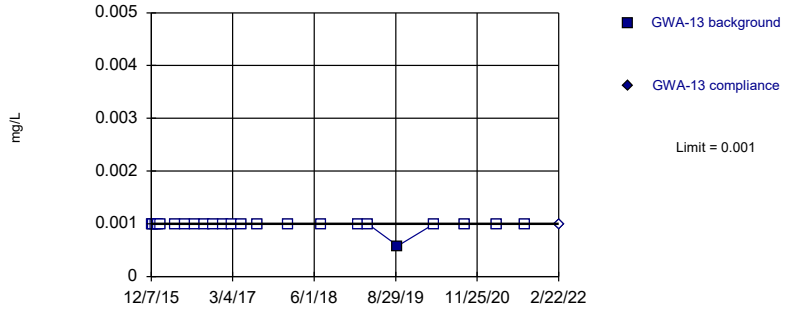
Constituent: Copper Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



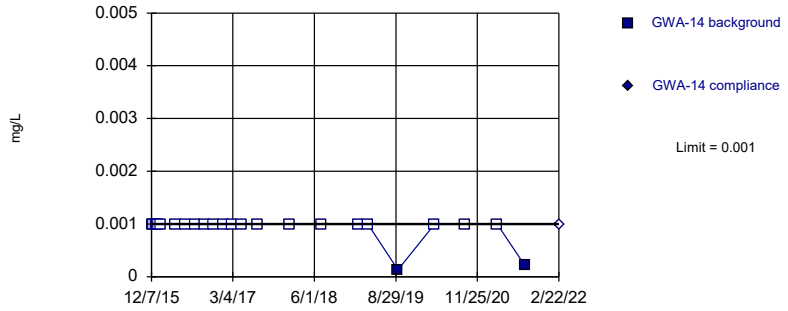
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



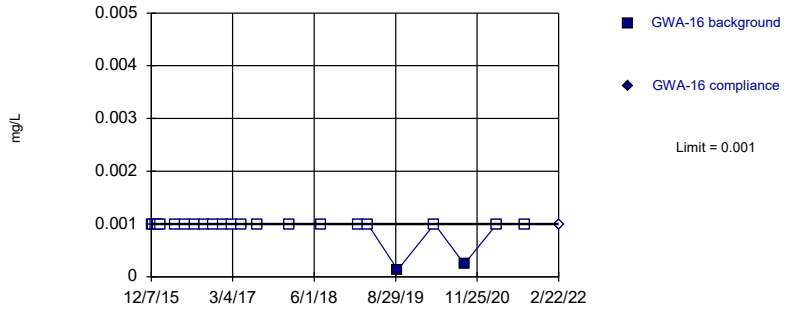
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



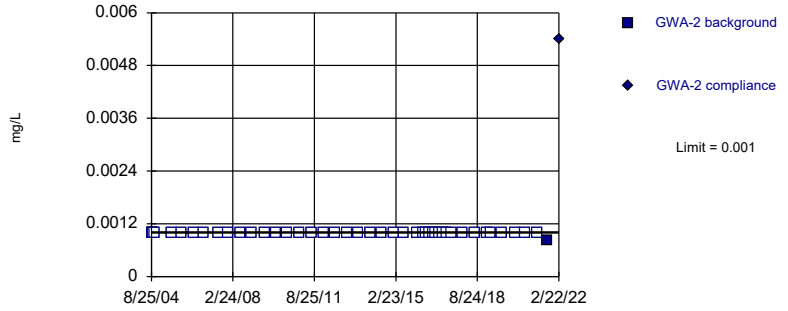
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Exceeds Limit

Prediction Limit

Intrawell Non-parametric



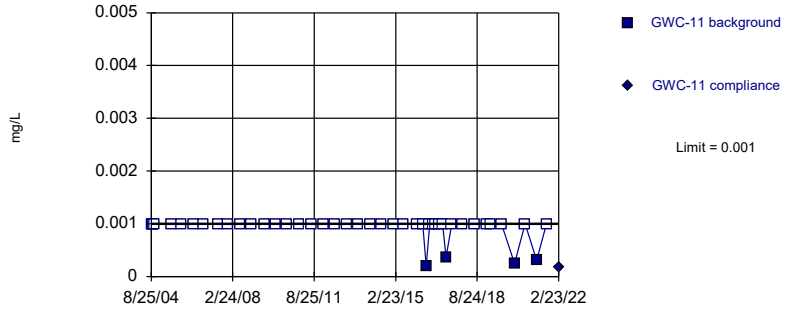
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 97.73% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

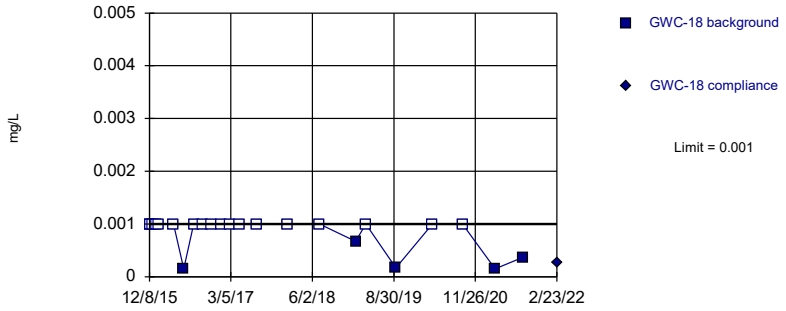
Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

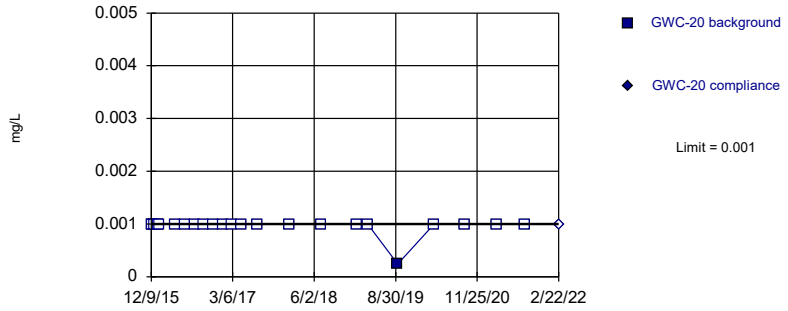
Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

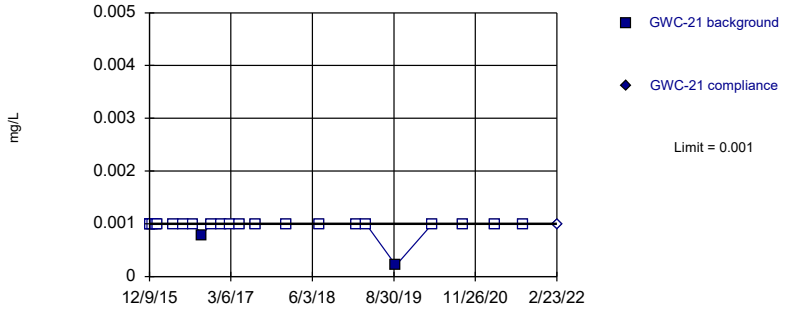
Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

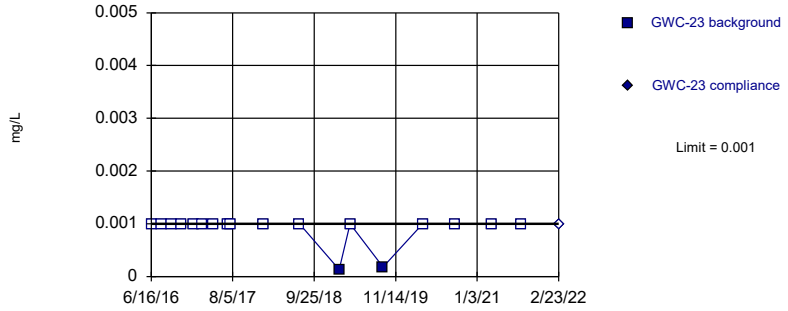
Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



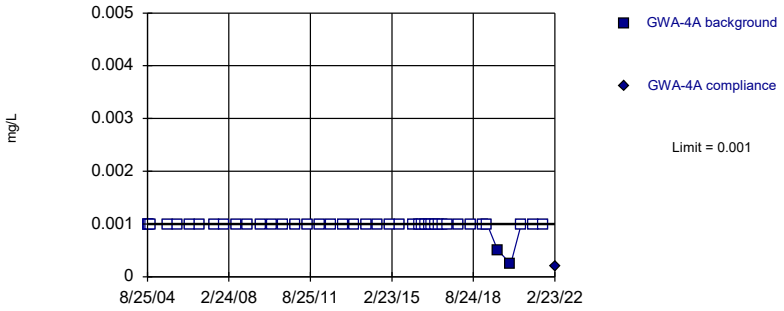
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



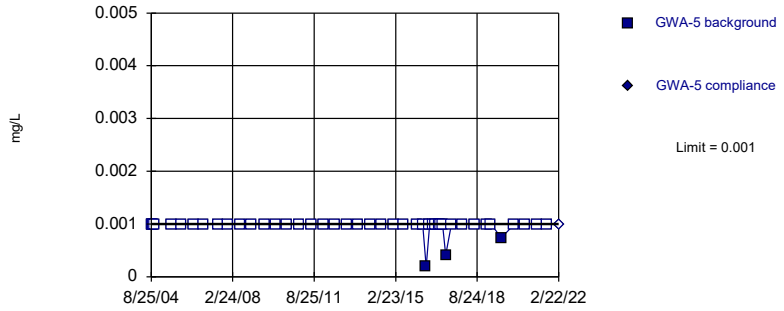
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



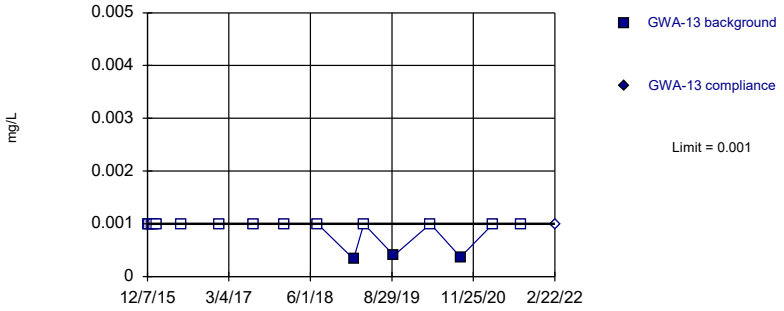
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 46 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.001829. Individual comparison alpha = 0.0009151 (1 of 2).

Constituent: Lead Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



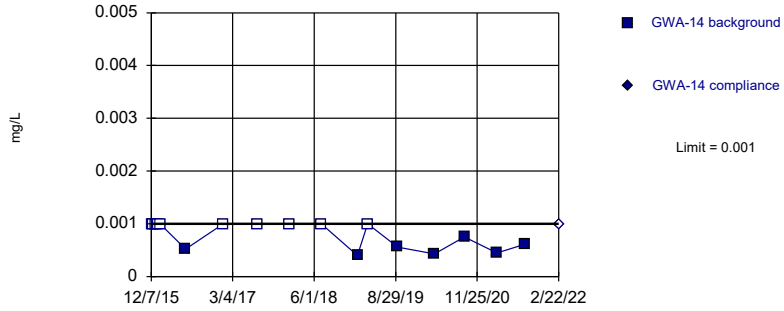
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Nickel Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

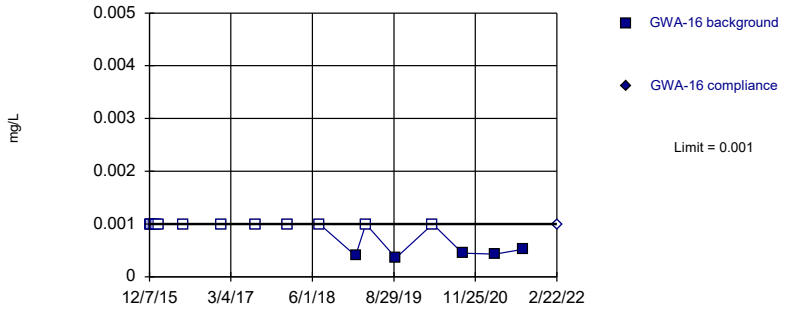
Constituent: Nickel Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

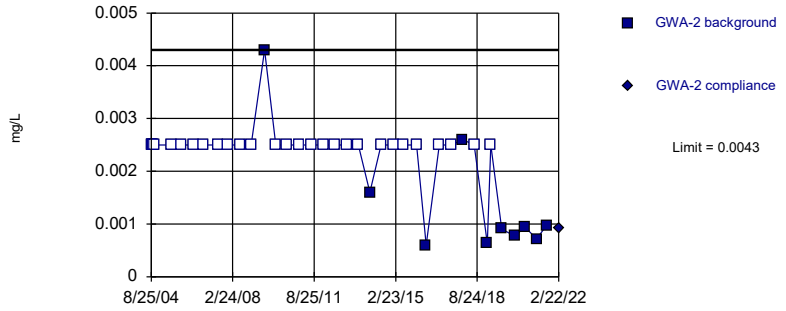
Constituent: Nickel Analysis Run 8/2/2022 5:04 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 73.68% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

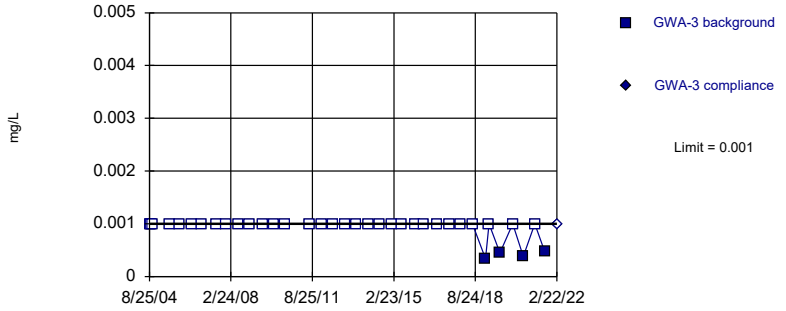
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

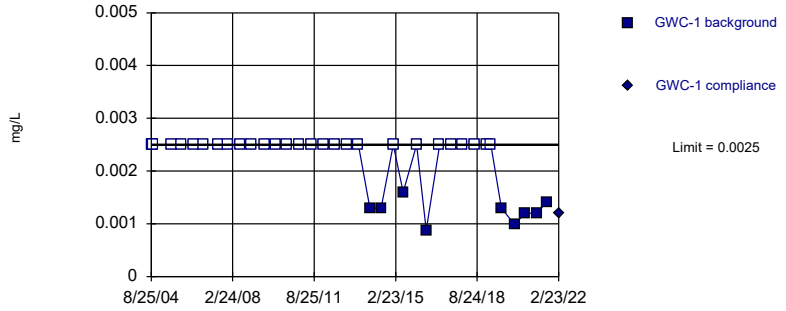
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

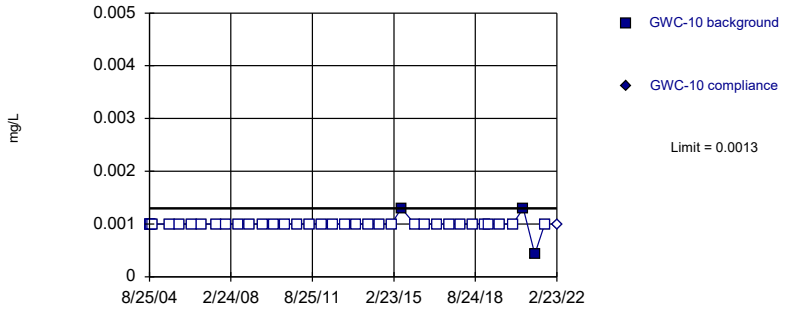
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

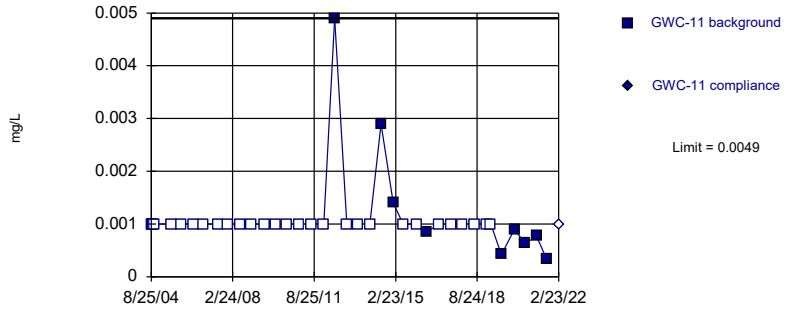
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 76.32% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

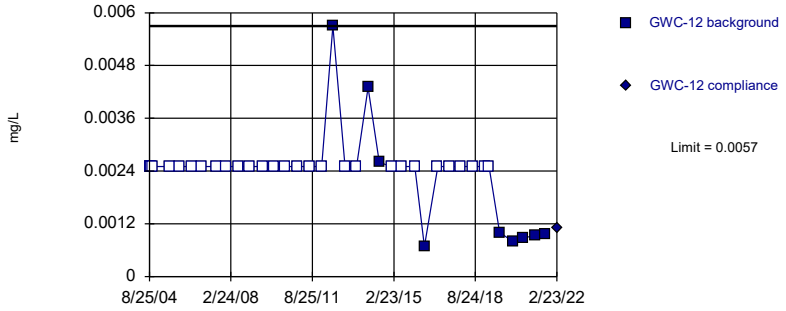
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 76.32% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

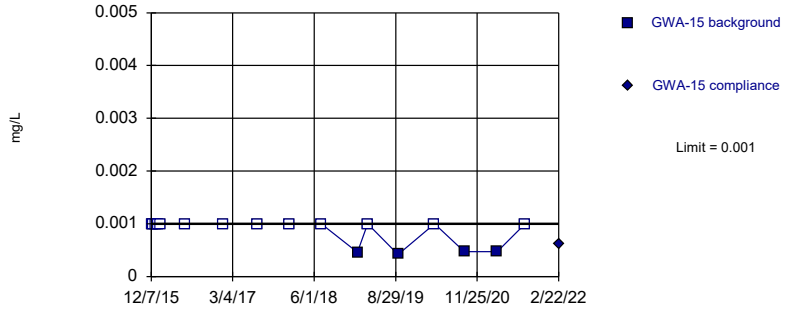
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

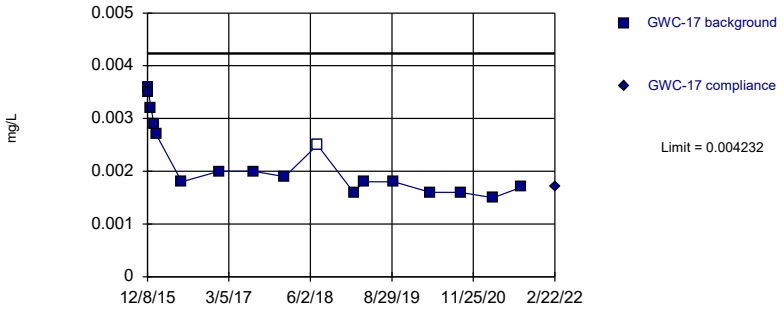
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.04658, Std. Dev.=0.007156, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8586, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

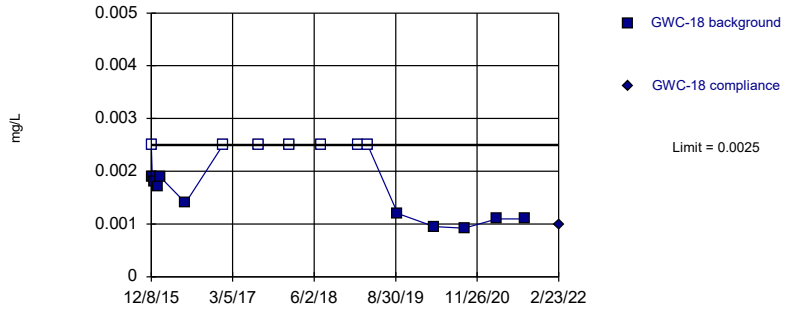
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

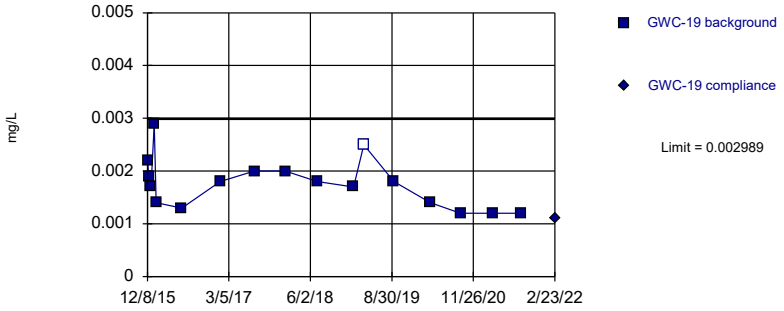
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001765, Std. Dev.=0.0004743, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9214, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

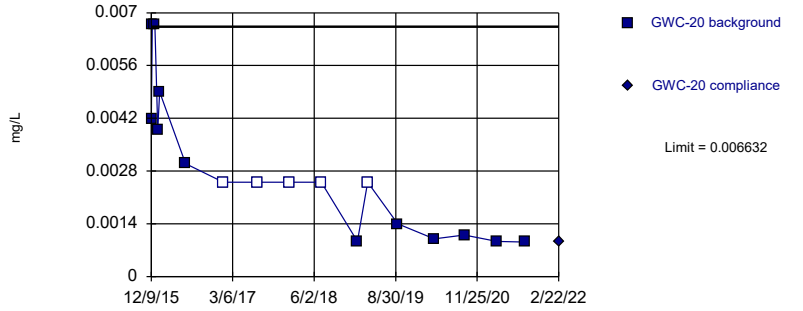
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002119, Std. Dev.=0.001748, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8605, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

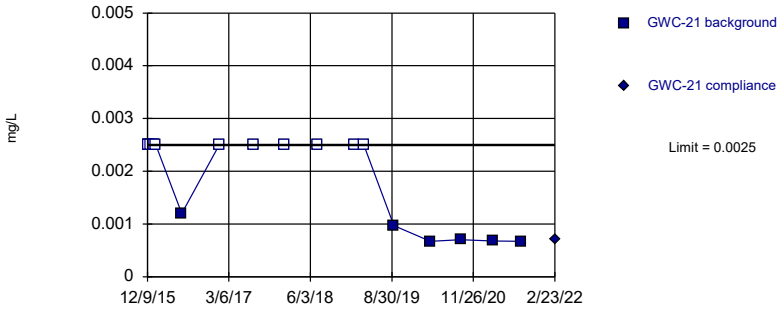
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

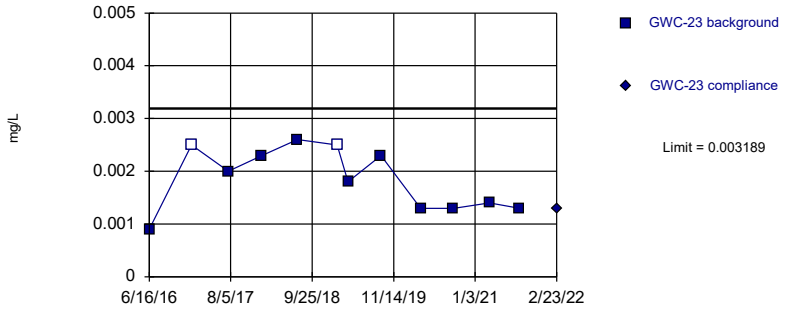
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001522, Std. Dev.=0.0005802, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8977, critical = 0.805. Kappa = 2.874 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

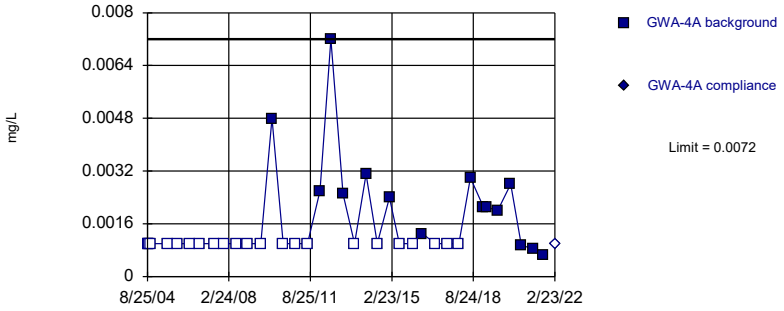
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 60.53% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

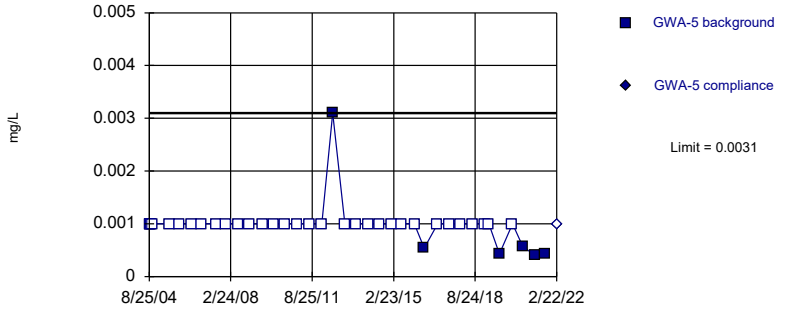
Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



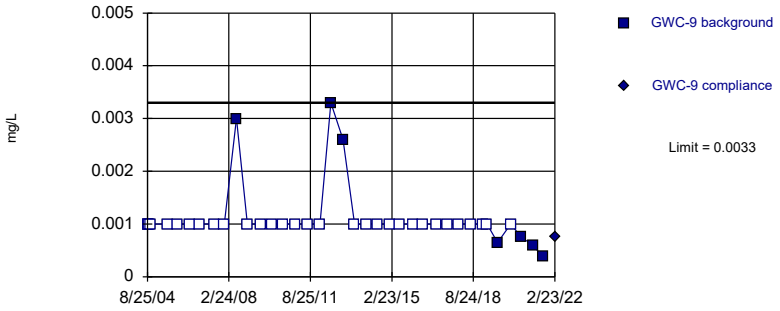
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



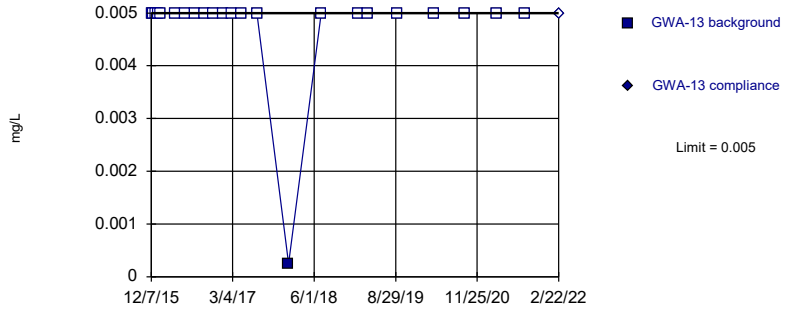
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 81.58% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Nickel Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



