Georgia Power

Georgia Power Company
Plant McIntosh Landfill No. 4

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

2023 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Atlantic Coast Consulting, Inc.

PROFESSIONAL CERTIFICATION

This *2023 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], specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 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 391-3-4-.01.

ATLANTIC COAST CONSULTING, INC.

Charles B. Adams, P.G.
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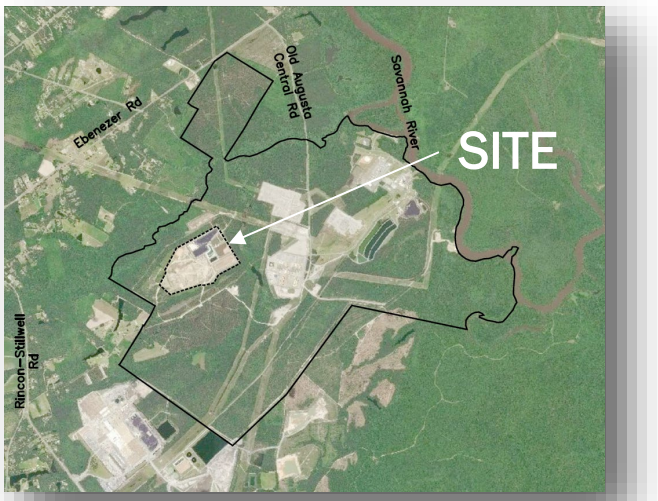
SUMMARY

This summary of the *2023 Semiannual Groundwater Monitoring and Corrective Action Report* provides the January through June 2023 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(CCR). Routine sampling and reporting began after background groundwater conditions were established between August 2004 and November 2006 in accordance with the Handling Permit for CCR 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 annual reporting period, the Site remained in detection monitoring.

During the 2023 semiannual reporting period, ACC conducted a semiannual groundwater sampling event in February 2023. Groundwater samples were submitted to Eurofins Environment Testing America (Eurofins) for analysis. Per the CCR Rule, groundwater results

[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

for 2023 data were evaluated in accordance with the certified statistical methods. That evaluation did not indicate statistically significant values of required parameters in any well.

Based on review of the Appendix III statistical results completed for the groundwater monitoring and corrective action program from January through June 2023, 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 *2023 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 performed in accordance with Handling Permit for CCR, Permit No. 051-010D(CCR) issued by Georgia EPD April 19, 2023. The previous requirements of Solid Waste Permit No. 051-010D(LI) are incorporated into Permit No. 051-010D(CCR).

This report provides the results of the sampling event conducted in February 2023 and includes: (1) results for the list of constituents from Appendix I of 40 CFR § 258 included in the Groundwater Monitoring Plan in the permit; and (2) CCR detection monitoring sampling events for 40 CFR § 257 Appendix III constituents.

This document serves as the *2023 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. Cell 2A was covered with interim cover in May 2022. 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.

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. Table 1, Monitoring Network Well Summary, provides well construction details and 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 (Figure 3, Potentiometric Contour Map – February 2023). The well nomenclature used during the February 2023 event is consistent with the nomenclature submitted in the 2022 CCR permit submittal.

2.0 GROUNDWATER MONITORING ACTIVITIES

Pursuant to 40 CFR § 257.90(e), the following describes monitoring-related activities performed during the annual monitoring period 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 2023. Pursuant to 40 CFR § 257.90(e)(3), a summary and description of groundwater sampling events completed at the Site during the semiannual 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 the reporting 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 CCR Permit and the Site's Groundwater Monitoring Plan. The semiannual sampling event was conducted in February 2023.

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 Groundwater Monitoring 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 laboratory analytical data packages for the semiannual detection monitoring event and selected ions are included in Appendix A.

2.3 Additional Sampling

Additional geochemical anion and cation data was collected for evaluation purposes.

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 2023. 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 2A/B. Groundwater flow patterns observed during the February 2023 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 2023. The calculated flow velocity was approximately 0.049 feet per day during the February 2023 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 Savannah, Georgia laboratory following chain-of-custody protocol. Stabilization logs and field calibration logs for each well during the 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 2023. Analytical data collected in the monitoring event are summarized in Table 5A, Summary of Groundwater Analytical Data – February 2023. Additional geochemical analytical data collected during the February 2023 monitoring event are summarized in Table 5B, Summary of Groundwater Anion and Cation Data – February 2023.