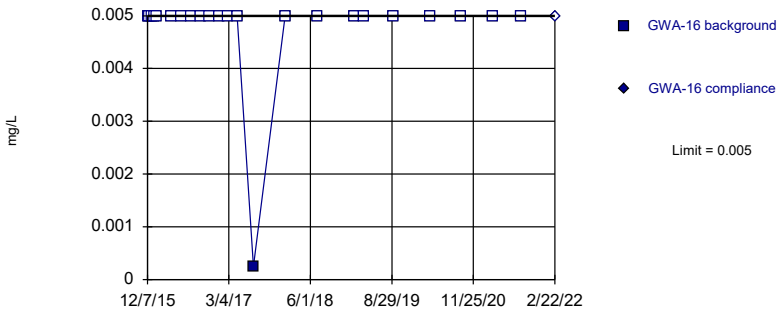
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



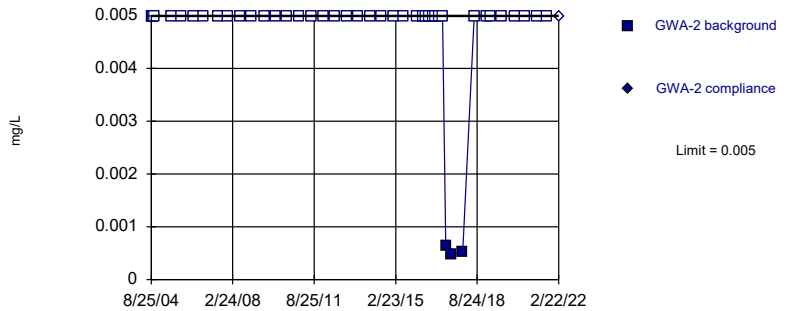
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



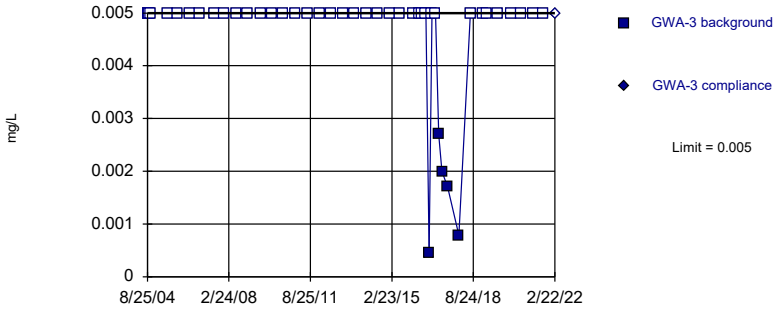
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 93.18% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



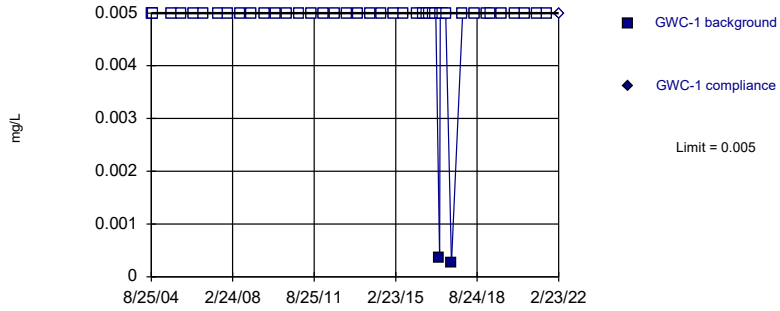
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 88.64% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



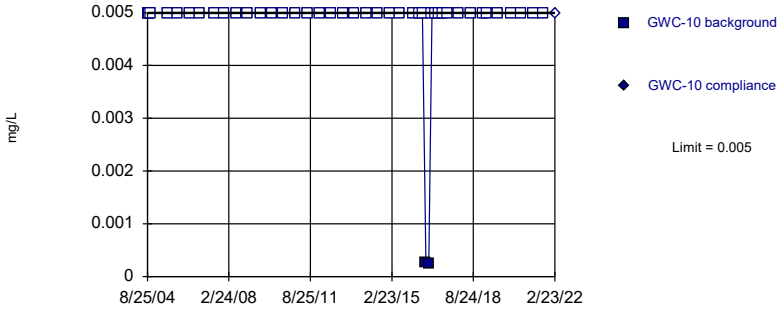
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



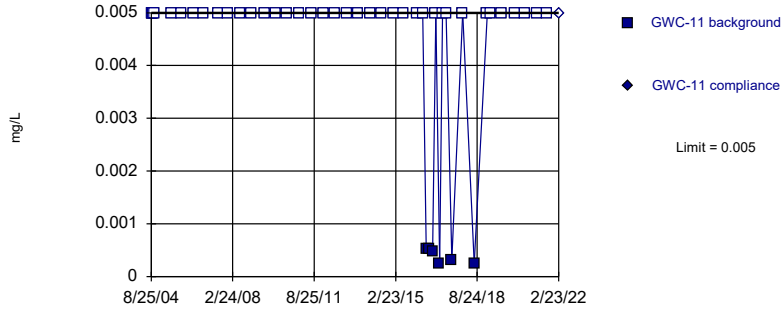
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



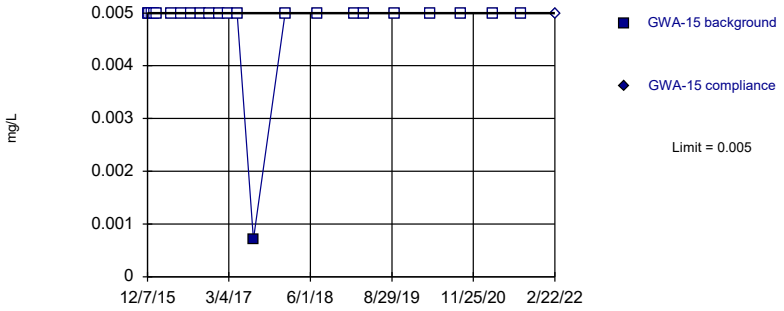
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



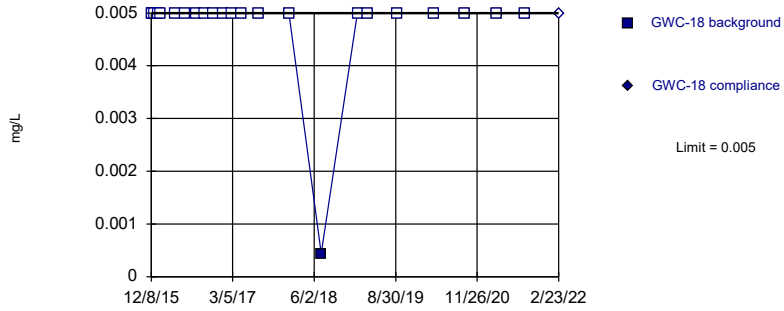
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



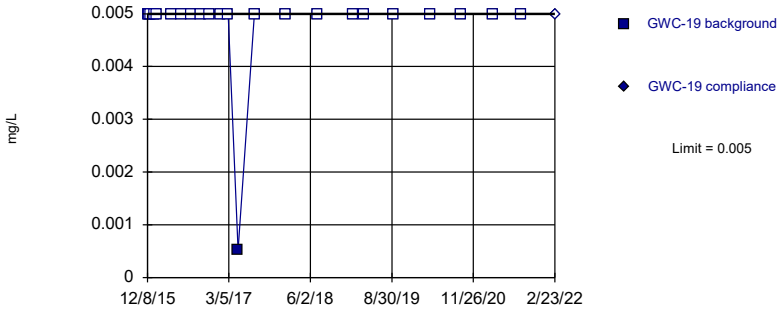
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



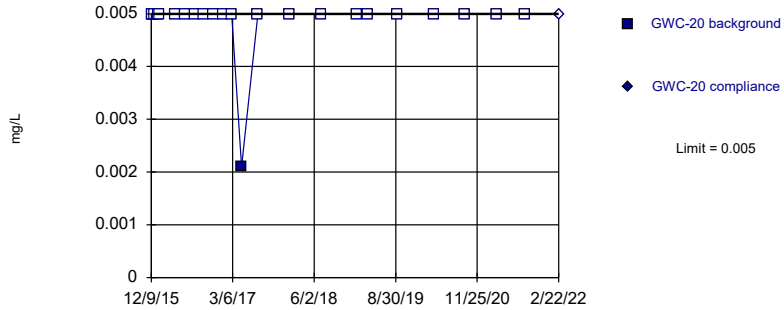
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



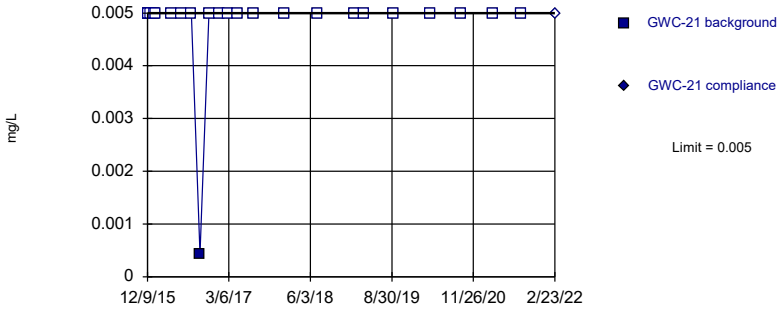
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



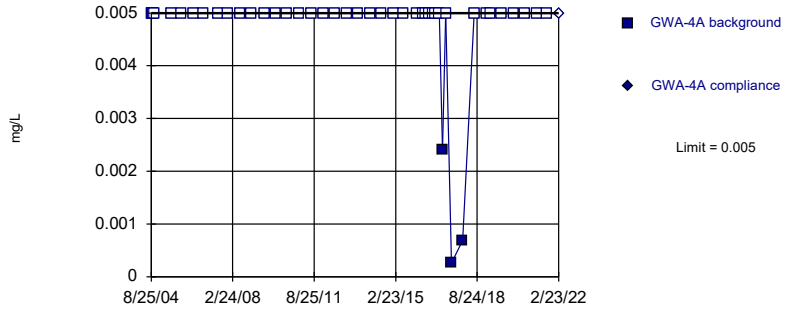
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



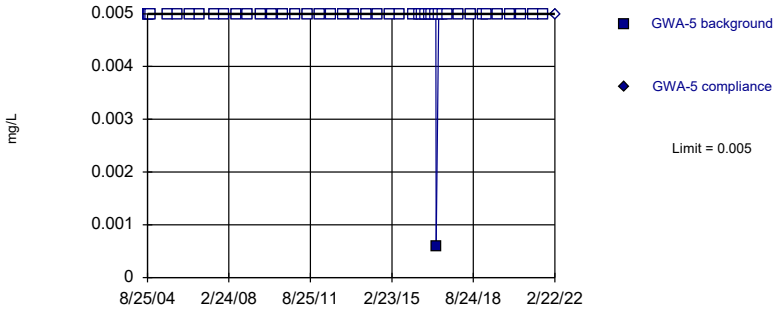
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 93.18% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



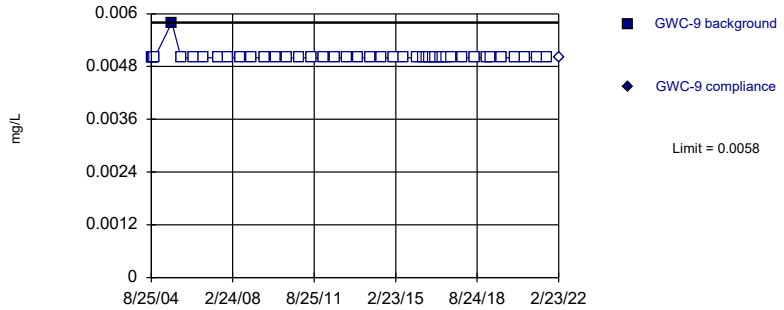
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 45 background values. 97.78% NDs. Well-constituent pair annual alpha = 0.001911. Individual comparison alpha = 0.0009557 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



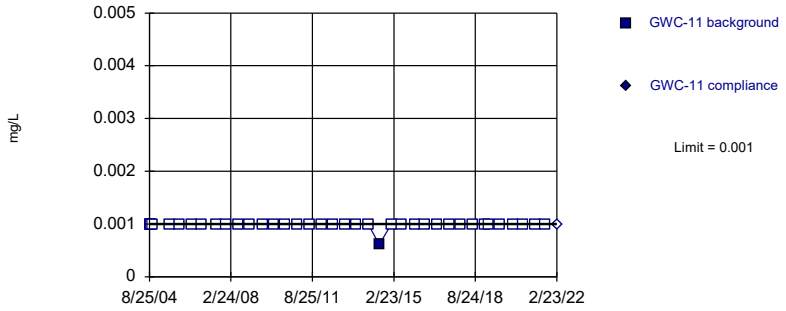
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 97.73% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Selenium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



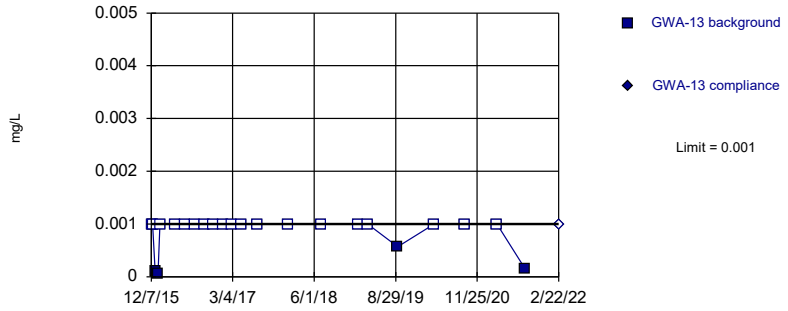
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Silver Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



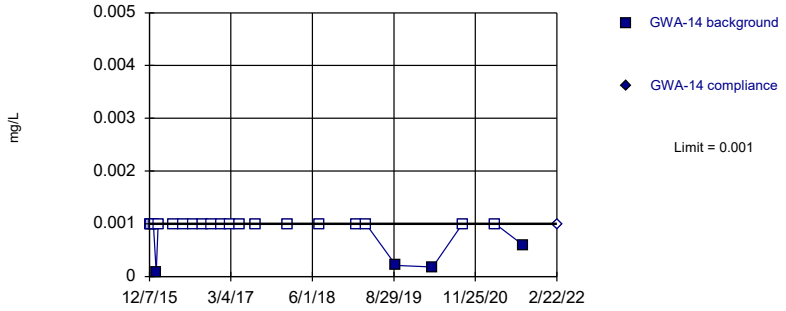
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



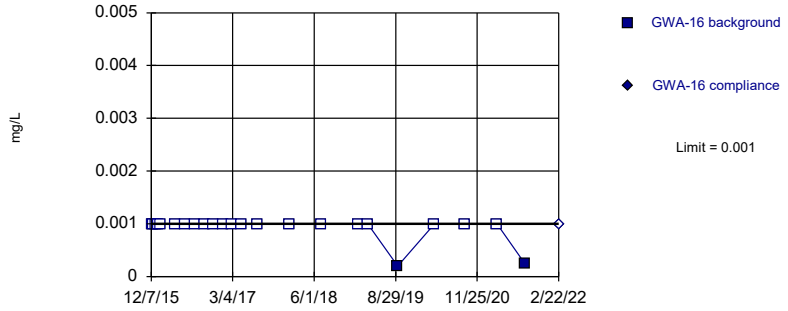
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



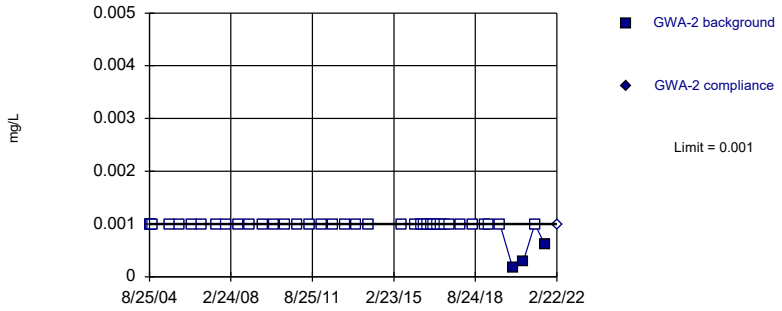
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



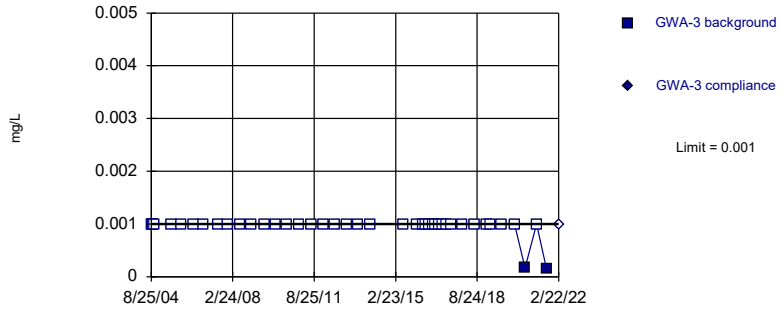
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.002154. Individual comparison alpha = 0.001077 (1 of 2).

Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



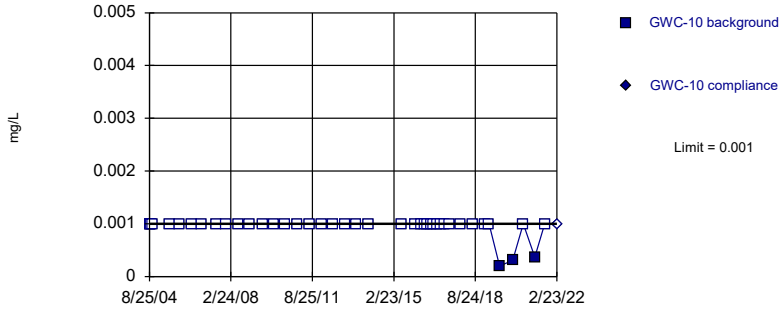
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.002154. Individual comparison alpha = 0.001077 (1 of 2).

Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



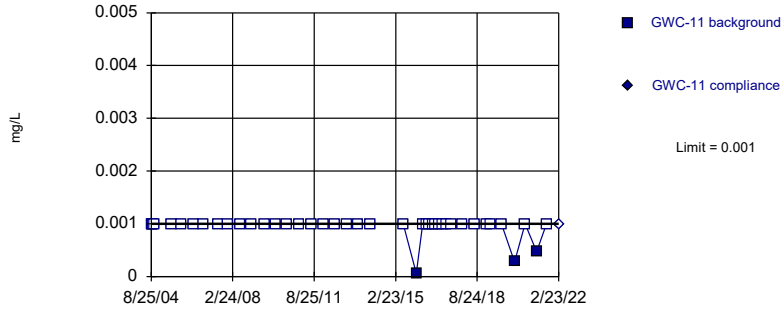
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.002154. Individual comparison alpha = 0.001077 (1 of 2).

Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.002154. Individual comparison alpha = 0.001077 (1 of 2).

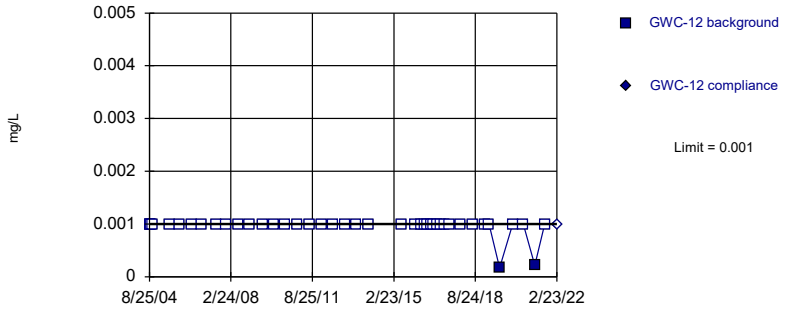
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.002154. Individual comparison alpha = 0.001077 (1 of 2).

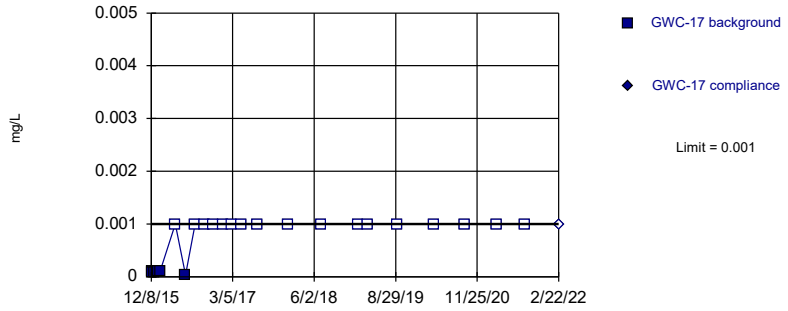
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

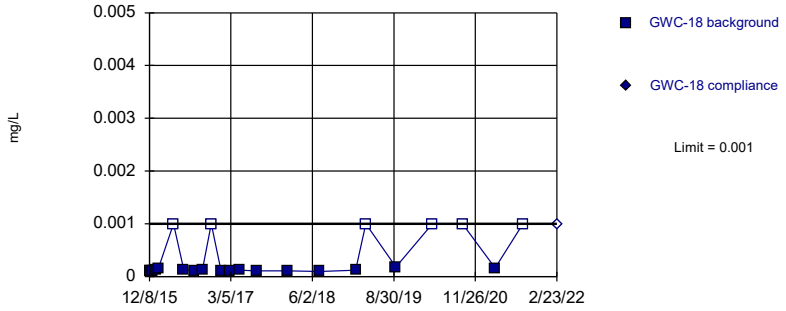
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 26.09% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

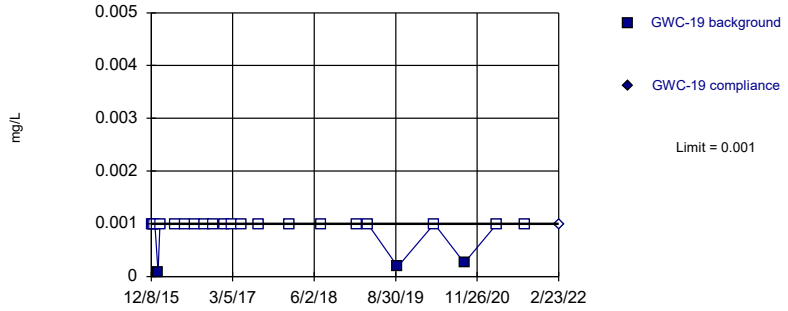
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

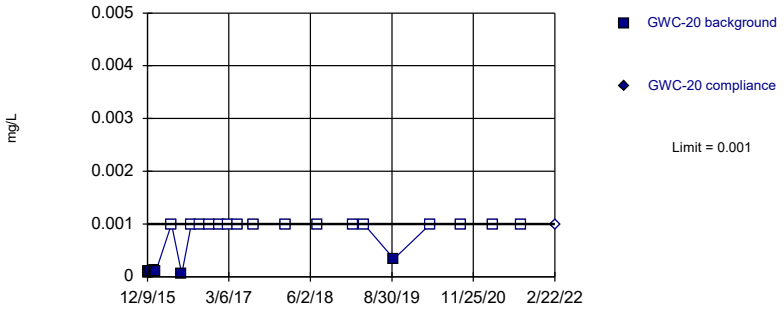
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

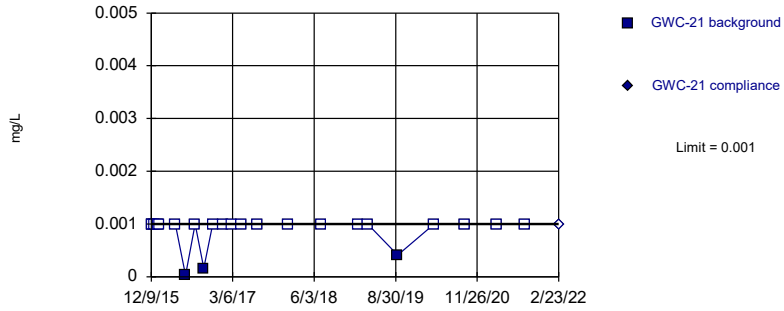
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

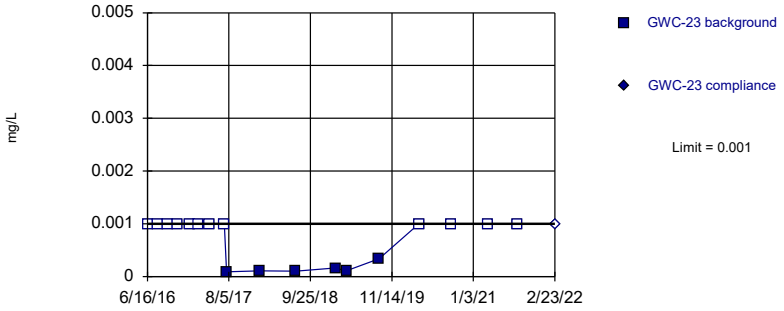
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

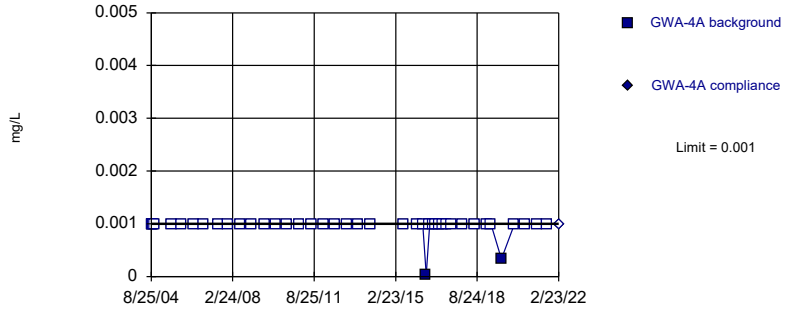
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.002154. Individual comparison alpha = 0.001077 (1 of 2).

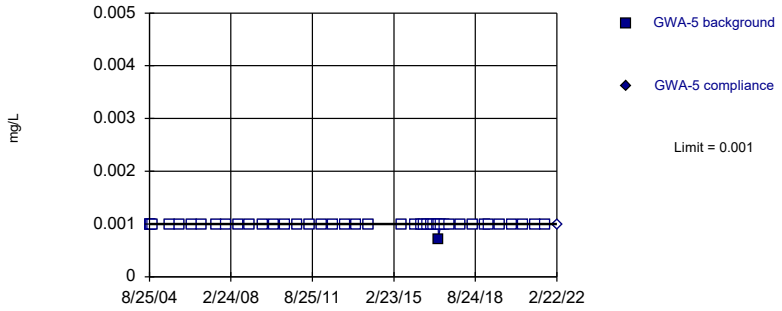
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 97.73% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

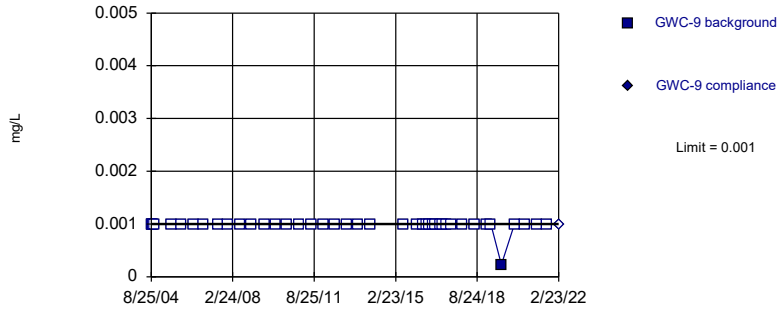
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 42 background values. 97.62% NDs. Well-constituent pair annual alpha = 0.002154. Individual comparison alpha = 0.001077 (1 of 2).

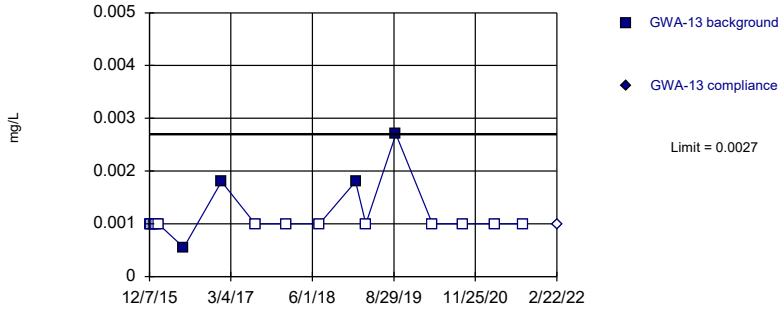
Constituent: Thallium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

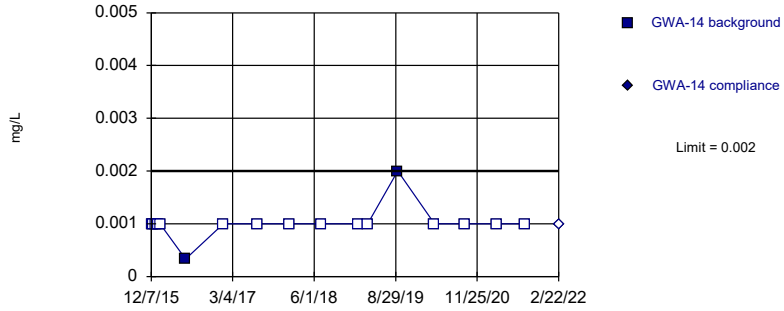
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

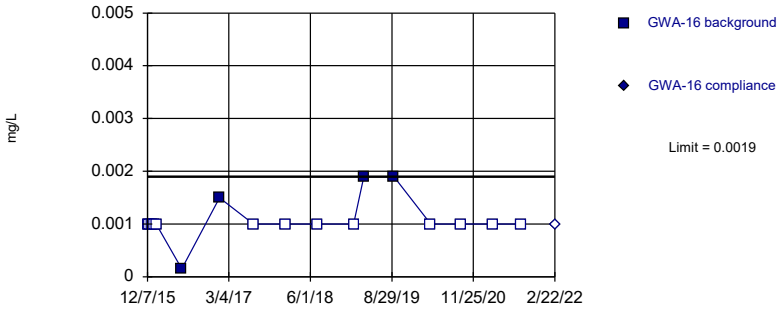
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

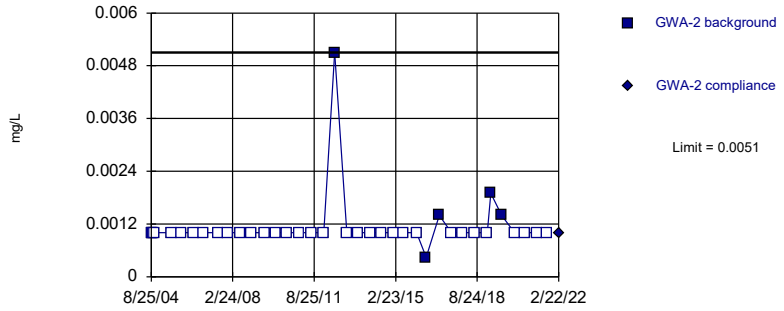
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

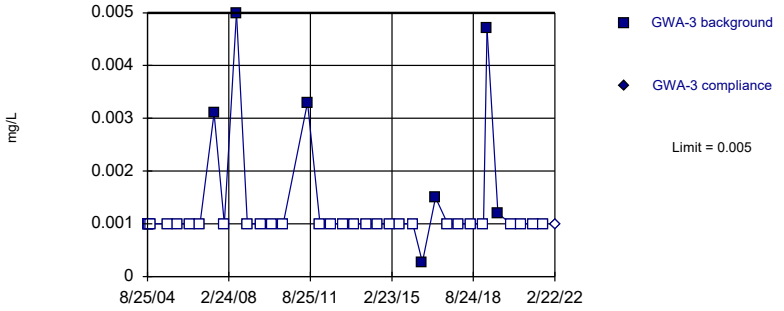
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 81.08% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

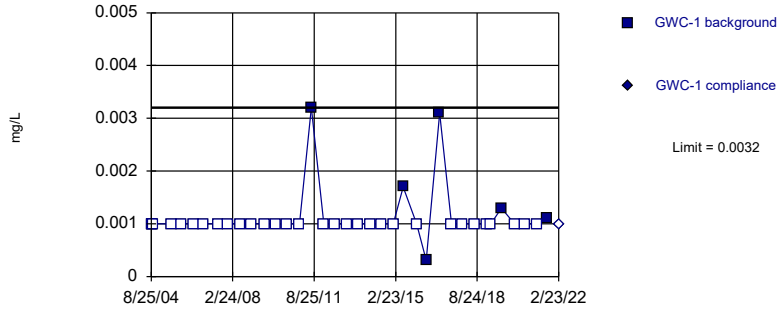
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

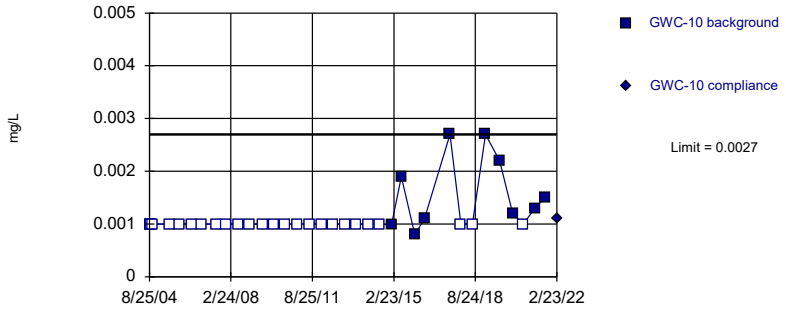
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 72.22% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

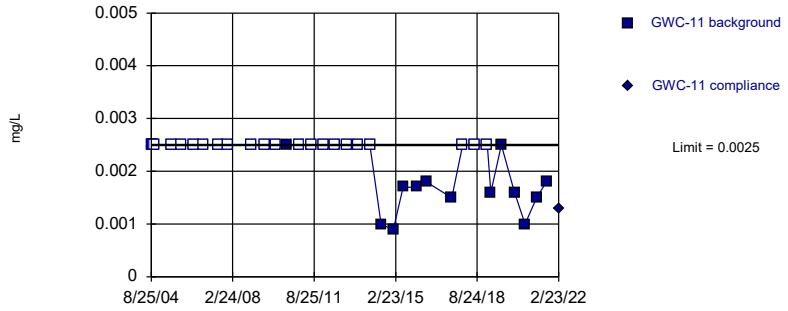
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 63.89% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

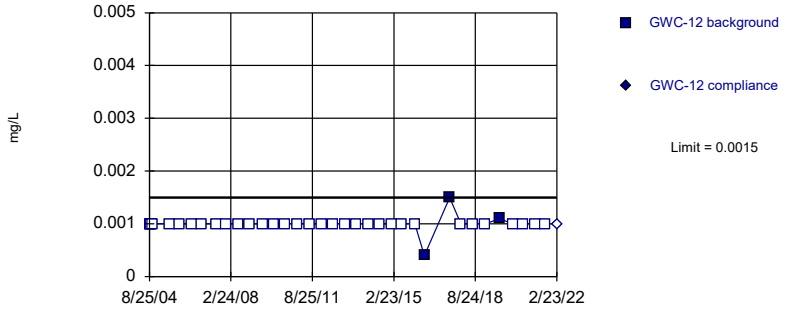
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

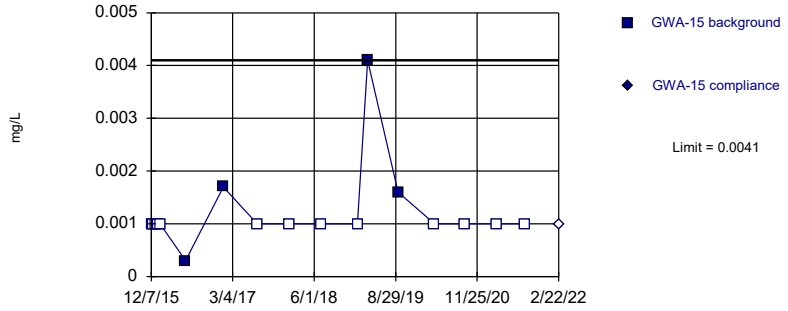
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

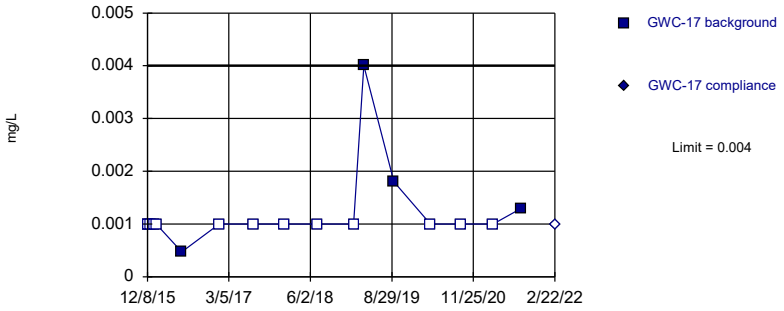
Constituent: Vanadium Analysis Run 8/2/2022 5:05 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

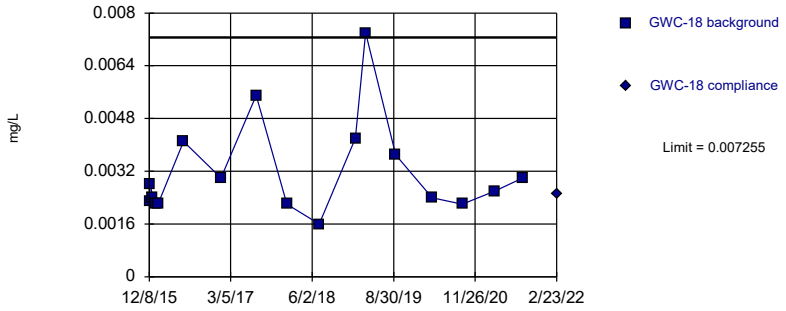
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.05511, Std. Dev.=0.01165, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8588, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

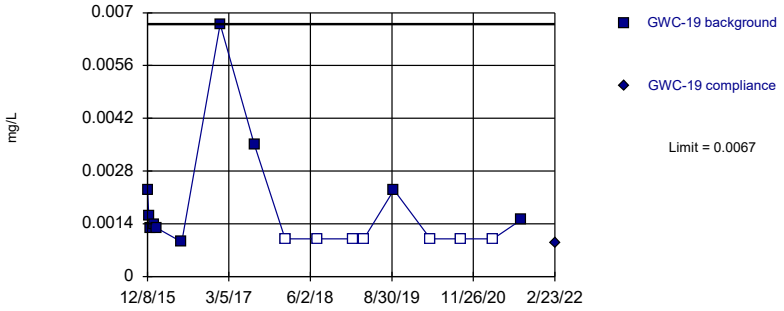
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

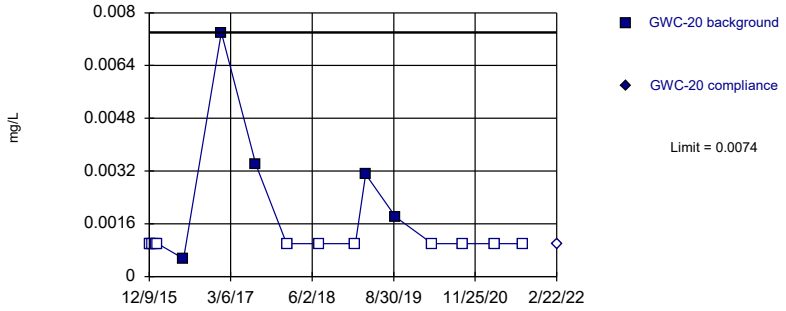
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

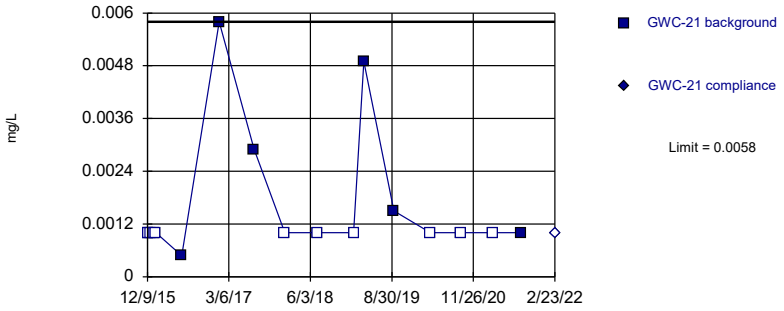
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

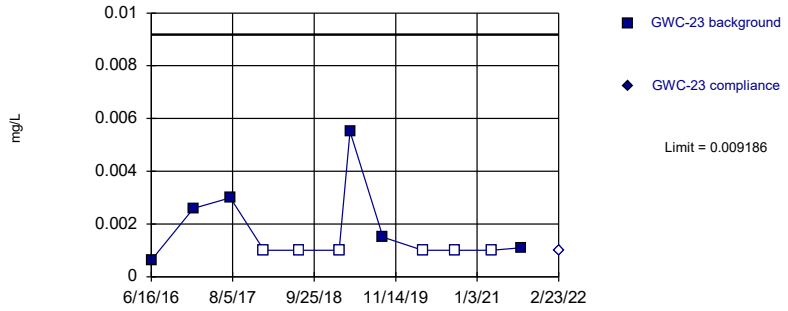
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.822, Std. Dev.=0.742, n=12, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8118, critical = 0.805. Kappa = 2.874 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

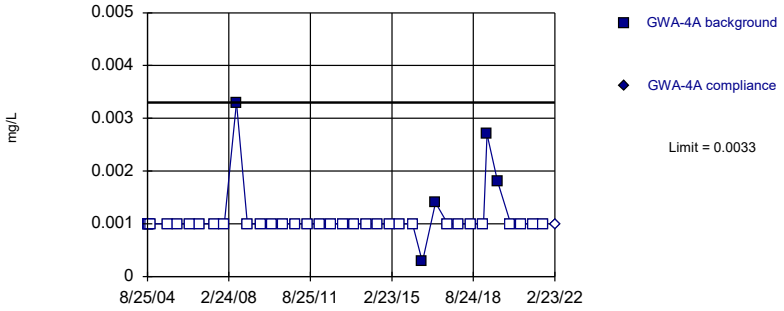
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

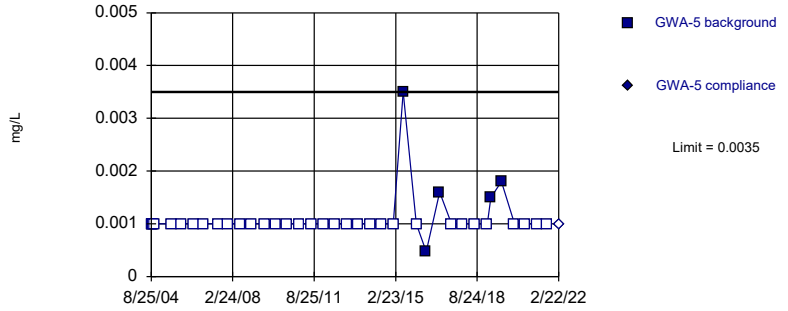
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

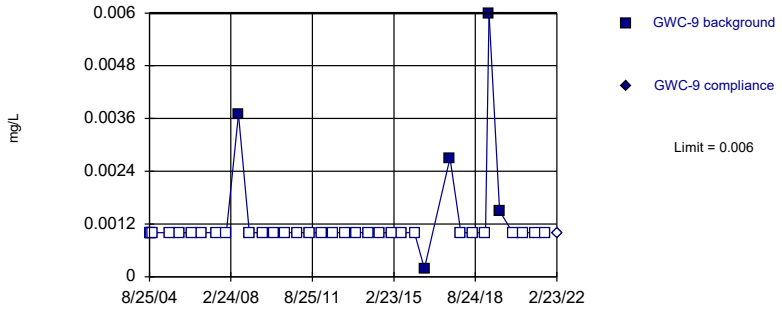
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 86.49% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

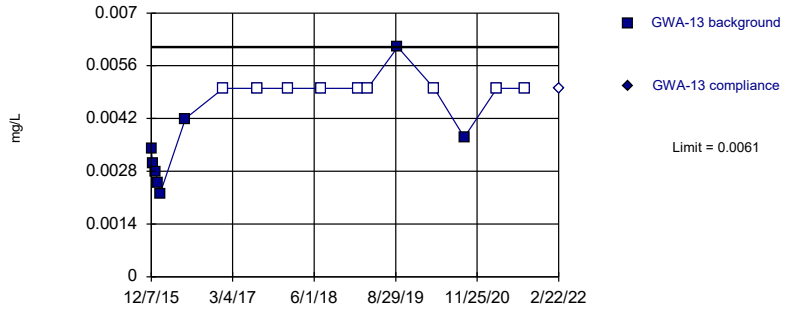
Constituent: Vanadium Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

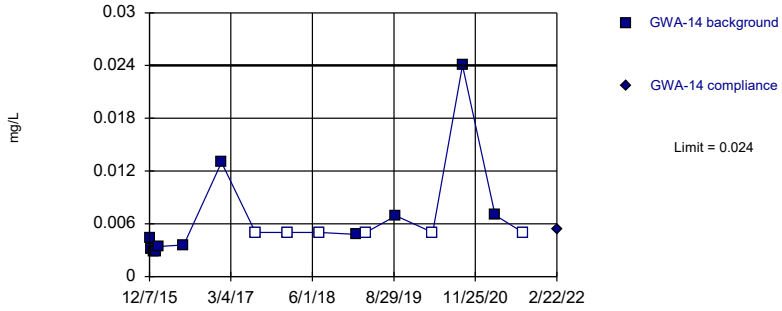
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 35.29% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

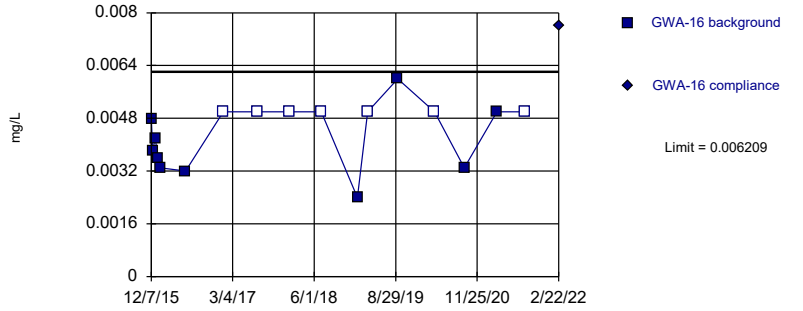
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003746, Std. Dev.=0.0009541, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8737, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

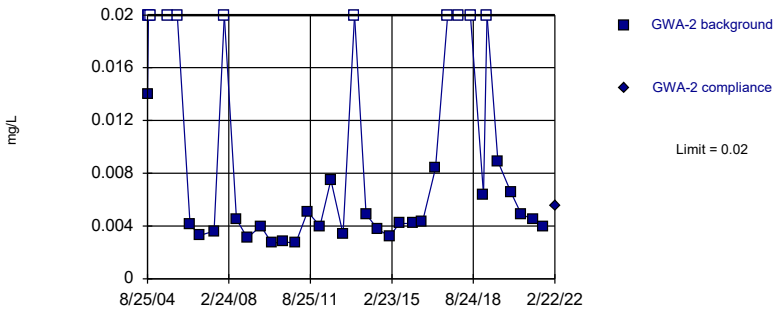
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 28.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

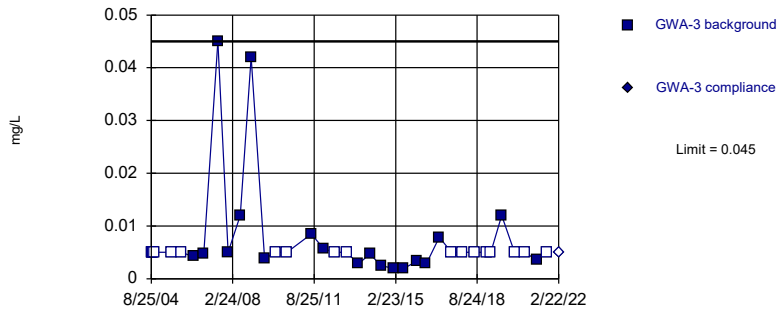
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 48.65% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

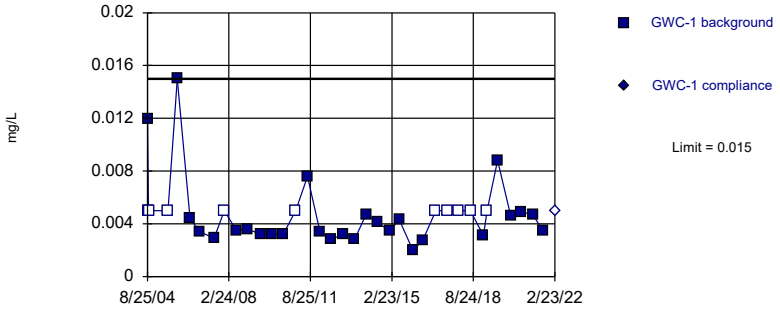
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 27.03% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

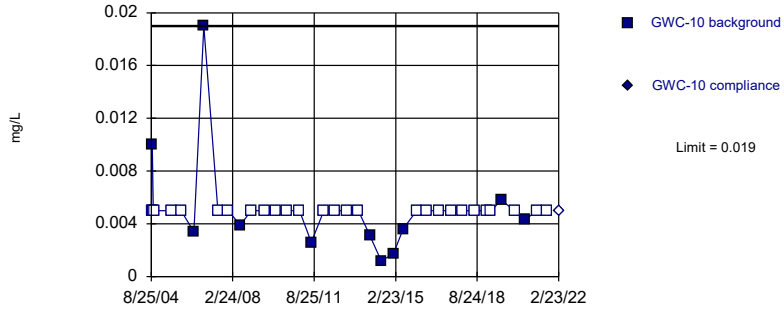
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



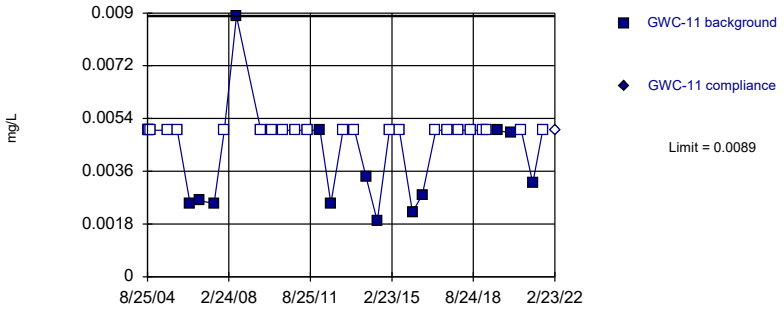
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



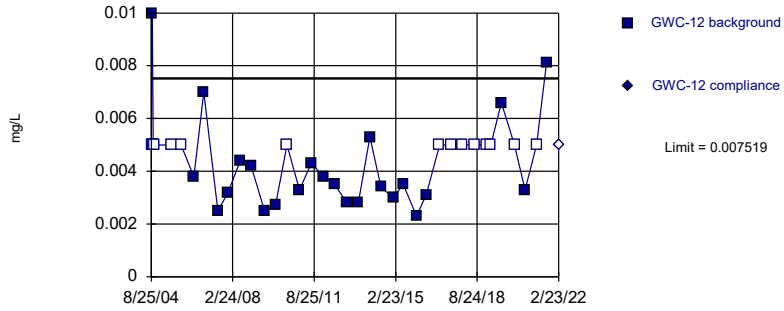
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 64.86% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



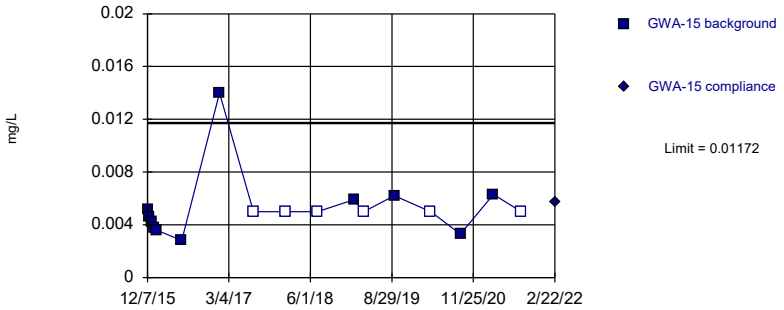
Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1521, Std. Dev.=0.01943, n=38, 36.84% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9256, critical = 0.916. Kappa = 2.257 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



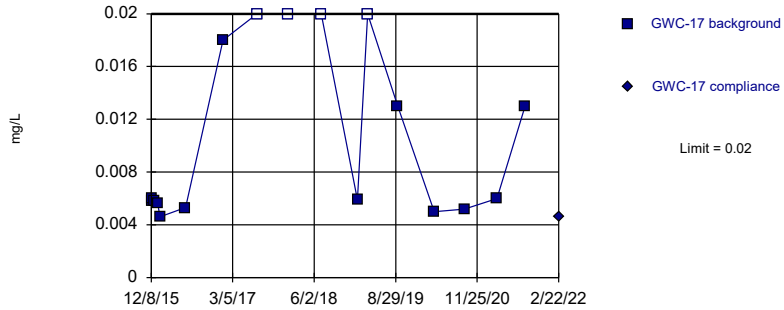
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.418, Std. Dev.=0.3761, n=17, 35.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.853, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 23.53% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