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

3.4 Quality Assurance and Quality Control

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

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

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

Values followed by a "J" flag in Tables 5A and 5B indicate that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit. 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 Reports. A summary of methods and results is 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 2023 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

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. Where an intrawell statistical exceedance for sulfate 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

No exceedances of Appendix I parameters were identified from downgradient samples during the February 2023 semiannual event.

4.3 Summary of Statistical Analyses Results for Appendix III Parameters

No exceedances of Appendix III parameters were identified during the February 2023 semiannual event.

5.0 ALTERNATE SOURCE DEMONSTRATIONS

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. There were no statistical exceedances identified during this reporting period. Therefore, no new ASDs were necessary.

Reference	Previous 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 approved based on 2-event policy (No SSIs during Second 2022 or First 2023 events)

6.0 MONITORING PROGRAM STATUS

There were no SSIs for Appendix I or Appendix III parameters. Therefore, the Site remains in detection monitoring.

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2023 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 did not identify any SSI for Appendix I or Appendix III parameters. The Site will remain in detection monitoring.

The next semiannual detection monitoring event is tentatively scheduled for August 2023.

8.0 REFERENCES

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US EPA, 2011. *Region IV Data Validation Standard Operating Procedures.* Science and Ecosystem Support Division. Athens, Georgia.

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

US EPA, 2023. Groundwater Sampling – Operating Procedure: LSASDPROC-301-R6, Athens, Georgia, 36 p.

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 Detection
GWA-2	08/17/2004	855307.00	958105.74	53.43	28.47	24.96	17.97	35.46	Upgradient Detection
GWA-3	08/17/2004	855168.65	957788.07	57.75	38.31	19.44	27.81	29.94	Upgradient Detection
GWA-4A*	08/04/2016	855352.40	957496.55	65.00	39.00	26.00	25.00	40.00	Upgradient Detection
GWA-5*	08/18/2004	855677.36	957324.69	62.09	41.71	20.38	31.21	30.88	Upgradient Detection
GWC-9	08/16/2004	856726.86	957902.73	53.38	38.05	15.33	27.55	25.83	Downgradient Detection
GWC-10	08/19/2004	856427.33	958081.67	49.39	33.16	16.23	22.66	26.73	Downgradient Detection
GWC-11	08/18/2004	856116.10	958251.47	57.74	43.22	14.52	32.72	25.02	Downgradient Detection
GWC-12	08/18/2004	855803.06	958419.42	57.05	41.10	15.95	30.60	26.45	Downgradient Detection
GWA-13	10/23/2015	855669.78	957006.93	60.93	40.11	20.82	29.81	31.12	Upgradient Detection
GWA-14	10/27/2015	855474.34	956656.93	61.59	49.90	11.69	39.60	21.99	Upgradient Detection
GWA-15*	10/27/2015	855322.04	956314.43	56.86	40.30	16.56	30.00	26.86	Upgradient Detection
GWA-16	10/27/2015	855639.94	956094.72	54.67	40.27	14.40	29.97	24.70	Upgradient Detection
GWC-17**	10/28/2015	856011.11	956102.53	54.29	40.05	14.24	29.75	24.54	Upgradient Detection
GWC-18**	10/29/2015	856205.60	956438.23	59.74	42.20	17.54	31.90	27.84	Upgradient Detection
GWC-19	10/29/2015	856400.67	956801.55	53.59	36.95	16.64	26.65	26.94	Downgradient Detection
GWC-20	10/30/2015	856561.94	957093.84	47.36	30.13	17.23	19.83	27.53	Downgradient Detection
GWC-21	11/04/2015	856734.02	957390.27	45.22	27.16	18.06	16.86	28.36	Downgradient Detection
GWC-23	05/26/2016	856905.61	957714.35	52.43	33.70	18.73	22.73	29.70	Downgradient Detection
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, approved on April 19, 2023.
5. ** Wells GWC-17 and GWC-18 were approved by Georgia EPD for use in the background monitoring pool until Cell 2B is constructed and waste is placed.

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

Well	Hydraulic Location	Feb. 6-8, 2023
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, approved on April 19, 2023.
4. ** Wells GWC-17 and GWC-18 were approved by Georgia EPD for use in the background monitoring pool until Cell 2B is constructed and waste is placed.

Table 3
Summary of Groundwater Elevations
February 2023
Plant McIntosh Landfill No. 4
Effingham County, Georgia

Well ID	Top of Casing Elevation (NAVD88)	Depth to Water (ft BTOC)	Groundwater Elevation (NAVD88)
GWC-1	46.85	14.76	32.09
GWA-2	53.43	17.10	36.33
GWA-3	57.75	23.46	34.29
GWA-4A*	65.00	27.29	37.71
GWA-5*	62.09	25.79	36.30
GWC-9	53.38	30.09	23.29
GWC-10	49.39	25.37	24.02
GWC-11	57.74	33.76	23.98
GWC-12	57.05	27.90	29.15
GWA-13	60.93	26.46	34.47
GWA-14	61.59	27.65	33.94
GWA-15*	56.86	24.13	32.73
GWA-16	54.67	25.56	29.11
GWC-17	54.29	28.22	26.07
GWC-18	59.74	36.29	23.45
GWC-19	53.59	30.23	23.36
GWC-20	47.36	23.69	23.67
GWC-21	45.22	21.82	23.40
PZ-22*	51.17	28.84	22.33
GWC-23	52.43	29.70	22.73

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 6, 2023.
4. * Well identification as described in 2022 permit, approved on April 19, 2023.

Table 4
Horizontal Groundwater Flow Velocity Calculations
February 2023
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.
	0.859	ft/day	
dh/dl_1 =	0.010	ft/ft unitless	Hydraulic gradient from GWA-3 to GWC-11
dh/dl_2 =	0.011	ft/ft unitless	GWA-5 to GWC-23
dh/dl_3 =	0.014	ft/ft unitless	GWA-14 to GWC-18
dh/dl_{avg} =	0.011	unitless	Average of $dh/dl_{1,2,3}$
P_e =	0.20	unitless	See note 2.

Calculated Flow Velocity

$$v = \frac{(0.86)\,(0.011)}{0.20}$$

v = 0.049 ft/day, or 18 ft/year

Notes

(1) Slug tests performed by Southern Company Services, Inc. (2002)

(2) Default value for silty sands from Interim Final RCRA Investigation (EPA, 1989)

Table 5A
Summary of Groundwater Analytical Data
February 2023
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
		2/7/2023	2/7/2023	2/7/2023	2/7/2023	2/7/2023	2/8/2023	2/8/2023	2/8/2023
APPENDIX III	Boron	<0.022	<0.022	<0.022	0.022 J	0.024 J	0.026 J	0.043 J	0.022 J
	Calcium	1.0	0.38 J	0.66	0.46 J	2.1	2.9	22	9.6
	Chloride	4.5	4.2	3.1	3.2	3.8	7.4	5.6	4.3
	Fluoride	<0.040	0.048 J	<0.040	<0.040	<0.040	0.061 J	0.10	0.31
	pH	5.07	4.73	4.91	4.84	5.17	5.31	6.31	6.24
	Sulfate	0.64 J	<0.40	<0.40	1.7	<0.40	<0.40	1.8	1.9
	TDS	34	32	25	21	24	44	130	71
Required by Permit	Antimony	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
	Arsenic	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	0.0017
	Barium	0.031	0.033	0.012	0.015	0.039	0.024	0.017	0.011
	Beryllium	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	Cadmium	<0.000078	<0.000078	<0.000078	<0.000078	<0.000078	0.000095 J	<0.000078	<0.000078
	Chromium	0.0024	0.0028	0.0019 J	<0.0012	0.0020	0.0013 J	0.0038	0.0059
	Cobalt	0.0016 J	0.0012 J	0.00026 J	0.0013 J	0.00094 J	<0.00022	<0.00022	<0.00022
	Copper	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	Lead	<0.00021	0.0015	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021
	Nickel	0.0012	0.00083 J	<0.00042	<0.00042	0.00046 J	0.00084 J	<0.00042	<0.00042
	Selenium	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099
	Silver	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039
	Thallium	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
	Vanadium	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	0.0010 J	0.00095 J
	Zinc	0.0055	0.0051	0.0032 J	0.0031 J	0.0037 J	<0.0028	<0.0028	<0.0028

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. Well Identification as described in 2022 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWA-4A, GWA-5, GWA-15, and GWA-16, respectively.