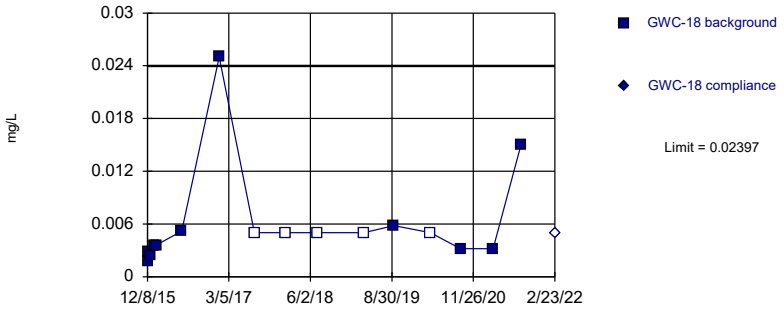
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.62, Std. Dev.=0.7225, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8673, critical = 0.844. Kappa = 2.615 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

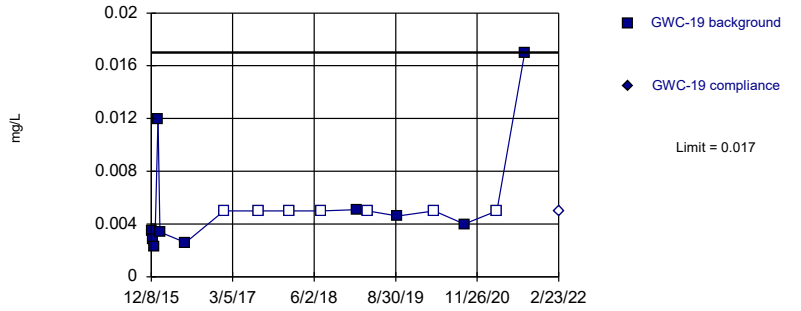
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

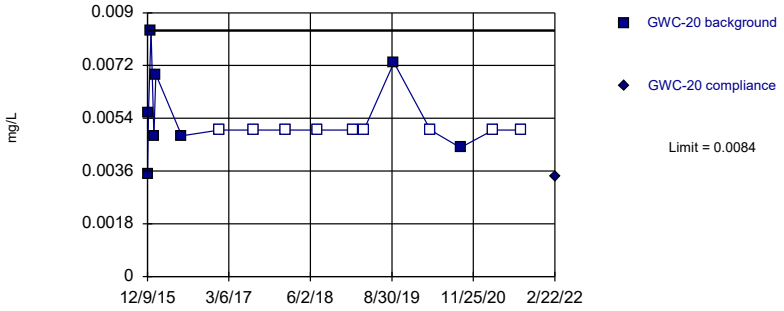
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

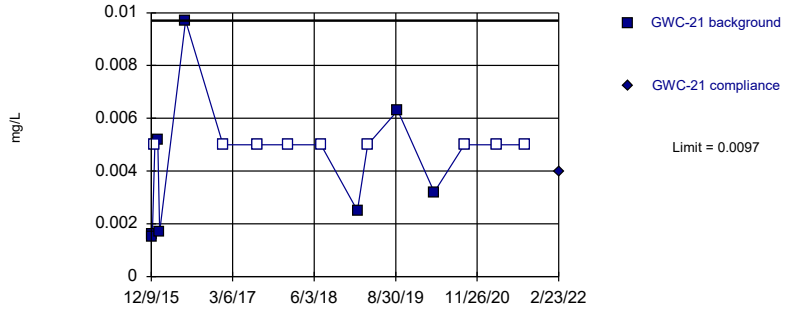
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

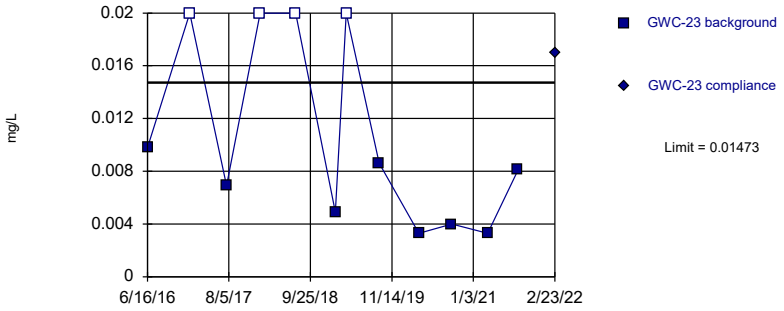
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07662, Std. Dev.=0.01557, n=12, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8412, critical = 0.805. Kappa = 2.874 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

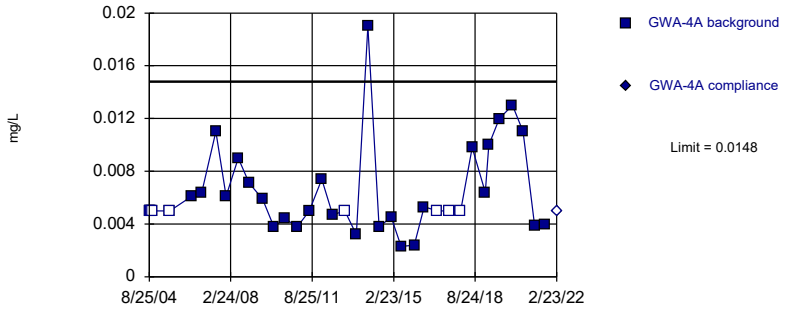
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. 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=0.1719, Std. Dev.=0.03256, n=37, 24.32% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9172, critical = 0.914. Kappa = 2.263 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

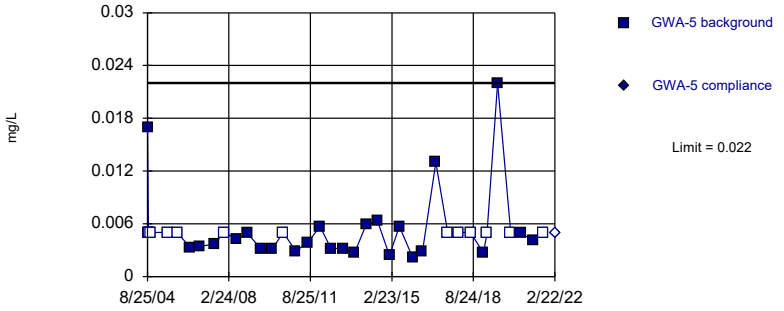
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 34.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

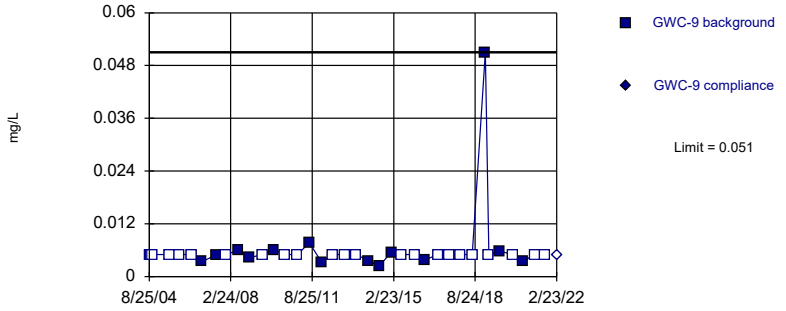
Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Zinc Analysis Run 8/2/2022 5:06 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/22/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/22/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.002

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
3/26/2019	<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	
2/22/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/22/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	<0.001	
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)	
2/23/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/23/2022		0.00048 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		0.0013

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		0.00098 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.00028 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
2/23/2022		0.00035 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
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	
2/23/2022		<0.001

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.019

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
2/22/2022		0.026

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.038

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.039

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		0.026

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.019

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
2/23/2022		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		0.041

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.026

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/23/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		0.00078 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	<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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.00031 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		0.00064 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
2/23/2022		0.00024 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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)	
2/22/2022		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		0.0018 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/23/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		0.0031

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.003

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.0025

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.0028

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
2/23/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.002

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		0.00052 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		0.00042 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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)	
2/22/2022		0.00048 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		0.0015 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		0.00037 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/23/2022		0.0017 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	0.0006 (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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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 (o)	
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)	
2/23/2022		0.00049 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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)	
2/22/2022		0.00051 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		0.0009 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		0.00079 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.0026

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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)	
2/23/2022		0.0013 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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)	
2/22/2022		0.00076 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	0.0013	
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)	
2/23/2022		0.00064 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	<0.002	
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	
2/23/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/23/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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)	
2/23/2022		0.0012 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.002

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
3/26/2019	<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	
2/22/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
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)	
2/22/2022		0.0054

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		0.00017 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		0.00026 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
3/26/2019	<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	
2/23/2022		0.00019 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	0.00052 (J)	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019	0.0004 (J)	
3/26/2019	<0.001	
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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	0.0043	
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)	
2/22/2022		0.00092 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	0.0013 (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	
2/23/2022		0.0012

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	0.0049	
1/19/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	0.0029	
1/16/2015	0.0014 (J)	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/15/2016	0.00085 (J)	
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	0.00042 (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)	
2/23/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/23/2022		0.0011

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		0.00061 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.0017

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.0011

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		0.00092 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		0.00071 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.0013

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	0.0048	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	0.0026	
7/11/2012	0.0072	
1/20/2013	0.0025	
7/19/2013	<0.001	
1/16/2014	0.0031	
7/10/2014	<0.001	
1/16/2015	0.0024 (J)	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/14/2016	0.0013 (J)	
1/10/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
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)	
2/23/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/23/2022		0.00076 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
2/22/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	<0.005	
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	
2/22/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
2/23/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	0.0058	
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	
2/23/2022		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
3/26/2019	<0.001	
9/10/2019	0.0002 (J)	
4/1/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	<0.001	
8/17/2021	0.00025 (J)	
2/22/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
2/23/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
2/22/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/22/2022		0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/22/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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 (o)	
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 (o)	
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	
2/23/2022		0.0011

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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 (o)	
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	
2/23/2022		0.0013

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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 (o)	
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 (o)	
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	
2/23/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.0025

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.00088 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
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	
2/23/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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 (o)	
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	
2/23/2022		<0.001

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.0054

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
2/22/2022		0.0076

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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)	
2/22/2022		0.0055

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/22/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-1	GWC-1
8/25/2004	0.012	
9/11/2004	<0.005	
9/26/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	0.015	
6/22/2006	0.0044	
11/28/2006	0.0034	
7/6/2007	0.0029	
12/13/2007	<0.005	
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	<0.005	
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	<0.005	
7/19/2017	<0.005	
1/11/2018	<0.005	
7/12/2018	<0.005	
1/30/2019	0.0031 (J)	
3/27/2019	<0.005	
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)	
2/23/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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	
2/22/2022		0.0057

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.0046 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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 (o)	
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	
2/23/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		0.0034 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.004 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		0.017

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	0.06 (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	<0.005	
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	<0.005	
7/18/2017	<0.005	
1/10/2018	<0.005	
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)	
2/23/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:13 PM View: Appendix I - Intrawell

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	
2/23/2022		<0.005

FIGURE H.

Appendix I Interwell Prediction Limit - Two-Step - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:18 PM

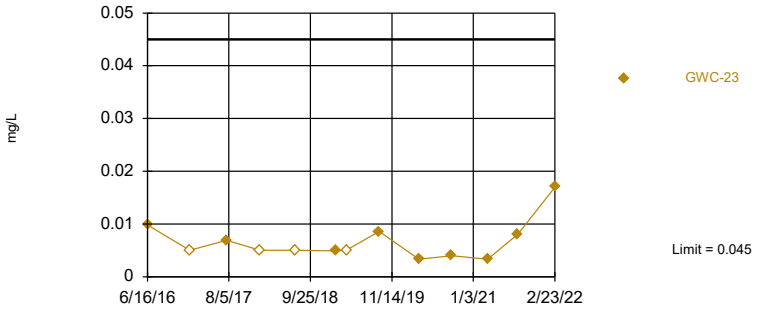
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-23	0.045	n/a	2/23/2022	0.017	No	261	n/a	n/a	35.63	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2

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 261 background values. 35.63% NDs. Annual per-constituent alpha = 0.0008845. Individual comparison alpha = 0.00004916 (1 of 2). Assumes 8 future values.

Constituent: Zinc Analysis Run 8/2/2022 5:14 PM View: Appendix I - Two-Step

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:18 PM View: Appendix I - Two-Step

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-2 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWA-15 (bg)	GWA-13 (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-18 (bg)
8/25/2004	<0.005	0.014	<0.005	0.017					
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	<0.005					
7/11/2005	<0.005	<0.005	<0.005	<0.005					
12/7/2005	<0.005	<0.005	0.06 (O)	<0.005					
6/22/2006	0.0042	0.0041	0.0061	0.0033					
11/28/2006	0.0048	0.0033	0.0064	0.0034					
7/6/2007	0.045	0.0036	0.011	0.0037					
12/13/2007	0.005	<0.005	0.0061	<0.005					
6/20/2008	0.012	0.0045	0.009	0.0042					
12/7/2008	0.042	0.0031	0.0071	0.0049					
7/9/2009	0.0038	0.004	0.0059	0.0032					
12/28/2009	<0.005	0.0027							
12/29/2009				0.0031					
12/30/2009			0.0038						
6/22/2010	<0.005	0.0028	0.0044	<0.005					
1/4/2011		0.0027	0.0038	0.0029					
1/5/2011	0.057 (O)								
7/9/2011	0.0085	0.0051		0.0038					
7/10/2011			0.005						
1/20/2012	0.0057								
1/21/2012		0.004	0.0074	0.0057					
7/11/2012	<0.005	0.0075	0.0047	0.0032					
1/19/2013	<0.005			0.0032					
1/20/2013		0.0034	<0.005						
7/18/2013	0.0028			0.0027					
7/19/2013		<0.005	0.0032						
1/15/2014	0.0047	0.0049		0.0059					
1/16/2014			0.019						
7/10/2014			0.0038	0.0064					
7/11/2014	0.0025	0.0038							
1/15/2015	0.002 (J)			0.0024 (J)					
1/16/2015		0.0032	0.0045						
6/19/2015	0.0019 (J)			0.0057					
6/20/2015		0.0042	0.0023 (J)						
12/7/2015					0.0052	0.0034	0.0048	0.0044	
12/8/2015									0.0017 (J)
12/14/2015							0.0038		0.0028
12/15/2015					0.0046	0.003		0.0031	
12/28/2015					0.0042		0.0042		0.0024 (J)
12/29/2015						0.0028		0.0028	
1/13/2016					0.0038	0.0025	0.0036	0.0028	
1/14/2016			0.0024 (J)	0.0022 (J)					0.0036
1/16/2016	0.0033	0.0042							
1/25/2016					0.0036	0.0022 (J)	0.0033	0.0034	
1/26/2016									0.0036
6/14/2016	0.0028 (J)	0.0043 (J)	0.0053 (J)	0.0028 (J)		0.0042 (J)		0.0036 (J)	
6/15/2016					0.0028 (J)		0.0032 (J)		
6/16/2016									0.0052 (J)
1/10/2017	0.0079 (J)	0.0084 (J)	<0.005						
1/11/2017				0.013 (J)	0.014 (J)		<0.005	0.013 (J)	0.025

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:18 PM View: Appendix I - Two-Step
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-2 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWA-15 (bg)	GWA-13 (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-18 (bg)
1/12/2017						<0.005			
1/17/2017									
7/17/2017		<0.005							
7/18/2017	<0.005		<0.005	<0.005		<0.005			
7/19/2017					<0.005		<0.005	<0.005	
7/25/2017									<0.005
1/10/2018	<0.005	<0.005	<0.005	<0.005		<0.005			
1/11/2018					<0.005		<0.005	<0.005	
1/12/2018									<0.005
7/11/2018	<0.005	<0.005	0.0098 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
7/12/2018									
1/29/2019	<0.005	0.0064 (J)	0.0064 (J)	0.0027 (J)	0.0059 (J)	<0.005	0.0024 (J)	0.0048 (J)	
1/30/2019									0.5 (o)
3/26/2019			0.01	<0.005	<0.005	<0.005	<0.005	<0.005	
3/27/2019	<0.005	<0.005							<0.005
9/10/2019			0.012	0.022		0.0061	0.006	0.0069	
9/11/2019	0.012	0.0089			0.0062				0.0058
3/31/2020			0.013	<0.005		<0.005			
4/1/2020	<0.005	0.0066			<0.005		<0.005	<0.005	<0.005
9/15/2020	<0.005	0.0049 (J)		0.0049 (J)	0.0033 (J)	0.0037 (J)	0.0033 (J)	0.024	0.0032 (J)
9/16/2020			0.011						
3/16/2021	0.0035 (J)	0.0045 (J)				<0.005	0.005	0.007	
3/17/2021			0.0039 (J)	0.0041 (J)	0.0063				0.0032 (J)
8/17/2021	<0.005	0.004 (J)					<0.005	<0.005	
8/18/2021						<0.005			
8/19/2021			0.004 (J)	<0.005	<0.005				0.015
2/22/2022	<0.005	0.0055		<0.005	0.0057	<0.005	0.0076	0.0054	
2/23/2022			<0.005						<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:18 PM View: Appendix I - Two-Step
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	0.0058	
12/14/2015	0.006	
12/15/2015		
12/28/2015	0.0058	
12/29/2015		
1/13/2016	0.0056	
1/14/2016		
1/16/2016		
1/25/2016		
1/26/2016	0.0046	
6/14/2016		
6/15/2016	0.0053 (J)	
6/16/2016		0.0098 (J)
1/10/2017		
1/11/2017	0.018 (J)	

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 8/2/2022 5:18 PM View: Appendix I - Two-Step

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-23
1/12/2017		
1/17/2017		<0.005
7/17/2017		
7/18/2017		
7/19/2017	<0.005	
7/25/2017		0.0069 (J)
1/10/2018		
1/11/2018	<0.005	
1/12/2018		<0.005
7/11/2018	<0.005	
7/12/2018		<0.005
1/29/2019	0.0059 (J)	
1/30/2019		0.0049 (J)
3/26/2019		
3/27/2019	<0.005	<0.005
9/10/2019		
9/11/2019	0.013	0.0086
3/31/2020		
4/1/2020	0.005	0.0033 (J)
9/15/2020	0.0052	0.004 (J)
9/16/2020		
3/16/2021	0.006	
3/17/2021		0.0033 (J)
8/17/2021		
8/18/2021		
8/19/2021	0.013	0.0081
2/22/2022	0.0046 (J)	
2/23/2022		0.017

FIGURE I.

Appendix I Trend Tests - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Zinc (mg/L)	**GWA-14 (bg)**	**0.0004927**	**81**	**68**	**Yes**	**18**	**33.33**	**n/a**	**n/a**	**0.01**	**NP**

Appendix I Trend Tests - All Results

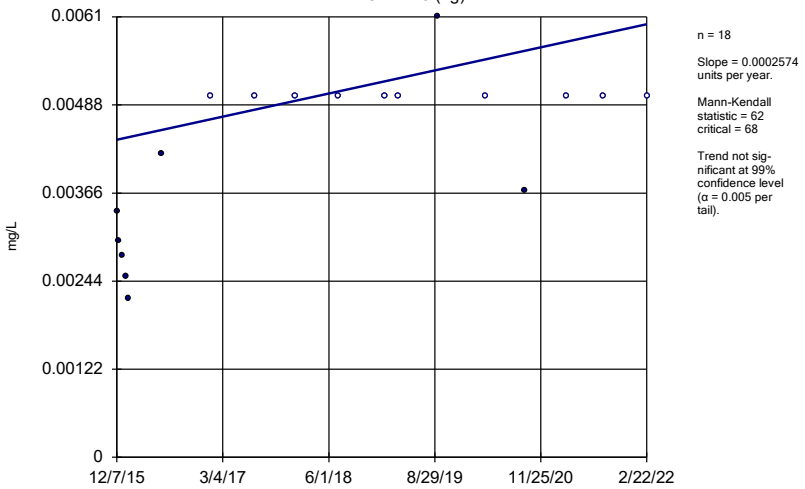
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:23 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Zinc (mg/L)	GWA-13 (bg)	0.0002574	62	68	No	18	55.56	n/a	n/a	0.01	NP
Zinc (mg/L)	**GWA-14 (bg)**	**0.0004927**	**81**	**68**	**Yes**	**18**	**33.33**	**n/a**	**n/a**	**0.01**	**NP**
Zinc (mg/L)	GWA-16 (bg)	0.0001533	48	68	No	18	38.89	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-2 (bg)	0	11	214	No	39	28.21	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0	-61	-206	No	38	50	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-15 (bg)	0.0001555	32	68	No	18	33.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-17 (bg)	0	-3	-68	No	18	22.22	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-18 (bg)	0.0003986	43	63	No	17	35.29	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-23	-0.0008752	-23	-43	No	13	30.77	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-4A (bg)	0	28	206	No	38	26.32	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-5 (bg)	0	-18	-214	No	39	35.9	n/a	n/a	0.01	NP

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-13 (bg)



n = 18

Slope = 0.0002574 units per year.

Mann-Kendall statistic = 62
critical = 68

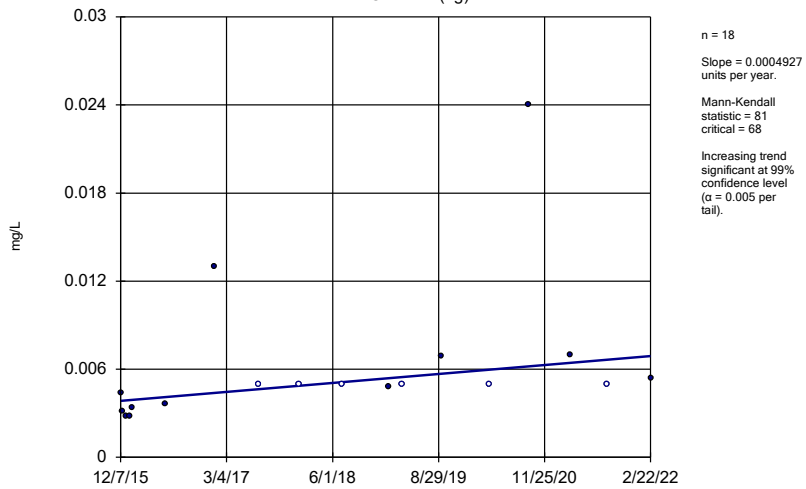
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-14 (bg)



n = 18

Slope = 0.0004927 units per year.

Mann-Kendall statistic = 81
critical = 68

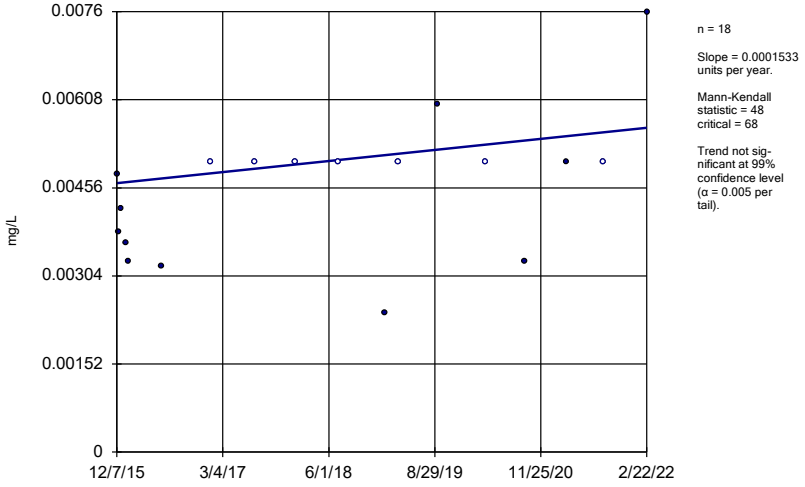
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-16 (bg)



n = 18

Slope = 0.0001533 units per year.

Mann-Kendall statistic = 48
critical = 68

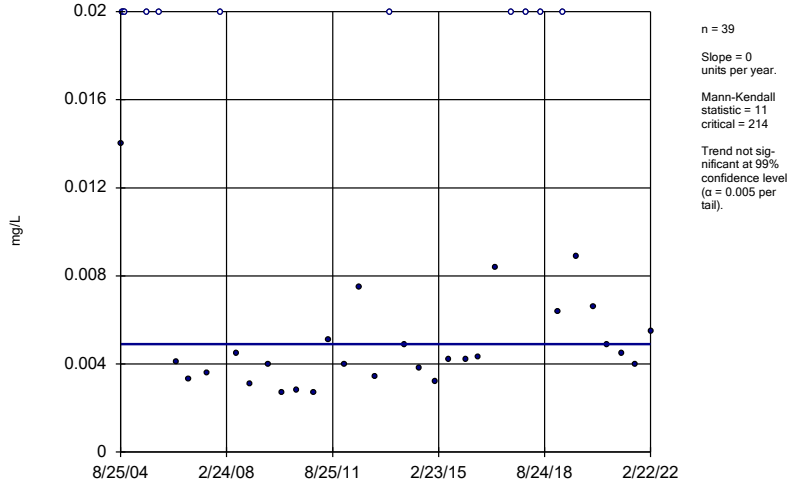
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 39

Slope = 0 units per year.

Mann-Kendall statistic = 11
critical = 214

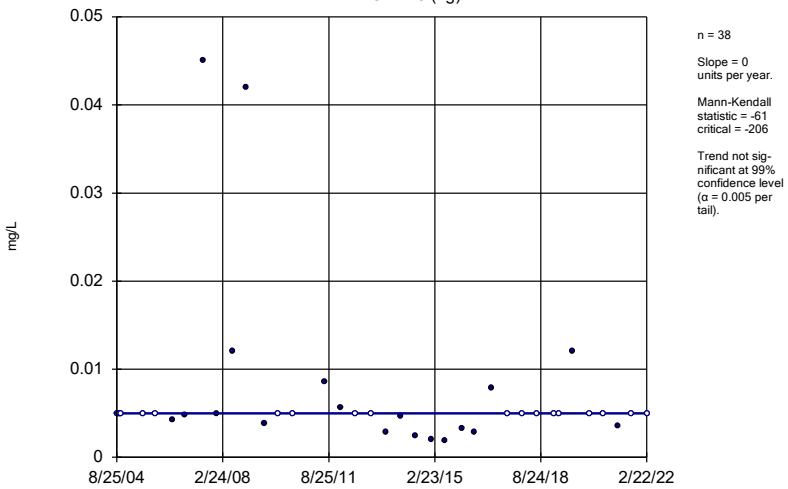
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 38

Slope = 0 units per year.

Mann-Kendall statistic = -61
critical = -206

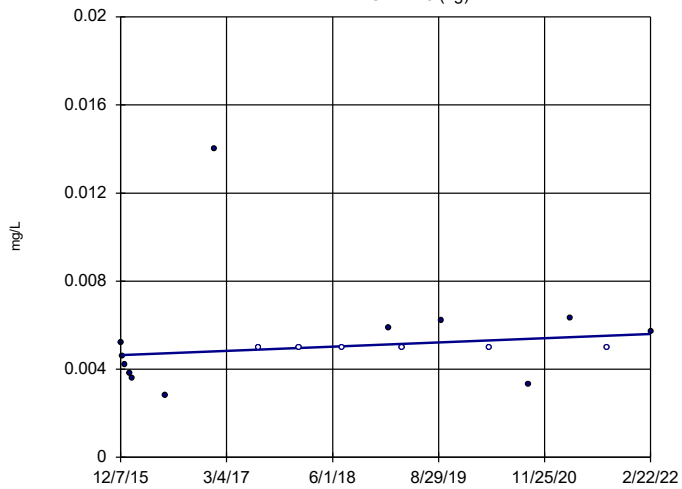
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-15 (bg)



n = 18

Slope = 0.0001555 units per year.

Mann-Kendall statistic = 32
critical = 68

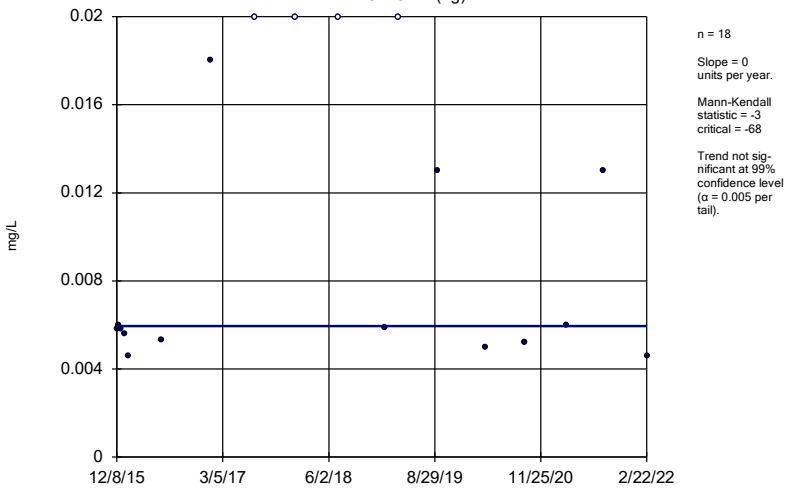
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-17 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -68

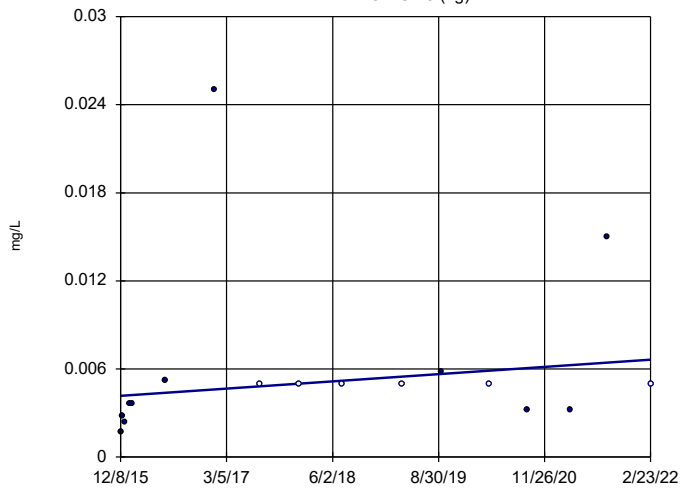
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-18 (bg)



n = 17

Slope = 0.0003986 units per year.

Mann-Kendall statistic = 43
critical = 63

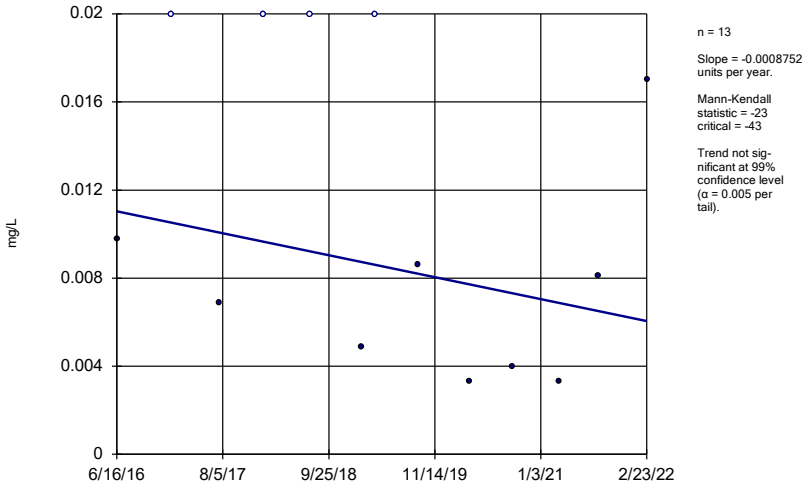
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-23



n = 13

Slope = -0.0008752 units per year.

Mann-Kendall statistic = -23
critical = -43

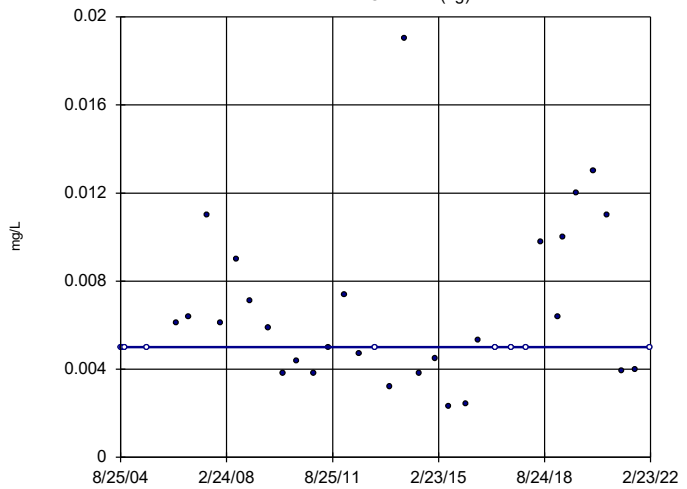
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4A (bg)



n = 38

Slope = 0 units per year.

Mann-Kendall statistic = 28
critical = 206

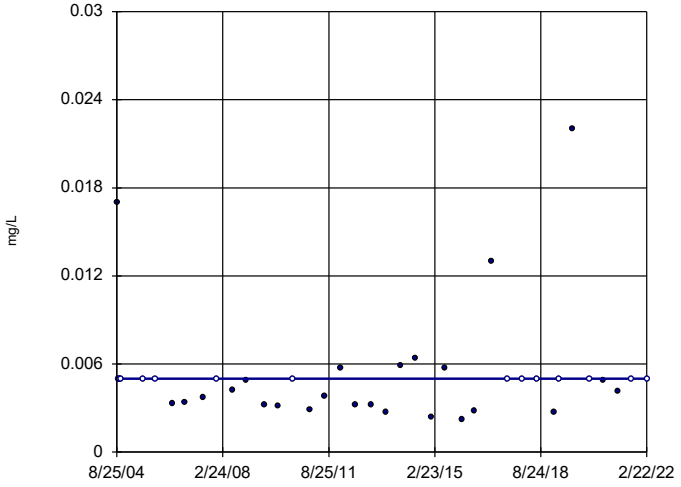
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-5 (bg)



n = 39

Slope = 0 units per year.

Mann-Kendall statistic = -18
critical = -214

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 8/2/2022 5:20 PM View: Appendix I - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

FIGURE J.

Appendix III Intrawell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	**GWC-12**	**1**	**n/a**	**2/23/2022**	**1.1**	**Yes**	**18**	**n/a**	**n/a**	**61.11**	**n/a**	**n/a**	**0.005373**	**NP Intra (NDs) 1 of 2**
Sulfate (mg/L)	**GWC-19**	**2.906**	**n/a**	**2/23/2022**	**3.1**	**Yes**	**18**	**1.956**	**0.4137**	**0**	**None**	**No**	**0.0008358**	**Param Intra 1 of 2**

Appendix III Intrawell Prediction Limit - All Results

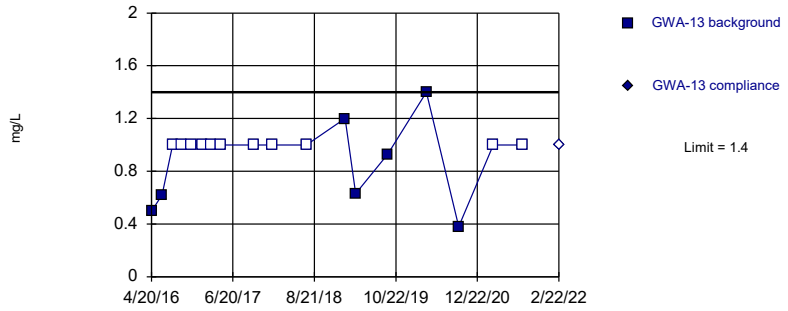
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 5:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-13	1.4	n/a	2/22/2022	1ND	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	2.481	n/a	2/22/2022	1ND	No	16	1.001	0.2444	31.25	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16	1	n/a	2/22/2022	1ND	No	18	n/a	n/a	66.67	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.7	n/a	2/22/2022	1ND	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-3	1.172	n/a	2/22/2022	1ND	No	18	0.6226	0.4296	44.44	Kaplan-Meier	x^3	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.421	n/a	2/23/2022	1.6	No	18	1.493	0.4043	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	5.704	n/a	2/23/2022	3.4	No	18	3.391	1.008	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.207	n/a	2/23/2022	2.9	No	18	4.554	0.7201	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	**GWC-12**	**1**	**n/a**	**2/23/2022**	**1.1**	**Yes**	**18**	**n/a**	**n/a**	**61.11**	**n/a**	**n/a**	**0.005373**	**NP Intra (NDs) 1 of 2**
Sulfate (mg/L)	GWA-15	1.2	n/a	2/22/2022	1ND	No	18	n/a	n/a	55.56	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	1.8	n/a	2/22/2022	1ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-18	6.18	n/a	2/23/2022	4.5	No	18	4.48	0.7404	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	**GWC-19**	**2.906**	**n/a**	**2/23/2022**	**3.1**	**Yes**	**18**	**1.956**	**0.4137**	**0**	**None**	**No**	**0.0008358**	**Param Intra 1 of 2**
Sulfate (mg/L)	GWC-20	2.893	n/a	2/22/2022	1.4	No	16	1.468	0.6062	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.761	n/a	2/23/2022	1	No	18	0.9549	0.3511	16.67	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	3.614	n/a	2/23/2022	2.4	No	17	2.418	0.5151	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-4A	13.33	n/a	2/23/2022	2.7	No	18	6.884	2.809	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-5	1	n/a	2/22/2022	1ND	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.1	n/a	2/23/2022	1ND	No	18	n/a	n/a	38.89	n/a	n/a	0.005373	NP Intra (normality) 1 of 2

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



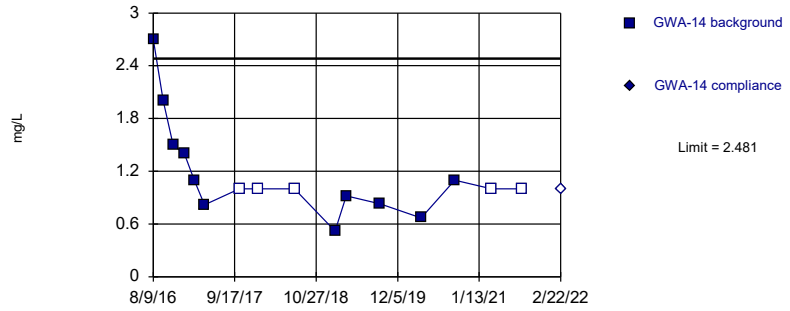
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 61.11% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate Analysis Run 8/2/2022 5:24 PM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



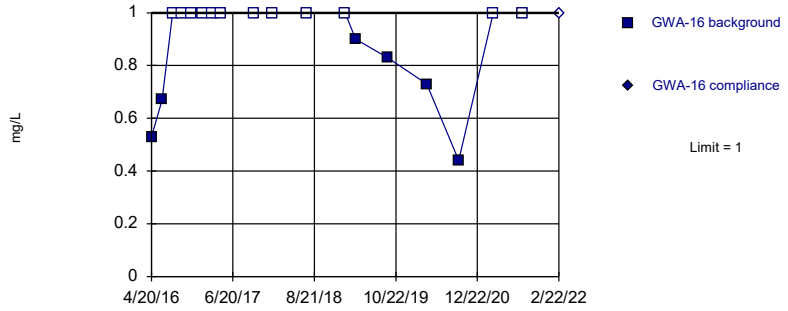
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=1.001, Std. Dev.=0.2444, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.876, critical = 0.844. Kappa = 2.351 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



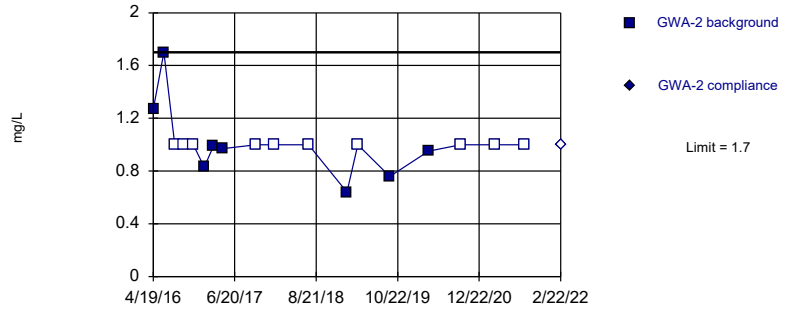
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

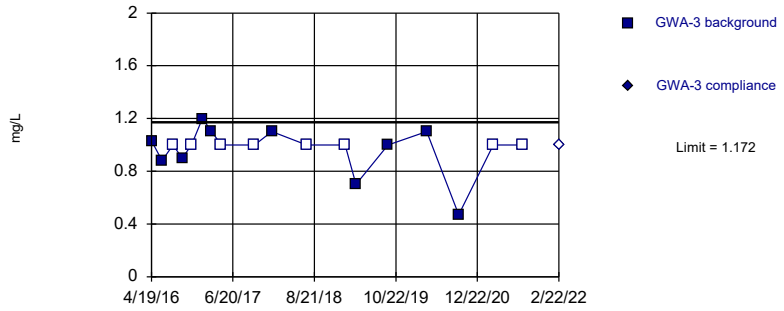
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation) (after Kaplan-Meier Adjustment): Mean=0.6226, Std. Dev.=0.4296, n=18, 44.44% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8848, critical = 0.858. Kappa = 2.296 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

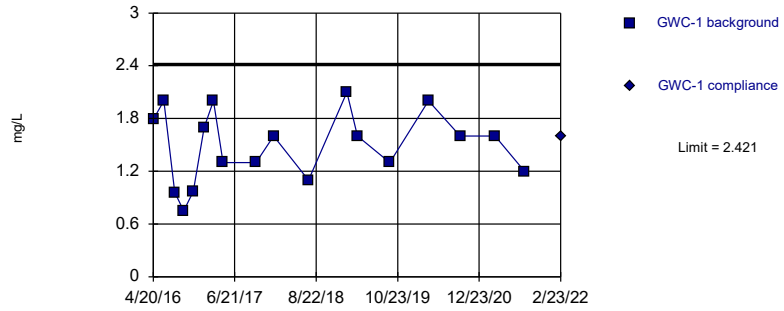
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.493, Std. Dev.=0.4043, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9503, critical = 0.858. Kappa = 2.296 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

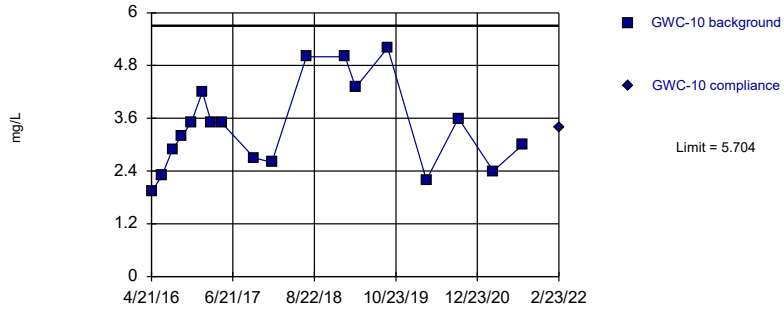
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=3.391, Std. Dev.=1.008, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9379, critical = 0.858. Kappa = 2.296 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

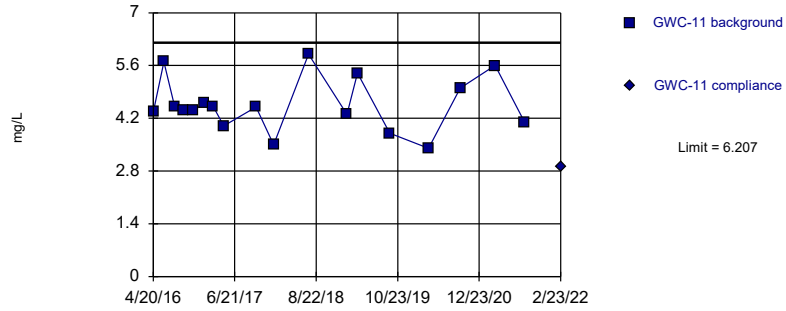
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.554, Std. Dev.=0.7201, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9388, critical = 0.858. Kappa = 2.296 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

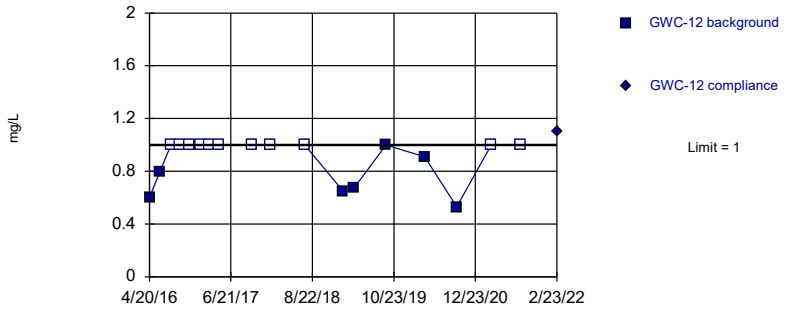
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 61.11% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

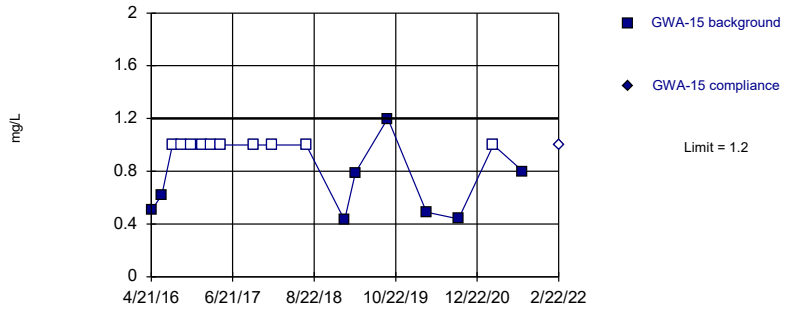
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

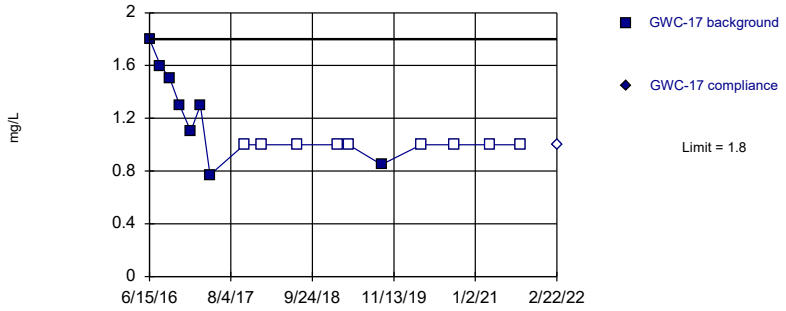
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

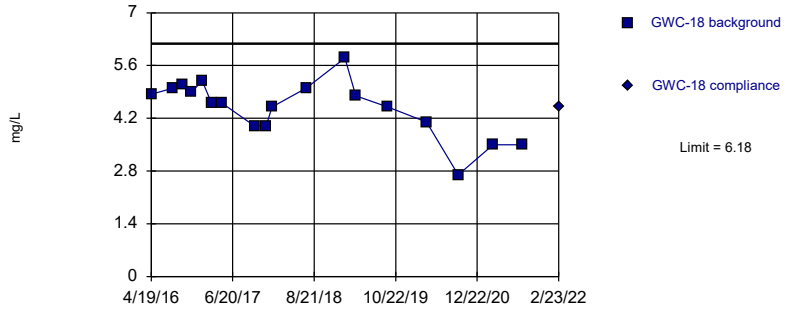
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



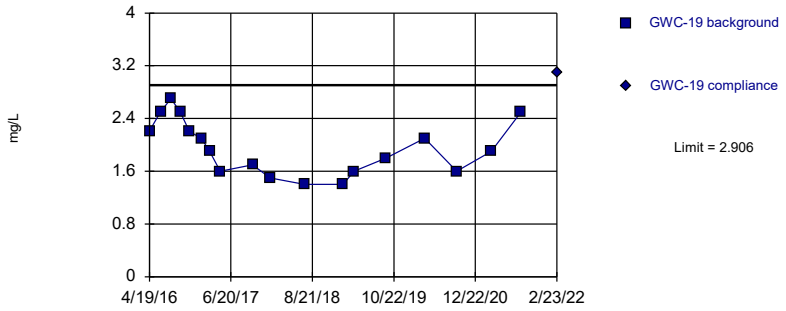
Background Data Summary: Mean=4.48, Std. Dev.=0.7404, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9509, critical = 0.858. Kappa = 2.296 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.956, Std. Dev.=0.4137, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9332, critical = 0.858. Kappa = 2.296 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

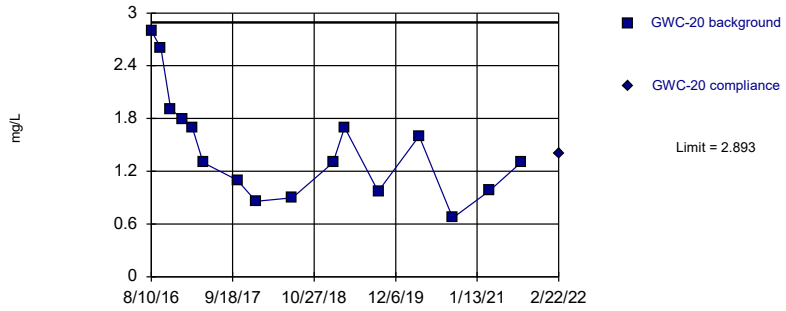
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.468, Std. Dev.=0.6062, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.914, critical = 0.844. Kappa = 2.351 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

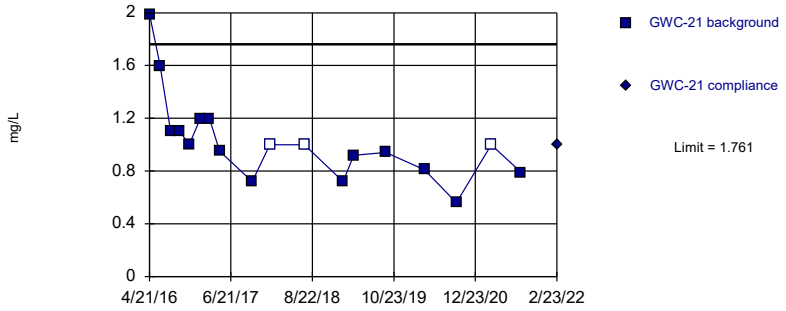
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.9549, Std. Dev.=0.3511, n=18, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8598, critical = 0.858. Kappa = 2.296 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

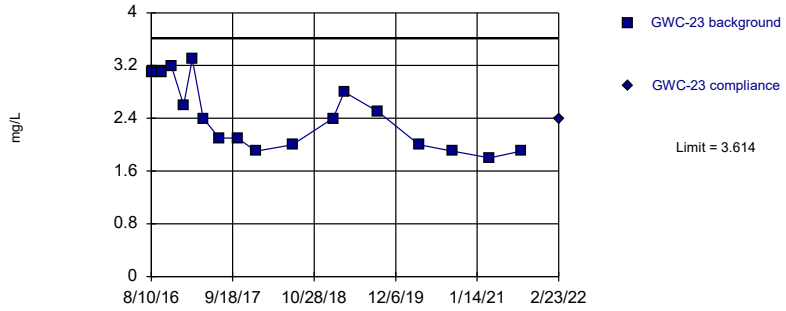
Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.418, Std. Dev.=0.5151, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8887, critical = 0.851. Kappa = 2.323 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

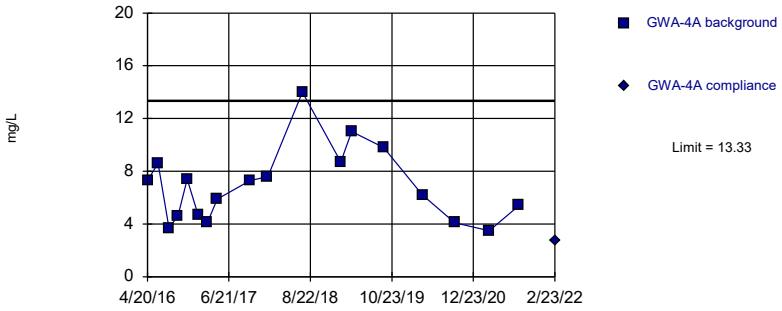
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.884, Std. Dev.=2.809, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9232, critical = 0.858. Kappa = 2.296 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

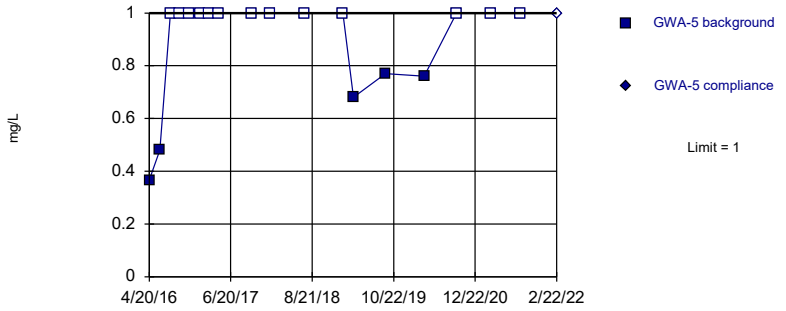
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 72.22% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

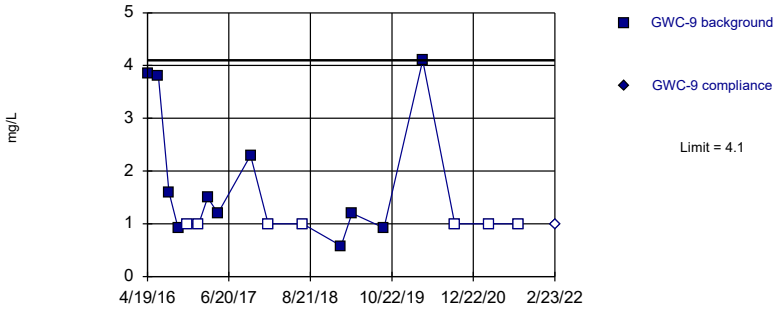
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. 38.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate Analysis Run 8/2/2022 5:25 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-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	
2/22/2022		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		1.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		3.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		2.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		1.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-15	GWA-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)	
2/22/2022		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		4.5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		3.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/22/2022		1.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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)	
2/23/2022		1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		2.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-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	
2/23/2022		2.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5	GWA-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	
2/22/2022		<1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 5:41 PM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	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	
2/23/2022		<1

FIGURE K.

Appendix III Interwell Prediction Limit - Two-Step - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:39 PM

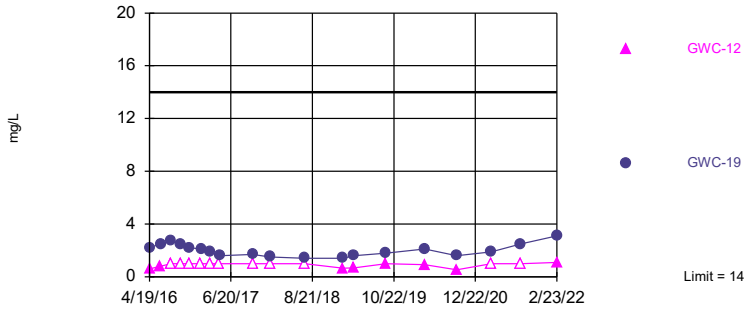
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-12	14	n/a	2/23/2022	1.1	No	190	n/a	n/a	45.26	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-19	14	n/a	2/23/2022	3.1	No	190	n/a	n/a	45.26	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2

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 190 background values. 45.26% NDs. Annual per-constituent alpha = 0.0009869. Individual comparison alpha = 0.00005485 (1 of 2). Comparing 2 points to limit. Assumes 7 future values.

Constituent: Sulfate Analysis Run 8/2/2022 6:38 PM View: Appendix III - Two-Step

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 6:39 PM View: Appendix III - Two-Step

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-2 (bg)	GWC-18 (bg)	GWC-19	GWC-12	GWC-17 (bg)	GWA-16 (bg)	GWA-14 (bg)	GWA-4A (bg)
4/19/2016	1.03	1.27	4.84	2.21					
4/20/2016					0.601 (J)	2.93	0.53 (J)	5.85	7.31
4/21/2016									
6/14/2016	0.88 (J)	1.7						4.6	8.6
6/15/2016					0.8 (J)	1.8	0.67 (J)		
6/16/2016			9 (O)	2.5					
8/9/2016	<1	<1				1.6	<1	2.7	
8/10/2016				2.7	<1				
8/11/2016			5						3.7
9/26/2016		<1							
9/27/2016	0.9 (J)				<1	1.5	<1	2	4.6
9/28/2016			5.1	2.5					
11/14/2016	<1								7.4
11/15/2016		<1		2.2	<1	1.3	<1	1.5	
11/16/2016			4.9						
1/10/2017	1.2	0.83 (J)							4.7
1/11/2017			5.2			1.1	<1	1.4	
1/12/2017					<1				
1/16/2017				2.1					
2/28/2017	1.1	0.99 (J)						1.1	4.1
3/1/2017			4.6	1.9	<1	1.3	<1		
4/19/2017	<1	0.97 (J)							
4/20/2017					<1	0.77 (J)	<1	0.82 (J)	5.9
4/25/2017			4.6	1.6					
10/10/2017		<1							7.3
10/11/2017	<1					<1	<1	<1	
10/12/2017			4	1.7	<1				
12/13/2017			4						
1/10/2018	1.1	<1							7.6
1/11/2018					<1	<1	<1	<1	
1/12/2018			4.5	1.5					
7/11/2018	<1	<1	5	1.4		<1	<1	<1	14
7/12/2018					<1				
1/29/2019	<1	0.64 (J)		1.4		<1	<1	0.52 (J)	8.7
1/30/2019			5.8		0.65 (J)				
3/26/2019							0.9	0.92	11
3/27/2019	0.7	<1	4.8	1.6	0.67	<1			
9/10/2019							0.83 (J)	0.83 (J)	9.8
9/11/2019	1	0.76 (J)	4.5	1.8	1	0.85 (J)			
3/31/2020									6.2
4/1/2020	1.1	0.95 (J)	4.1	2.1	0.91 (J)	<1	0.73 (J)	0.67 (J)	
9/15/2020	0.47 (J)	<1	2.7			<1	0.44 (J)	1.1	
9/16/2020				1.6	0.53 (J)				4.1
3/16/2021	<1	<1		1.9	<1	<1	<1	<1	
3/17/2021			3.5						3.5
8/17/2021	<1	<1					<1	<1	
8/18/2021					<1				
8/19/2021			3.5	2.5		<1			5.4
2/22/2022	<1	<1				<1	<1	<1	
2/23/2022			4.5	3.1	1.1				2.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/2/2022 6:39 PM View: Appendix III - Two-Step

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-13 (bg)	GWA-15 (bg)
4/19/2016			
4/20/2016	0.367 (J)	0.496 (J)	
4/21/2016			0.503 (J)
6/14/2016	0.48 (J)	0.62 (J)	
6/15/2016			0.62 (J)
6/16/2016			
8/9/2016	<1	<1	<1
8/10/2016			
8/11/2016			
9/26/2016			
9/27/2016	<1	<1	<1
9/28/2016			
11/14/2016			
11/15/2016	<1	<1	<1
11/16/2016			
1/10/2017			
1/11/2017	<1		<1
1/12/2017		<1	
1/16/2017			
2/28/2017	<1	<1	<1
3/1/2017			
4/19/2017			
4/20/2017	<1	<1	<1
4/25/2017			
10/10/2017			
10/11/2017	<1	<1	<1
10/12/2017			
12/13/2017			
1/10/2018	<1	<1	
1/11/2018			<1
1/12/2018			
7/11/2018	<1	<1	<1
7/12/2018			
1/29/2019	<1	1.2	0.43 (J)
1/30/2019			
3/26/2019	0.68	0.63	0.79
3/27/2019			
9/10/2019	0.77 (J)	0.93 (J)	
9/11/2019			1.2
3/31/2020	0.76 (J)	1.4	
4/1/2020			0.49 (J)
9/15/2020	<1	0.38 (J)	0.44 (J)
9/16/2020			
3/16/2021		<1	
3/17/2021	<1		<1
8/17/2021			
8/18/2021		<1	
8/19/2021	<1		0.8 (J)
2/22/2022	<1	<1	<1
2/23/2022			

FIGURE L.

Appendix III Interwell Prediction Limit - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:42 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	**GWC-9**	**9.4**	**n/a**	**2/23/2022**	**9.9**	**Yes**	**189**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005542**	**NP Inter (normality) 1 of 2**

Appendix III Interwell Prediction Limit - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:42 PM

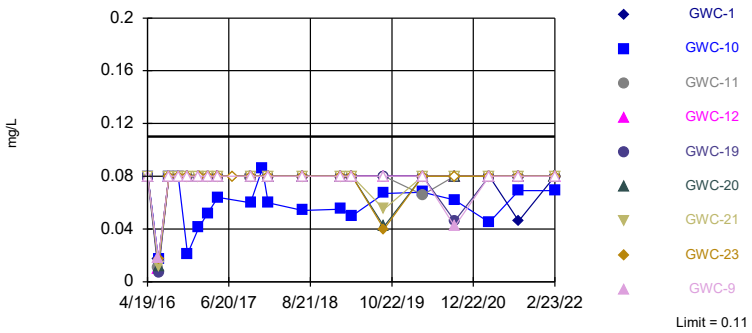
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.11	n/a	2/23/2022	0.069J	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.11	n/a	2/22/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.11	n/a	2/23/2022	0.08ND	No	190	n/a	n/a	87.37	n/a	n/a	0.00005485	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	2/23/2022	1.4	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	2/23/2022	22	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	2/23/2022	8.1	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	2/23/2022	0.64	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	2/23/2022	6.3	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	2/22/2022	1.3	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	2/23/2022	1.1	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	2/23/2022	0.92	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	2/23/2022	1	No	191	n/a	n/a	0	n/a	n/a	0.00005428	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	9.4	n/a	2/23/2022	5.6	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	9.4	n/a	2/23/2022	6.8	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	9.4	n/a	2/23/2022	4.8	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	9.4	n/a	2/23/2022	4.1	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	9.4	n/a	2/23/2022	5.8	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	9.4	n/a	2/22/2022	7.7	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	9.4	n/a	2/23/2022	7.3	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	9.4	n/a	2/23/2022	5.2	No	189	n/a	n/a	0	n/a	n/a	0.00005542	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-9**	**9.4**	**n/a**	**2/23/2022**	**9.9**	**Yes**	**189**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00005542**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	GWC-1	0.74	n/a	2/23/2022	0.1ND	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	2/23/2022	0.13	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	2/23/2022	0.36	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	2/23/2022	0.043J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	2/23/2022	0.11	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	2/22/2022	0.033J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	2/23/2022	0.037J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	2/23/2022	0.03J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	2/23/2022	0.049J	No	191	n/a	n/a	63.35	n/a	n/a	0.00005428	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	2/23/2022	4.92	No	210	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	2/23/2022	6.46	No	210	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	2/23/2022	6.28	No	210	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	2/23/2022	5.1	No	210	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	2/23/2022	5.63	No	210	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	2/22/2022	5.02	No	210	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	2/23/2022	4.87	No	210	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	2/23/2022	5.11	No	210	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	2/23/2022	5.07	No	210	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	2/23/2022	31	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	2/23/2022	130	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	2/23/2022	70	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	2/23/2022	16	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	2/23/2022	41	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	2/22/2022	33	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	2/23/2022	26	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	2/23/2022	23	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	2/23/2022	30	No	190	n/a	n/a	10.53	n/a	n/a	0.00005485	NP Inter (normality) 1 of 2

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Limit = 0.11

Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 190 background values. 87.37% NDs. Annual per-constituent alpha = 0.0009869. Individual comparison alpha = 0.00005485 (1 of 2). Comparing 9 points to limit.

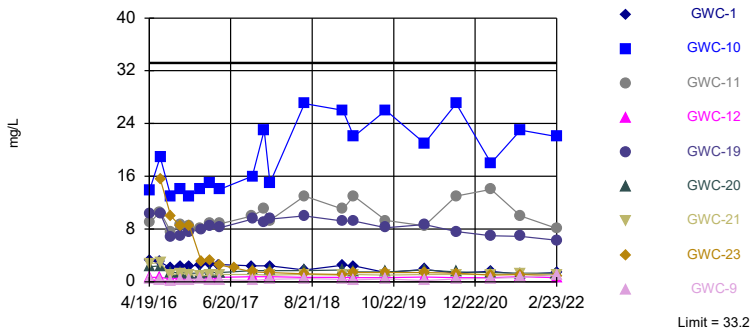
Constituent: Boron Analysis Run 8/2/2022 6:40 PM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Interwell Non-parametric



Limit = 33.2

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 191 background values. Annual per-constituent alpha = 0.0009767. Individual comparison alpha = 0.00005428 (1 of 2). Comparing 9 points to limit.

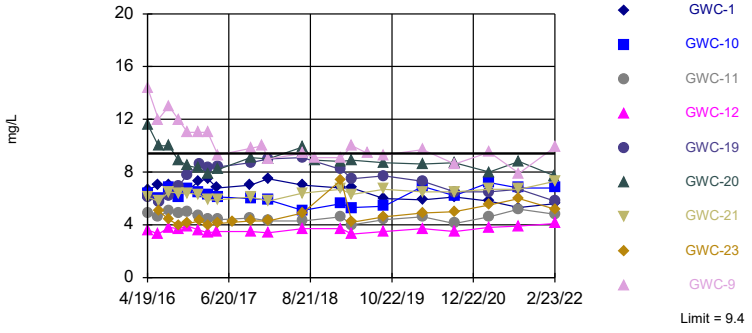
Constituent: Calcium Analysis Run 8/2/2022 6:40 PM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Exceeds Limit: GWC-9

Prediction Limit

Interwell Non-parametric



Limit = 9.4

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 189 background values. Annual per-constituent alpha = 0.0009972. Individual comparison alpha = 0.00005542 (1 of 2). Comparing 9 points to limit.

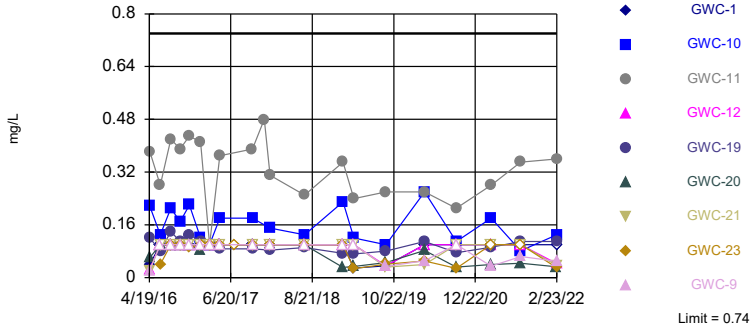
Constituent: Chloride Analysis Run 8/2/2022 6:40 PM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Limit = 0.74

Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 191 background values. 63.35% NDs. Annual per-constituent alpha = 0.0009767. Individual comparison alpha = 0.00005428 (1 of 2). Comparing 9 points to limit.

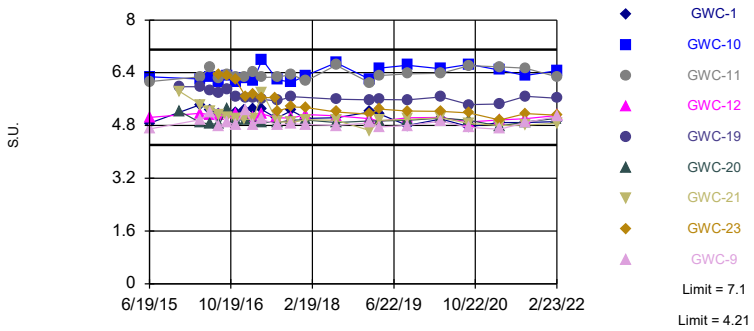
Constituent: Fluoride Analysis Run 8/2/2022 6:40 PM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

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 210 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 8/2/2022 6:40 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

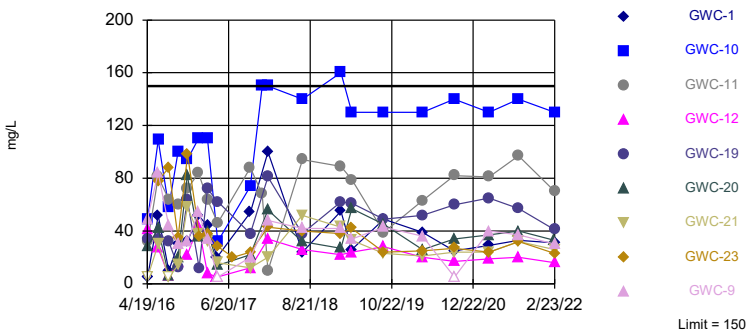
Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 190 background values. 10.53% NDs. Annual per-constituent alpha = 0.0009869. Individual comparison alpha = 0.00005485 (1 of 2). Comparing 9 points to limit.

Constituent: Total Dissolved Solids Analysis Run 8/2/2022 6:40 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWC-9	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-5 (bg)	GWA-16 (bg)	GWA-4A (bg)	GWA-14 (bg)
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)		0.011 (J)		0.01 (J)	0.0098 (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		<0.08
1/12/2017									
1/13/2017		<0.08							
1/16/2017					<0.08				
1/17/2017									
2/28/2017	<0.08			0.022 (J)		<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	
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	<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						<0.08	<0.08	0.052 (J)	<0.08
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08				
3/31/2020						<0.08		<0.08	
4/1/2020	<0.08	<0.08	<0.08	0.042 (J)	<0.08		<0.08		<0.08
4/2/2020									
9/15/2020	0.061 (J)		<0.08	<0.08		0.047 (J)	<0.08		<0.08
9/16/2020		0.042 (J)			0.046 (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	<0.08			0.069 (J)			0.061 (J)		0.1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWC-9	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-5 (bg)	GWA-16 (bg)	GWA-4A (bg)	GWA-14 (bg)
8/18/2021									
8/19/2021		<0.08	<0.08		<0.08	<0.08		<0.08	
2/22/2022	0.065 (J)			0.11		<0.08	<0.08		<0.08
2/23/2022		<0.08	<0.08		<0.08			0.096	

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWC-1	GWC-17 (bg)	GWC-11	GWC-12	GWC-21	GWC-10	GWA-15 (bg)	GWC-20
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	0.0086 (J)								
6/15/2016		0.017 (J)	0.0095 (J)	0.011 (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	
1/12/2017	<0.08	<0.08		<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	
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		<0.08	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	0.06		<0.08
12/12/2017							0.086		
1/10/2018	<0.08								
1/11/2018		<0.08	<0.08	<0.08	<0.08	<0.08	0.06	<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	<0.08	0.055		
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	0.061 (J)								
9/11/2019		<0.08	<0.08	<0.08	<0.08	0.055 (J)	0.067 (J)	<0.08	0.042 (J)
3/31/2020	<0.08								
4/1/2020		<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		0.045 (J)		<0.08
3/17/2021				<0.08		<0.08		<0.08	
8/17/2021									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWC-1	GWC-17 (bg)	GWC-11	GWC-12	GWC-21	GWC-10	GWA-15 (bg)	GWC-20
8/18/2021	0.044 (J)	0.046 (J)		<0.08	<0.08		0.069 (J)		
8/19/2021			<0.08			<0.08		<0.08	<0.08
2/22/2022	<0.08		<0.08					<0.08	<0.08
2/23/2022		<0.08		<0.08	<0.08	<0.08	0.069 (J)		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

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 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23
8/18/2021	
8/19/2021	<0.08
2/22/2022	
2/23/2022	<0.08

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWC-19	GWA-2 (bg)	GWC-18 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWA-4A (bg)	GWC-12
4/19/2016	1.13	10.3	0.485 (J)	26	0.431 (J)				
4/20/2016						0.389 (J)	8.94	1.12	0.69
4/21/2016									
6/14/2016	1		0.72			0.37 (J)		1.1	
6/15/2016					0.27 (J)		10.6		0.69
6/16/2016		10.4		33.2					
8/9/2016	0.71		0.24 (J)			0.14 (J)			
8/10/2016		6.7			0.13 (J)		7.6		0.45
8/11/2016				18				1.9	
9/26/2016			0.48						
9/27/2016	0.77				0.21 (J)	0.33	8.7	3.4	0.61
9/28/2016		6.9		17					
11/14/2016	0.75							3.1	
11/15/2016		7.5	0.54		0.27	0.28	8.4		0.61
11/16/2016				17					
1/10/2017	0.73		0.62					1.5	
1/11/2017				15					
1/12/2017						0.37	8.1		0.6
1/13/2017					0.41				
1/16/2017		8							
1/17/2017									
2/28/2017	0.76		0.91			0.26		1.1	
3/1/2017		8.5		16	0.25		8.9		0.61
3/2/2017									
4/19/2017	0.69		0.75						
4/20/2017						0.27		0.98	0.65
4/24/2017					0.34		8.8		
4/25/2017		8.2		17					
7/13/2017									
10/10/2017			0.54					0.8	
10/11/2017	0.73					0.3	10		
10/12/2017		9.5		14	0.21 (J)				0.76
12/12/2017		9.1							
12/13/2017				12			11		
1/10/2018	0.88		0.52			0.27		0.82	
1/11/2018							9.3		0.78
1/12/2018		9.5		15	0.4				
7/11/2018	0.81	10	0.5	12		0.32		1	
7/12/2018					0.49		13		0.67
1/29/2019	0.85	9.2	0.53			0.33		0.83	
1/30/2019				14	0.38 (J)		11		0.68 (J)
3/26/2019						0.3		0.53	
3/27/2019	0.73	9.2	0.37	11	0.28		13		0.62
9/10/2019						0.37 (J)		0.64	
9/11/2019	0.76	8.2	0.43 (J)	13	0.44 (J)		9.3		0.62
3/31/2020						0.42 (J)		0.8	
4/1/2020	0.72	8.7	0.47 (J)	11	0.2 (J)				0.7
4/2/2020							8.5		
9/15/2020	0.84		0.42 (J)	10		0.32 (J)	13		
9/16/2020		7.6			0.45 (J)			0.43 (J)	0.64
3/16/2021	0.75	7	0.4 (J)			0.4 (J)			0.62
3/17/2021				9.1	0.51		14	0.33 (J)	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWC-19	GWA-2 (bg)	GWC-18 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWA-4A (bg)	GWC-12
8/17/2021	0.81		0.4 (J)						
8/18/2021						0.51	10		0.75
8/19/2021		6.9		9.3	0.67			0.3 (J)	
2/22/2022	0.72		0.42 (J)			0.35 (J)			
2/23/2022		6.3		9.1	1		8.1	0.35 (J)	0.64

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16 (bg)	GWC-1	GWA-14 (bg)	GWA-5 (bg)	GWC-17 (bg)	GWC-20	GWC-21	GWC-10	GWA-15 (bg)
4/19/2016									
4/20/2016	0.472 (J)	3.22	0.686	4.39	2.48				
4/21/2016						2.29	2.78	13.9	0.686
6/14/2016			0.62	2.4					
6/15/2016	0.42 (J)	3			2.2				0.61
6/16/2016						2.4	2.9	18.9	
8/9/2016	0.19		0.39	2	1.8				0.21 (J)
8/10/2016		2.1				1.4	0.99	13	
8/11/2016									
9/26/2016									
9/27/2016	0.39	2.3	0.52	2.9	1.9	1.4	1.3	14	0.4
9/28/2016									
11/14/2016									
11/15/2016	0.39	2.4	0.5	2.5	2.1	1.3	1.1	13	0.35
11/16/2016									
1/10/2017									
1/11/2017	0.36		0.47	2.5	2				0.34
1/12/2017		2.5					0.93	14	
1/13/2017						1.3			
1/16/2017									
1/17/2017									
2/28/2017			0.47	2.7					0.37
3/1/2017	0.38	2.7			2.1	1.4	1	15	
3/2/2017									
4/19/2017									
4/20/2017	0.41	2.6	0.5	2.8	2				0.43
4/24/2017							1.1	14	
4/25/2017						1.4			
7/13/2017									
10/10/2017									
10/11/2017	0.4	2.4	0.49	3.3	2.1				0.41
10/12/2017						1.7	1.1	16	
12/12/2017								23	
12/13/2017									
1/10/2018				3.3					
1/11/2018	0.43	2.4	0.51		2.1		1	15	0.41
1/12/2018						1.7			
7/11/2018	0.45		0.47	3	2.1	1.7	1.1		0.53
7/12/2018		1.8						27	
1/29/2019	0.41		0.51	3.3	2.2	1.8			0.91
1/30/2019		2.5					1 (J)	26	
3/26/2019	0.37		0.42	2.8					0.58
3/27/2019		2.4			2	1.5	1.1	22	
9/10/2019	0.41 (J)		0.47 (J)	2.3					
9/11/2019		1.4			2	1.5	1	26	0.42 (J)
3/31/2020				2.9					
4/1/2020	0.43 (J)	1.9	0.49 (J)		2.1	1.8	1.1	21	2.3
4/2/2020									
9/15/2020	0.42 (J)	1.3	0.6	2.2	2	1.5	1.1	27	0.38 (J)
9/16/2020									
3/16/2021	0.48 (J)	1.6	0.51		2	1.4		18	
3/17/2021				2.4			1.1		5.5

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16 (bg)	GWC-1	GWA-14 (bg)	GWA-5 (bg)	GWC-17 (bg)	GWC-20	GWC-21	GWC-10	GWA-15 (bg)
8/17/2021	0.46 (J)		0.47 (J)						
8/18/2021		1.1						23	
8/19/2021				2.4	2.2	1.3	1.2		0.49 (J)
2/22/2022	0.43 (J)		0.52	2.3	2	1.3			0.92
2/23/2022		1.4					1.1	22	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

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 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23
8/17/2021	
8/18/2021	
8/19/2021	1.1
2/22/2022	
2/23/2022	0.92

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-2 (bg)	GWC-18 (bg)	GWC-9	GWC-19	GWA-13 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1
4/19/2016	9.4	5.01	5.03	14.4	6.1				
4/20/2016						3.49	2.93	3.69	6.68
4/21/2016									
6/14/2016	8.3	5				3.4	2.9	3.5	
6/15/2016				12					7
6/16/2016			4.7		5.7				
8/9/2016	8.6	5.1				3.7		3.7	
8/10/2016				13	6.2				7
8/11/2016			5.3				3.6		
9/26/2016		5.1							
9/27/2016	6.3			12		3.8	3.4	3.6	6.4
9/28/2016			5.1		6.9				
11/14/2016	6.1						4.2		
11/15/2016		5.2		11	7.8	3.8		3.7	6.6
11/16/2016			5.2						
1/10/2017	6.1	4.9					3.6		
1/11/2017			5					3.5	
1/12/2017						3.5			7.3
1/13/2017				11					
1/16/2017					8.6				
1/17/2017									
2/28/2017	6.2	4.7				3.6	3.3	3.3	
3/1/2017			4.6	11	8.3				7.5
3/2/2017									
4/19/2017	5	4.4							
4/20/2017						3.4	3.5	3.3	6.8
4/24/2017				9.3					
4/25/2017			4.6		8.4				
7/13/2017									
10/10/2017		4.7					3.9		
10/11/2017	4.1					3.4		3.2	7
10/12/2017			4.6	9.8	8.7				
12/12/2017				10					
1/10/2018	4.2	4.6				3.4	3.3	3.2	
1/11/2018									7.5
1/12/2018			4.5	9	9				
7/11/2018	4.3	5	4.9		9.1	3.4	3.2	3.5	
7/12/2018				9.4					7
9/13/2018				9.1					
1/29/2019	4	5			8.2	3.6	3.4	3.6	
1/30/2019			4.8	9.1					6.8
3/26/2019						3.5	3.7	3.6	
3/27/2019	3.5	4.5	4.3	10	7.5				6.8
6/17/2019				9.4					
9/10/2019						3.3	3.6	3.5	
9/11/2019	3.5	4.8	4.5	9.3	7.7				6
3/31/2020						3.7	4.9	4.1	
4/1/2020	3.7	4.9	4.7	9.7	7.3				5.9
4/2/2020									
9/15/2020	3.4	4.9	4.4			3.5		18 (o)	6.1
9/16/2020				8.6	6.5		3.5		
3/16/2021	3.6	4.9			6.5	4			5.8

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-2 (bg)	GWC-18 (bg)	GWC-9	GWC-19	GWA-13 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1
3/17/2021			4.7	9.5			4.5	4.2	
8/17/2021	3.5	5.4							
8/18/2021						4.1			5.3
8/19/2021			5.1	7.9	6.7		3.5	4.3	
2/22/2022	3.4	4.6				3.8		3.8	
2/23/2022			5	9.9	5.8		3.7		5.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16 (bg)	GWC-12	GWA-14 (bg)	GWC-11	GWC-17 (bg)	GWA-15 (bg)	GWC-21	GWC-10	GWC-20
4/19/2016									
4/20/2016	3.92	3.61	4.55	4.9	4.25				
4/21/2016						3.99	6.08	6.41	11.6
6/14/2016			4.3						
6/15/2016	3.8	3.3		4.6	4.1	3.5			
6/16/2016							5.8	6	10
8/9/2016	4		4.5		4.5	4			
8/10/2016		3.8		5.1			6.5	6.8	10
8/11/2016									
9/26/2016									
9/27/2016	3.9	3.7	4.4	4.9	4.4	3.9	6.4	6.1	8.9
9/28/2016									
11/14/2016									
11/15/2016	4	3.9	4.5	5	4.5	4	6.4	6.7	8.5
11/16/2016									
1/10/2017									
1/11/2017	3.7		4.3		4.2	3.8			
1/12/2017		3.6		4.7			6.3	6.5	
1/13/2017									8.3
1/16/2017									
1/17/2017									
2/28/2017			4			3.5			
3/1/2017	3.5	3.4		4.4	3.9		5.9	6.3	7.9
3/2/2017									
4/19/2017									
4/20/2017	3.6	3.5	4		4	3.3			
4/24/2017				4.4			5.9	6.1	
4/25/2017									8.2
7/13/2017									
10/10/2017									
10/11/2017	3.5		4	4.5	4.1	3.5			
10/12/2017		3.5					6.1	6	9.1
12/12/2017									
1/10/2018									
1/11/2018	3.4	3.4	3.9	4.3	4.1	3.4	5.8	5.9	
1/12/2018									9
7/11/2018	3.7		4.2		4.4	3.8	6.4		9.9
7/12/2018		3.7		4.3				5.1	
9/13/2018									8.9
1/29/2019	3.8		4		4.5	3.7			8.8
1/30/2019		3.7		4.6			6.7	5.6	
3/26/2019	3.6		4.1			3.8			
3/27/2019		3.3		4	4.1		6.3	5.3	8.9
6/17/2019									
9/10/2019	3.7		4						
9/11/2019		3.5		4.4	4.3	3.7	6.7	5.4	8.7
3/31/2020									
4/1/2020	3.8	3.7	4.2		4.6	3.8	6.5	6.9	8.6
4/2/2020				4.6					
9/15/2020	3.7		4.3	4.1	4.3	3.6	6.5	6.2	8.7
9/16/2020		3.5							
3/16/2021	4.1	3.8	4.1		4.9			7.2	8

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16 (bg)	GWC-12	GWA-14 (bg)	GWC-11	GWC-17 (bg)	GWA-15 (bg)	GWC-21	GWC-10	GWC-20
3/17/2021				4.6		4	6.7		
8/17/2021	4		4.3						
8/18/2021		3.9		5.2				6.8	
8/19/2021					4.8	4.3	6.7		8.8
2/22/2022	3.7		4		4.5	3.7			7.7
2/23/2022		4.1		4.8			7.3	6.8	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

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 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23
3/17/2021	5.5
8/17/2021	
8/18/2021	
8/19/2021	6
2/22/2022	
2/23/2022	5.2

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2 (bg)	GWC-19	GWC-18 (bg)	GWC-9	GWA-3 (bg)	GWA-13 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-5 (bg)
4/19/2016	0.03 (J)	0.122 (J)	0.706	0.02 (J)	0.022 (J)				
4/20/2016						0.018 (J)	0.028 (J)	0.022 (J)	0.032 (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		0.08 (J)	0.56						
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		0.11 (J)	0.7						
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		<0.1	0.61	<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		0.087 (J)	0.65						
7/13/2017									
10/10/2017	<0.1						<0.1		
10/11/2017					<0.1	<0.1		<0.1	<0.1
10/12/2017		0.087 (J)	0.6	<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		0.083 (J)	0.55	<0.1					
7/11/2018	<0.1	0.091 (J)	0.59		<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	<0.1	<0.1	0.028
3/27/2019	<0.1	0.072	0.49	<0.1	<0.1				
9/10/2019						0.034 (J)	0.044 (J)	0.035 (J)	0.037 (J)
9/11/2019	0.037 (J)	0.08 (J)	0.47	0.034 (J)	0.033 (J)				
3/31/2020						0.046 (J)	0.043 (J)		0.061 (J)
4/1/2020	<0.1	0.11	0.59	0.051 (J)	<0.1			<0.1	
4/2/2020									
9/15/2020	0.029 (J)		0.49		<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)			<0.1		0.026 (J)
8/17/2021	0.073 (J)				0.043 (J)			0.072 (J)	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-2 (bg)	GWC-19	GWC-18 (bg)	GWC-9	GWA-3 (bg)	GWA-13 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-5 (bg)
8/18/2021						<0.1			
8/19/2021		0.11	0.62	0.064 (J)			<0.1		0.035 (J)
2/22/2022	<0.1				<0.1	<0.1		<0.1	<0.1
2/23/2022		0.11	0.66	0.049 (J)			<0.1		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-17 (bg)	GWA-14 (bg)	GWC-12	GWC-1	GWC-21	GWC-20	GWC-10	GWA-15 (bg)
4/19/2016									
4/20/2016	0.383	0.147 (J)	0.021 (J)	0.026 (J)	0.04 (J)				
4/21/2016						0.022 (J)	0.06 (J)	0.217 (J)	0.019 (J)
6/14/2016			<0.1						
6/15/2016	0.28 (J)	0.1 (J)		<0.1	<0.1				<0.1
6/16/2016						<0.1	<0.1	0.13 (J)	
8/9/2016		0.16 (J)	<0.1						<0.1
8/10/2016	0.42			<0.1	<0.1	<0.1	<0.1	0.21	
8/11/2016									
9/26/2016									
9/27/2016	0.39	0.14 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	0.17 (J)	<0.1
9/28/2016									
11/14/2016									
11/15/2016	0.43	0.16 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	0.22	<0.1
11/16/2016									
1/10/2017									
1/11/2017		0.16 (J)	<0.1						<0.1
1/12/2017	0.41			<0.1	<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
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		0.12 (J)	<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	0.11 (J)	<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									
1/11/2018	0.31	0.12 (J)	<0.1	<0.1	<0.1	<0.1		0.15 (J)	<0.1
1/12/2018							<0.1		
7/11/2018		0.13 (J)	<0.1			<0.1	<0.1		<0.1
7/12/2018	0.25			<0.1	<0.1			0.13 (J)	
1/29/2019		0.13 (J)	<0.1				0.031 (J)		<0.1
1/30/2019	0.35			<0.1	<0.1	<0.1		0.23 (J)	
3/26/2019			<0.1						<0.1
3/27/2019	0.24	0.1		<0.1	0.029	<0.1	0.034	0.12	
9/10/2019			0.032 (J)						
9/11/2019	0.26	0.099 (J)		0.036 (J)	0.036 (J)	0.032 (J)	0.045 (J)	0.1	0.032 (J)
3/31/2020									
4/1/2020		0.15	0.048 (J)	<0.1	<0.1	0.04 (J)	0.082 (J)	0.26	0.05 (J)
4/2/2020	0.26								
9/15/2020	0.21	0.099 (J)	<0.1		<0.1	<0.1	0.032 (J)	0.11	<0.1
9/16/2020				<0.1					
3/16/2021		0.13	<0.1	<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 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-17 (bg)	GWA-14 (bg)	GWC-12	GWC-1	GWC-21	GWC-20	GWC-10	GWA-15 (bg)
8/18/2021	0.35			<0.1	<0.1			0.081 (J)	
8/19/2021		0.15				<0.1	0.044 (J)		0.035 (J)
2/22/2022		0.062 (J)	<0.1				0.033 (J)		<0.1
2/23/2022	0.36			0.043 (J)	<0.1	0.037 (J)		0.13	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

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 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23
8/18/2021	
8/19/2021	<0.1
2/22/2022	
2/23/2022	0.03 (J)

Prediction Limit

Constituent: pH (S.U.) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWA-3 (bg)	GWA-5 (bg)	GWC-1	GWA-2 (bg)	GWC-11	GWA-4A (bg)	GWC-10	GWC-9
6/19/2015	5.05	5.23	5.95						
6/20/2015				4.87	4.69	6.13	4.92	6.28	4.7
12/14/2015									
12/15/2015									
4/19/2016		4.92			4.99				4.98
4/20/2016	5.17		5.85	5.43		6.28	4.9		
4/21/2016								6.21	
6/14/2016		4.89	5.53		4.98		4.9		
6/15/2016	5.12			5.28		6.55			5.2
6/16/2016								6.27	
8/9/2016		4.92	5.44		4.72				
8/10/2016	5.12			5.15		6.22		6.12	4.78
8/11/2016							5.37		
9/26/2016					4.74				
9/27/2016	5.19	5.25	5.59	5.19		6.33	5.89	6.29	4.91
9/28/2016									
11/14/2016		4.96					5.94		
11/15/2016	5.14		5.58	5.2	4.8	6.28		6.12	4.81
11/16/2016									
1/10/2017		4.21			4.59		5.44		
1/11/2017			5.56						
1/12/2017	5.13			5.27		6.26		6.23	
1/13/2017									5.28
1/16/2017									
1/17/2017									
2/28/2017		4.95	5.53		4.91		5.49		
3/1/2017	5.05			5.31		6.41		6.15	4.81
3/2/2017									
4/19/2017		5.12			4.98				
4/20/2017	5.15		5.63	5.29			5.51		
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	5.25	4.93	6.35	5.28	6.11	4.85
1/10/2018		4.93	5.59		4.78		5.05		
1/11/2018	5.13			5.02		6.15		6.32	
1/12/2018									4.83
7/11/2018		4.87 (D)	5.49		4.75 (D)		4.53		
7/12/2018	5.09 (D)			5.04 (D)		6.63 (D)		6.7 (D)	4.8 (D)
1/29/2019		4.98	5.39		4.91		4.66		
1/30/2019	5.01			5.21		6.09		6.2	4.88
3/26/2019			5.45				4.72		
3/27/2019	4.93	4.8		5.15	4.69	6.32		6.54	4.75
9/10/2019			5.71				4.72		
9/11/2019	5.04	5.03		4.8	4.77	6.37		6.63	4.8
3/31/2020			5.45				5.06		

Prediction Limit

Constituent: pH (S.U.) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-12	GWA-3 (bg)	GWA-5 (bg)	GWC-1	GWA-2 (bg)	GWC-11	GWA-4A (bg)	GWC-10	GWC-9
4/1/2020	5.05	4.92		5	4.77			6.52	4.93
4/2/2020						6.38			
9/15/2020		4.72	5.27	4.76	4.52	6.62		6.66	
9/16/2020	4.91						4.87		4.74
3/16/2021	4.97	4.91		4.89	4.76			6.48	
3/17/2021			4.8			6.58	4.9		4.69
8/17/2021		4.82			4.62				
8/18/2021	5.01			4.89		6.54		6.32	
8/19/2021			5.23				4.86		4.89
2/22/2022		4.9	5.34		4.69				
2/23/2022	5.1			4.92		6.28	4.8	6.46	5.07

Prediction Limit

Constituent: pH (S.U.) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-21	GWC-20	GWA-16 (bg)	GWC-18 (bg)	GWC-17 (bg)	GWC-19	GWA-14 (bg)	GWA-13 (bg)	GWA-15 (bg)
6/19/2015									
6/20/2015									
12/14/2015	5.84	5.24	5.26	7.1	5.19				
12/15/2015						5.98	5.24	5.13	5.2
4/19/2016				6.87		5.98			
4/20/2016			5.16		5.26		5.41	5.16	
4/21/2016	5.43	4.88							5.18
6/14/2016									
6/15/2016			5.04		5.12		5.74	5.35	5.47
6/16/2016	5.23	4.85		6.84		5.85			
8/9/2016			5.07		5.09		5.41	4.89	5.01
8/10/2016	5.11	4.84				5.79			
8/11/2016				6.42					
9/26/2016									
9/27/2016	5.06	5.32	5.11		5.32		5.42	5.02	5.22
9/28/2016				6.57		5.9			
11/14/2016									
11/15/2016	5.01	4.97	5.11		5.25	5.66	5.33	5.04	5.07
11/16/2016				6.51					
1/10/2017									
1/11/2017			5.07	6.43	5.23		5.32		5
1/12/2017	4.99							5.19	
1/13/2017		4.97							
1/16/2017						5.65			
1/17/2017									
2/28/2017							5.32	4.86	5.1
3/1/2017	5		5.14	6.48	5.25	5.62			
3/2/2017									
4/19/2017									
4/20/2017			5.05		5.36		5.31	5.01	5.12
4/24/2017	5.8								
4/25/2017		4.91		6.58		5.59			
7/13/2017									
7/17/2017									
7/18/2017								4.88	
7/19/2017			4.95		5.12		5.19		4.84
7/20/2017									
7/24/2017									
7/25/2017	4.92	4.89		6.37		5.55			
10/17/2017	4.89	4.97	5.17	6.53	5.23	5.68	5.27	4.93	4.95
1/10/2018								4.9	
1/11/2018	4.98		4.97		5.28		5.19		5.01
1/12/2018		4.97		6.47					
7/11/2018	4.96 (D)	4.89 (D)	5.07	6.18 (D)	5.23 (D)	5.6 (D)	5.25 (D)	4.99 (D)	5.01
7/12/2018									
1/29/2019		4.94	4.83		5.35	5.58	5.25	4.82	5.18
1/30/2019	4.65			5.93					
3/26/2019			4.95				5.29	5.07	5.04
3/27/2019	4.96	4.94		6.11	5.25	5.59			
9/10/2019			5.12				5.18	5	
9/11/2019	4.99	4.96		6.3	5.16	5.58			5.28
3/31/2020								5.1	

Prediction Limit

Constituent: pH (S.U.) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-21	GWC-20	GWA-16 (bg)	GWC-18 (bg)	GWC-17 (bg)	GWC-19	GWA-14 (bg)	GWA-13 (bg)	GWA-15 (bg)
4/1/2020	5.04	5.03	4.95	6.15	5.3	5.67	5.26		5.35
4/2/2020									
9/15/2020	4.86	4.96	5.02	6.13	5.29		5.83	5.07	4.92
9/16/2020						5.43			
3/16/2021		4.78	4.68		4.83	5.45	4.76	4.47	
3/17/2021	4.8			5.99					5.41
8/17/2021			4.95				5.12		
8/18/2021								4.93	
8/19/2021	4.81	4.91		6.17	5.29	5.69			4.92
2/22/2022		5.02	4.98		5.29		5.2	4.91	5.15
2/23/2022	4.87			6.2		5.63			

Prediction Limit

Constituent: pH (S.U.) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

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 8/2/2022 6:42 PM View: Appendix III - Interwell

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
8/17/2021	
8/18/2021	
8/19/2021	5.16
2/22/2022	
2/23/2022	5.11

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWC-9	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWA-5 (bg)	GWA-16 (bg)	GWA-4A (bg)	GWA-14 (bg)
4/19/2016	<10	49	106	34	<10				
4/20/2016						<10	<10	<10	<10
4/21/2016									
6/14/2016	46				55	62		67	65
6/15/2016		84					67		
6/16/2016			150	34					
8/9/2016	18				6	6	4 (J)		24
8/10/2016		44		32					
8/11/2016			78					<10	
9/26/2016					24				
9/27/2016	30	30				10	18	28	14
9/28/2016			43	13					
11/14/2016	26							48	
11/15/2016		32		64	38	32	26		18
11/16/2016			140						
1/10/2017	18				18			22	
1/11/2017			64			12	<10		6
1/12/2017									
1/13/2017		54							
1/16/2017				12					
1/17/2017									
2/28/2017	22				12	<10		32	14
3/1/2017		34	88	72			6		
3/2/2017									
4/19/2017	14				14				
4/20/2017						34	<10	20	<10
4/24/2017		<10							
4/25/2017			92	62					
7/13/2017									
10/10/2017					10			24	
10/11/2017	30					40	24		22
10/12/2017		20	54	38					
12/12/2017									
12/13/2017									
1/10/2018	28				6	48		42	
1/11/2018							6		36
1/12/2018		48	110	81					
7/11/2018	12 (J)		16 (J)	38 (J)	16 (J)	22 (J)	24 (J)	<5 (J)	20 (J)
7/12/2018		42 (J)							
1/29/2019	27			62	36	34	26	26	22
1/30/2019		42 (J)	100 (J)						
3/26/2019						21	27	39	17
3/27/2019	35	34	79	61	36				
9/10/2019						13	13	36	16
9/11/2019	15	43	45	49	28				
3/31/2020						28		27	
4/1/2020	20	36	73	52	32		15		<10
4/2/2020									
9/15/2020	<10		64		22	23	14		17
9/16/2020		<10		60				21	
3/16/2021	25			65	24		20		17
3/17/2021		40	59			31		36	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWC-9	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWA-5 (bg)	GWA-16 (bg)	GWA-4A (bg)	GWA-14 (bg)
8/17/2021	21				48		19		19
8/18/2021									
8/19/2021		37	71	57		20		26	
2/22/2022	16				27	21	17		16
2/23/2022		30	54	41				21	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWC-1	GWC-17 (bg)	GWC-11	GWC-12	GWC-20	GWC-21	GWC-10	GWA-15 (bg)
4/19/2016									
4/20/2016	<10	<10	29	32	41				
4/21/2016						28	<10	49	<10
6/14/2016	47								
6/15/2016		52	85	81	27				58
6/16/2016						42	30	109	
8/9/2016	10		<10						6
8/10/2016		10		64	6	6	<10	58	
8/11/2016									
9/26/2016									
9/27/2016	16	30	6	60	16	20	14	100	16
9/28/2016									
11/14/2016									
11/15/2016	4 (J)	32	24	72	22	82	58	94	18
11/16/2016									
1/10/2017									
1/11/2017			20						8
1/12/2017	26	52		84	44		38	110	
1/13/2017						36			
1/16/2017									
1/17/2017									
2/28/2017	6								4 (J)
3/1/2017		44	38	64	8	40	32	110	
3/2/2017									
4/19/2017									
4/20/2017	<10	20	6		<10				10
4/24/2017				46			16	32	
4/25/2017						14			
7/13/2017									
10/10/2017									
10/11/2017	32	54	48	88					26
10/12/2017					12	22	12	74	
12/12/2017								150	
12/13/2017				68					
1/10/2018	10								
1/11/2018		100	18	10	34		20	150	56
1/12/2018						56			
7/11/2018	28 (J)		22 (J)			32 (J)	52 (J)		<5 (J)
7/12/2018		24 (J)		94 (J)	26 (J)			140 (J)	
1/29/2019	24		37			27			23
1/30/2019		55 (J)		89 (J)	22 (J)		43 (J)	160 (J)	
3/26/2019	<10								17
3/27/2019		26	38	79	24	57	33	130	
9/10/2019	21								
9/11/2019		49	31	39	28	45	23	130	15
3/31/2020	17								
4/1/2020		39	27		20	26	21	130	21
4/2/2020				63					
9/15/2020	17	25	26	82		34	24	140	13
9/16/2020					17				
3/16/2021	23	29	25		19	37		130	
3/17/2021				81			24		29

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWC-1	GWC-17 (bg)	GWC-11	GWC-12	GWC-20	GWC-21	GWC-10	GWA-15 (bg)
8/17/2021									
8/18/2021	21	33		97	20			140	
8/19/2021			32			40	32		21
2/22/2022	17		27			33			22
2/23/2022		31		70	16		26	130	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/2/2022 6:42 PM View: Appendix III - Interwell

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 8/2/2022 6:42 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-23
8/17/2021	
8/18/2021	
8/19/2021	32
2/22/2022	
2/23/2022	23

FIGURE M.

Appendix III Trend Tests - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	**GWA-3 (bg)**	**-0.7892**	**-142**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**GWC-9**	**-0.6528**	**-127**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-14 (bg)**	**-0.2267**	**-93**	**-74**	**Yes**	**19**	**31.58**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-17 (bg)**	**-0.1**	**-91**	**-74**	**Yes**	**19**	**52.63**	**n/a**	**n/a**	**0.01**	**NP**

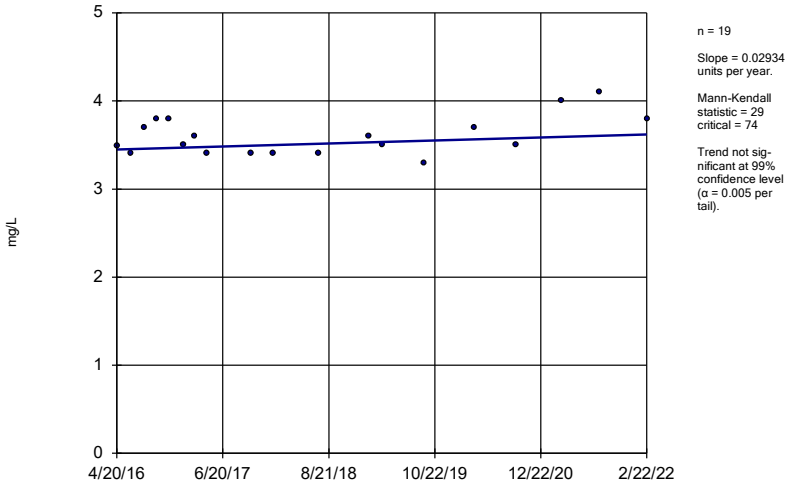
Appendix III Trend Tests - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 8/2/2022, 6:48 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-13 (bg)	0.02934	29	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-14 (bg)	-0.05214	-51	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-16 (bg)	0	-7	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.03728	-33	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWA-3 (bg)**	**-0.7892**	**-142**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWA-15 (bg)	0	2	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-17 (bg)	0.07026	53	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-18 (bg)	-0.06718	-44	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4A (bg)	0.09648	52	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-5 (bg)	0.05267	33	68	No	18	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWC-9**	**-0.6528**	**-127**	**-92**	**Yes**	**22**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWA-13 (bg)	0	23	74	No	19	63.16	n/a	n/a	0.01	NP
Sulfate (mg/L)	**GWA-14 (bg)**	**-0.2267**	**-93**	**-74**	**Yes**	**19**	**31.58**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWA-16 (bg)	0	-3	-74	No	19	68.42	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	0	-28	-74	No	19	57.89	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	0	-13	-74	No	19	47.37	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-12	0	15	74	No	19	57.89	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-15 (bg)	0	-4	-74	No	19	57.89	n/a	n/a	0.01	NP
Sulfate (mg/L)	**GWC-17 (bg)**	**-0.1**	**-91**	**-74**	**Yes**	**19**	**52.63**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWC-18 (bg)	-0.2361	-74	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-19	-0.09555	-32	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4A (bg)	-0.1482	-12	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-5 (bg)	0	18	74	No	19	73.68	n/a	n/a	0.01	NP

Sen's Slope Estimator

GWA-13 (bg)



n = 19

Slope = 0.02934 units per year.

Mann-Kendall statistic = 29 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

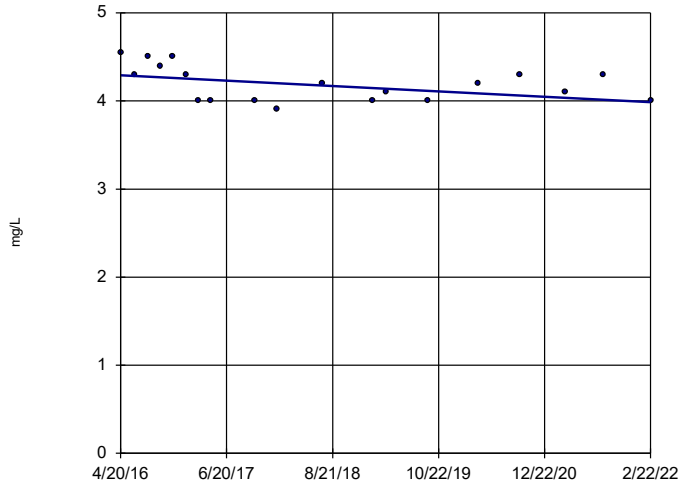
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-14 (bg)



n = 19

Slope = -0.05214 units per year.

Mann-Kendall statistic = -51 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

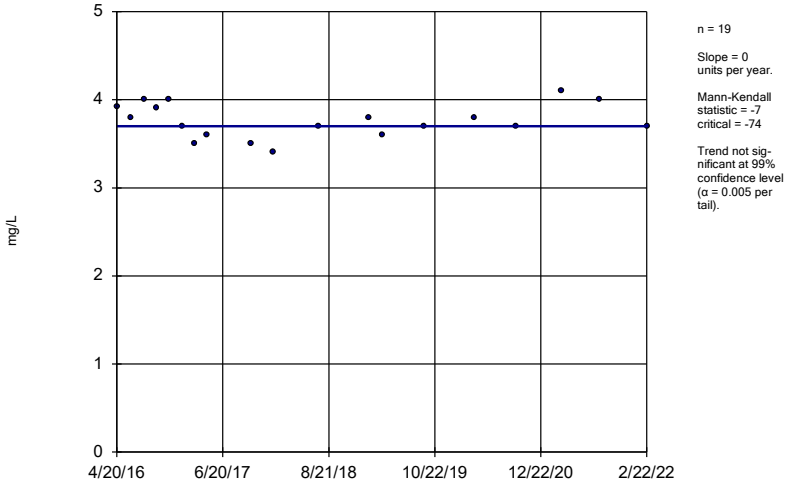
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-16 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -7 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

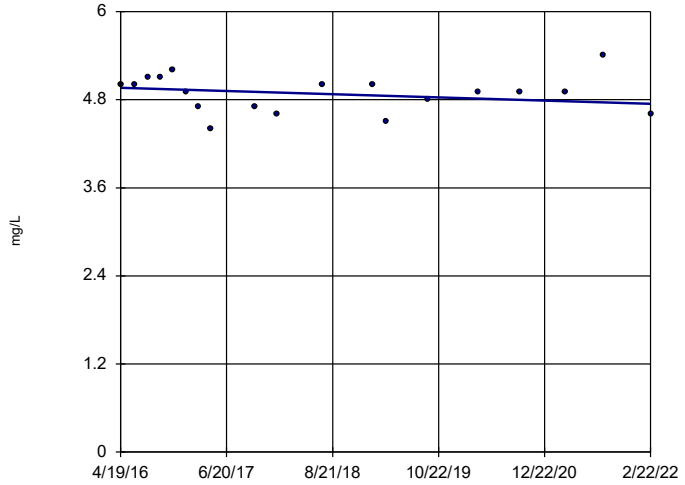
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 19

Slope = -0.03728 units per year.

Mann-Kendall statistic = -33 critical = -74

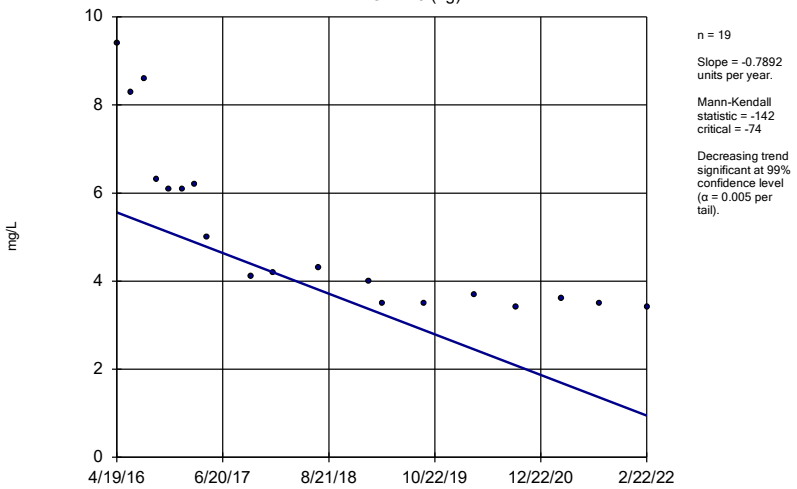
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWA-3 (bg)



n = 19

Slope = -0.7892 units per year.

Mann-Kendall statistic = -142 critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

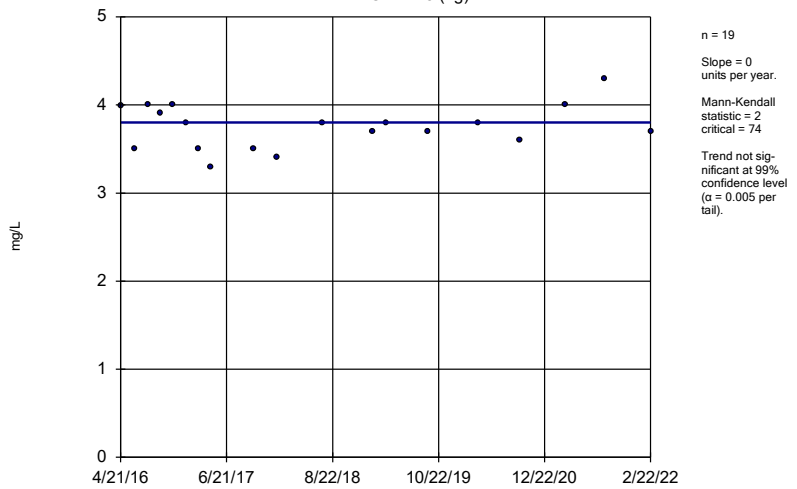
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-15 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

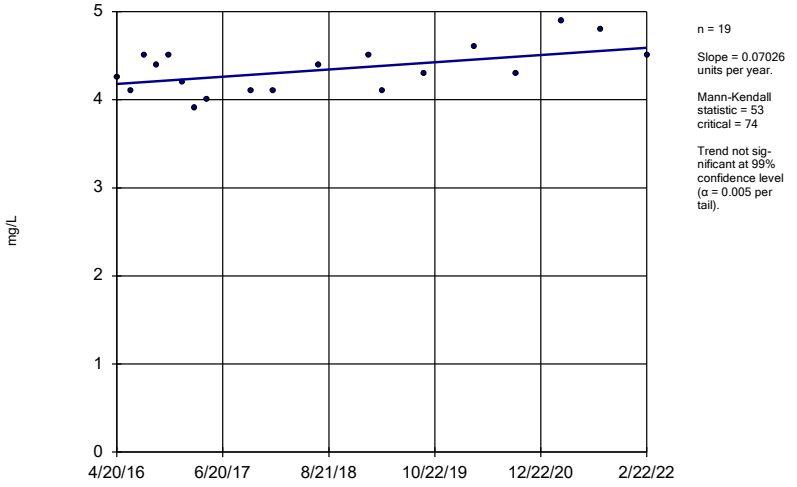
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-17 (bg)



n = 19

Slope = 0.07026 units per year.

Mann-Kendall statistic = 53 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

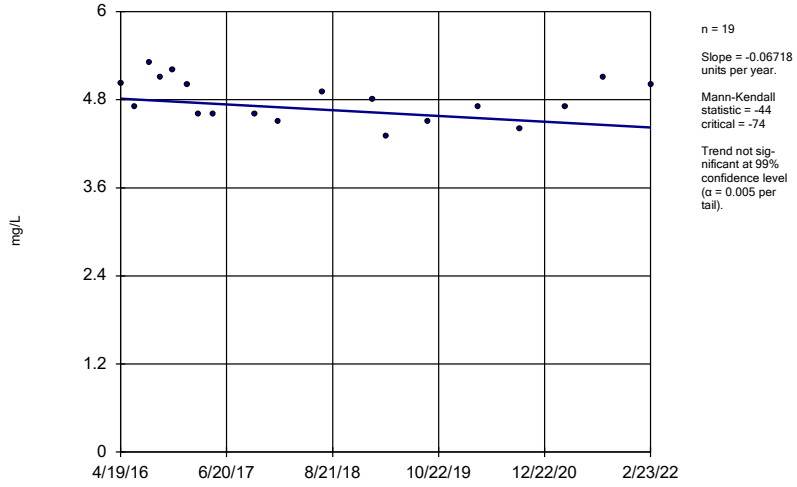
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-18 (bg)



n = 19

Slope = -0.06718 units per year.

Mann-Kendall statistic = -44 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

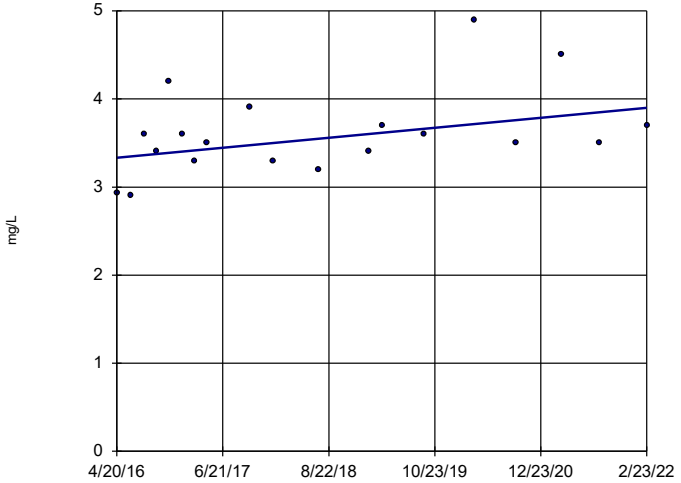
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-4A (bg)



n = 19

Slope = 0.09648 units per year.

Mann-Kendall statistic = 52 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

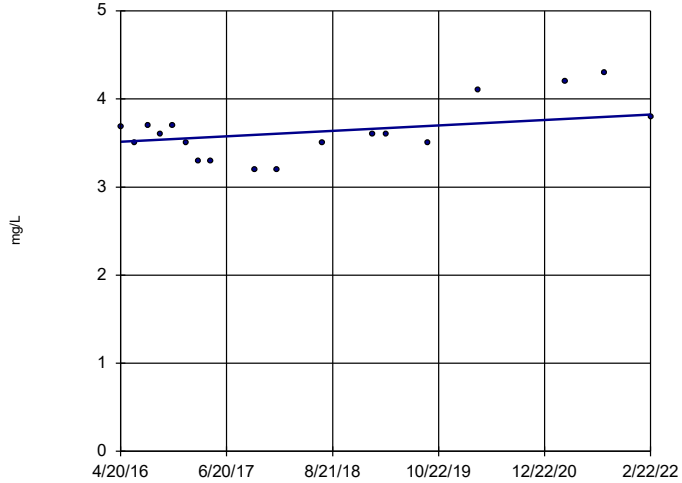
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-5 (bg)



n = 18

Slope = 0.05267 units per year.

Mann-Kendall statistic = 33 critical = 68

Trend not significant at 99% confidence level (α = 0.005 per tail).

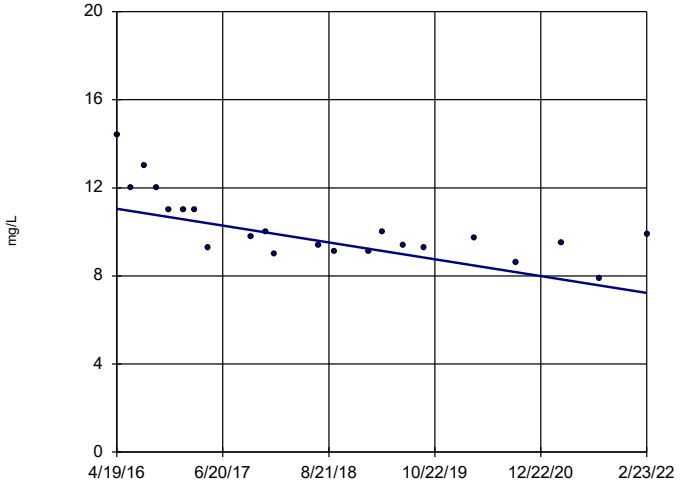
Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-9



n = 22

Slope = -0.6528 units per year.

Mann-Kendall statistic = -127 critical = -92

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

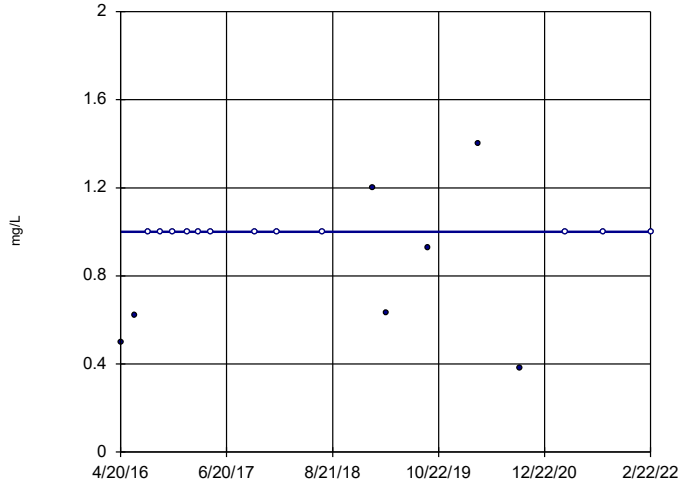
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-13 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 23 critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

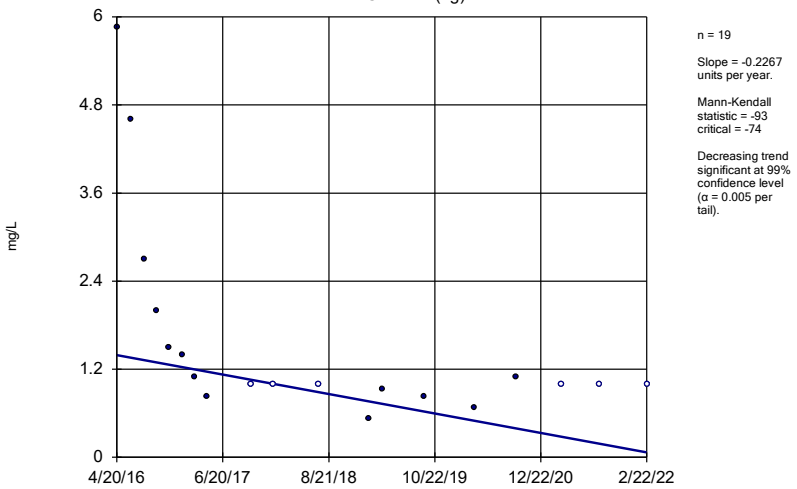
Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-14 (bg)



n = 19

Slope = -0.2267 units per year.

Mann-Kendall statistic = -93
critical = -74

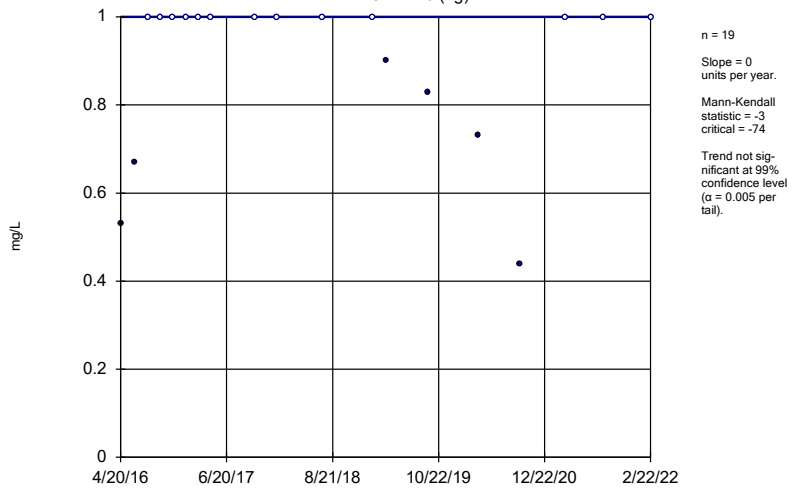
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-16 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -74

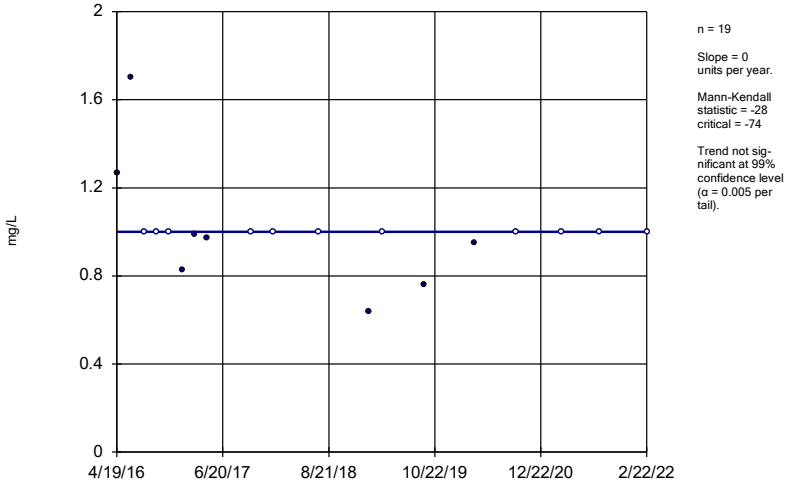
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -28
critical = -74

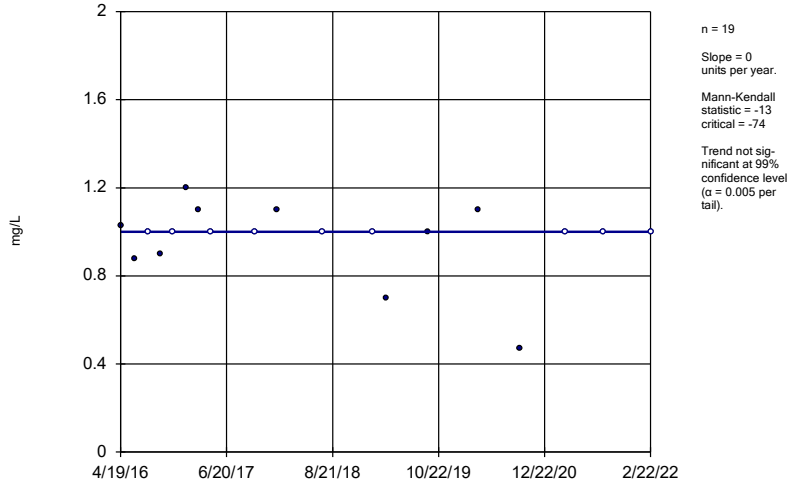
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = -13
critical = -74

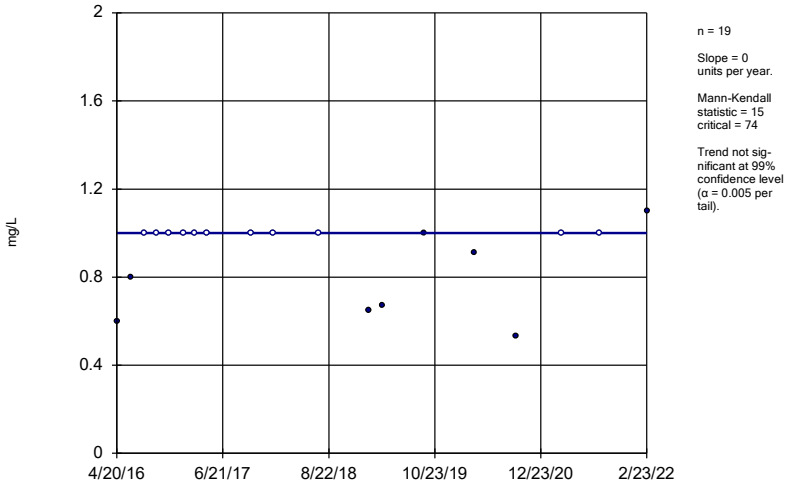
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-12



n = 19

Slope = 0
units per year.

Mann-Kendall
statistic = 15
critical = 74

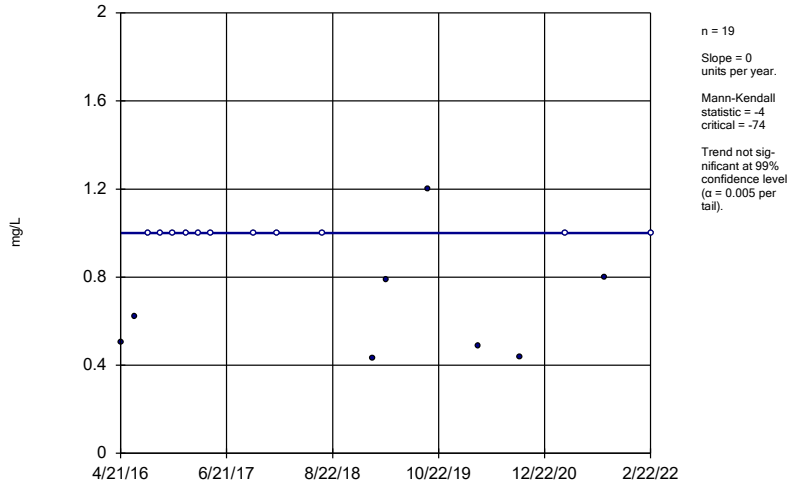
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-15 (bg)



n = 19

Slope = 0
units per year.

Mann-Kendall
statistic = -4
critical = -74

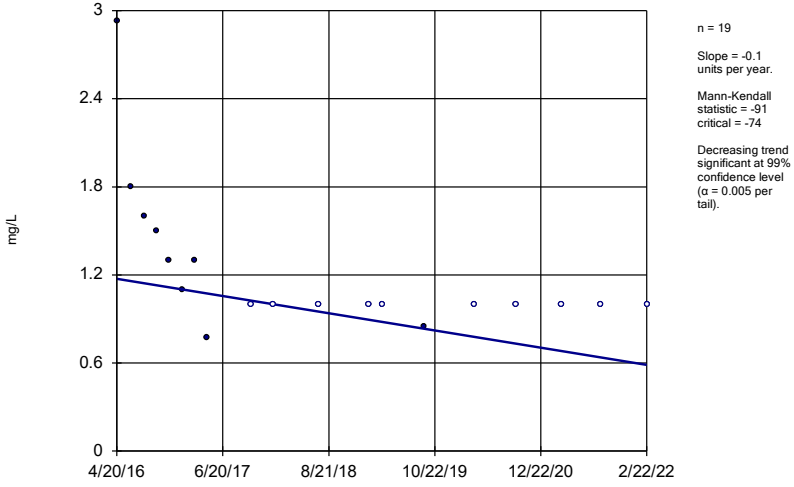
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-17 (bg)



n = 19

Slope = -0.1
units per year.

Mann-Kendall
statistic = -91
critical = -74

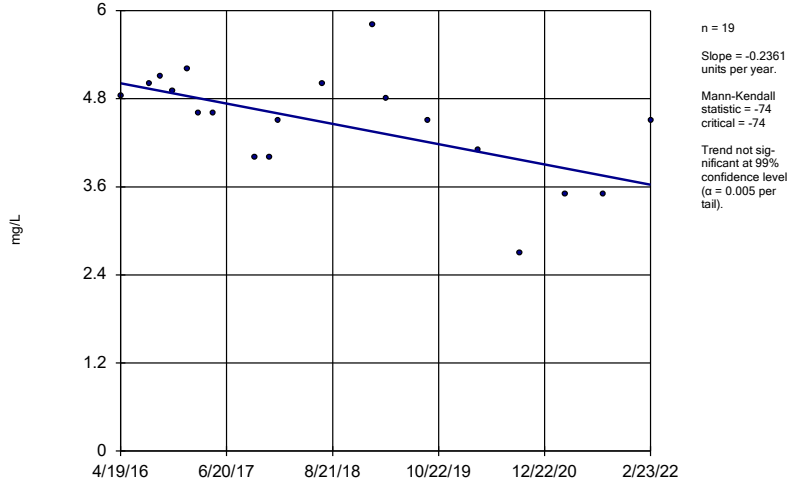
Decreasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-18 (bg)



n = 19

Slope = -0.2361
units per year.

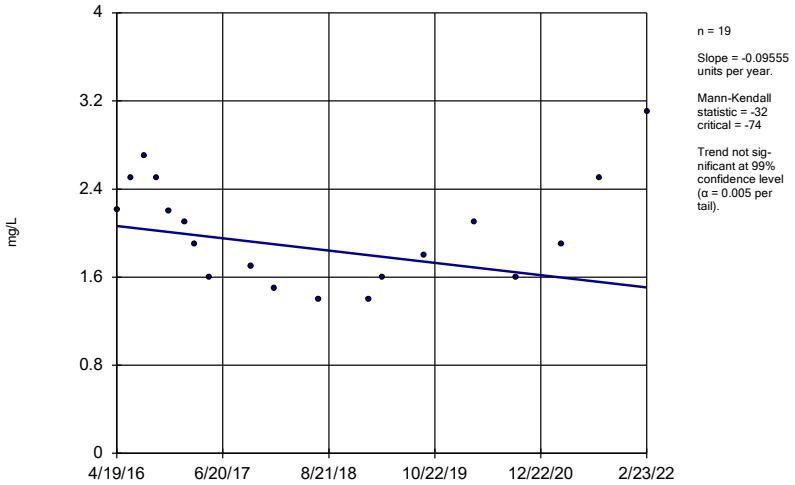
Mann-Kendall
statistic = -74
critical = -74

Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWC-19



n = 19

Slope = -0.09555 units per year.

Mann-Kendall statistic = -32
critical = -74

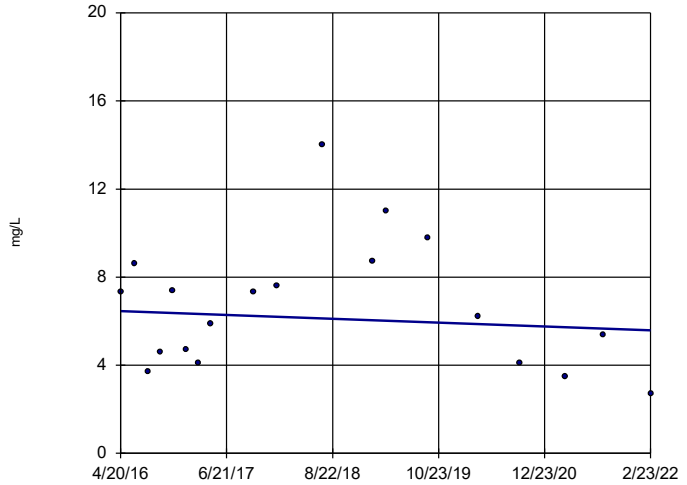
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-4A (bg)



n = 19

Slope = -0.1482 units per year.

Mann-Kendall statistic = -12
critical = -74

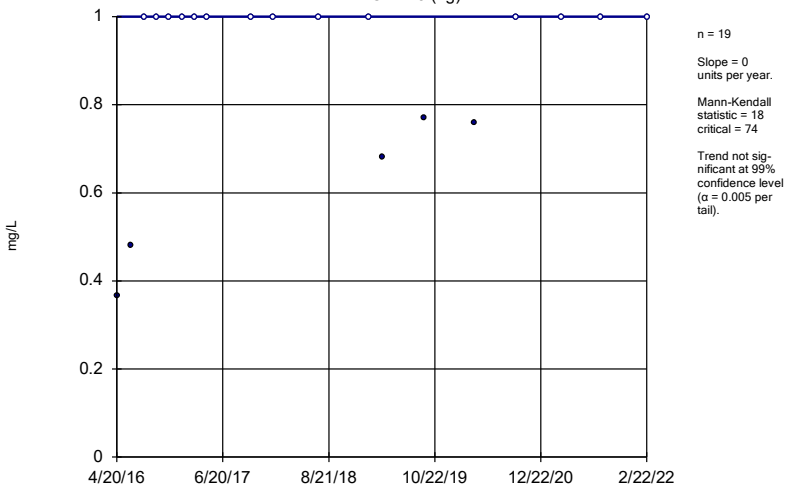
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.35 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-5 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 8/2/2022 6:46 PM View: Appendix III - Trend Tests
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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