Table 5A
Summary of Groundwater Analytical Data
February 2023
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
		2/7/2023	2/6/2023	2/7/2023	2/7/2023	2/7/2023	2/8/2023	2/7/2023	2/8/2023
APPENDIX III	Boron	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.024 J
	Calcium	0.73	0.53	0.58	1.9	0.45 J	2.4	15	6.4
	Chloride	3.5	3.3	4.0	3.6	3.7	4.5	4.3	5.2
	Fluoride	<0.040	<0.040	<0.040	<0.040	<0.040	0.13	0.53	0.10
	pH	5.07	4.75	5.03	5.19	4.88	5.31	6.47	5.59
	Sulfate	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	2.0	2.0
	TDS	27	19	23	23	24	35	90	54
Required by Permit	Antimony	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
	Arsenic	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	0.0011	<0.00086
	Barium	0.011	0.016	0.014	0.025	0.026	0.020	0.012	0.010
	Beryllium	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00071 J	<0.00020	0.00022 J
	Cadmium	<0.000078	<0.000078	<0.000078	<0.000078	<0.000078	0.00058 J	<0.000078	0.00018 J
	Chromium	0.0020	0.0025	0.0021	0.0021	0.0025	0.0044	0.0043	0.0026
	Cobalt	0.00058 J	0.00049 J	0.00043 J	0.00040 J	0.00047 J	<0.00022	<0.00022	<0.00022
	Copper	0.0011 J	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	Lead	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	0.00035 J	<0.00021
	Nickel	0.00082 J	<0.00042	0.00061 J	<0.00042	0.00054 J	0.0017	0.0011	0.0012
	Selenium	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099
	Silver	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039
	Thallium	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
	Vanadium	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	0.0038	0.00088 J
	Zinc	<0.0028	<0.0028	0.0031 J	<0.0028	0.0063	0.0061	0.0032 J	<0.0028

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. Well Identification as described in 2022 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWA-4A, GWA-5, GWA-15, and GWA-16, respectively.

Table 5A
Summary of Groundwater Analytical Data
February 2023
Plant McIntosh Landfill No. 4
Effingham County, Georgia

Parameter		Sample ID		
		GWC-20	GWC-21	GWC-23
		2/8/2023	2/8/2023	2/8/2023
APPENDIX III	Boron	<0.022	0.027 J	<0.022
	Calcium	1.4	1.0	1.2
	Chloride	6.8	5.9	4.9
	Fluoride	0.052 J	<0.040	<0.040
	pH	4.84	4.85	5.08
	Sulfate	<0.40	<0.40	1.7
	TDS	31	32	31
Required by Permit	Antimony	<0.00034	<0.00034	<0.00034
	Arsenic	<0.00086	<0.00086	<0.00086
	Barium	0.015	0.019	0.016
	Beryllium	<0.00020	<0.00020	<0.00020
	Cadmium	0.00011 J	<0.000078	0.00013 J
	Chromium	0.0020	<0.0012	0.0033
	Cobalt	0.00075 J	0.00077 J	0.0014 J
	Copper	<0.0011	<0.0011	<0.0011
	Lead	<0.00021	<0.00021	<0.00021
	Nickel	0.00083 J	0.00064 J	0.0013
	Selenium	<0.00099	<0.00099	<0.00099
	Silver	<0.00039	<0.00039	<0.00039
	Thallium	<0.00026	<0.00026	<0.00026
	Vanadium	<0.00063	<0.00063	<0.00063
	Zinc	<0.0028	<0.0028	0.0046 J

Notes:
1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring.
6. Parameters required by Permit are Appendix I parameters included to meet EPD Rule 391-3-4-.14 requirements.
7. Well Identification as described in 2022 permit submittal for GWC-4A, GWC-5, GWC-15, and GWA-16 are GWA-4A, GWA-5, GWA-15, and GWA-16, respectively.

Table 5B
Summary of Groundwater Anion and Cation Data
February 2023
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
		2/7/2023	2/7/2023	2/7/2023	2/7/2023	2/7/2023	2/8/2023	2/8/2023	2/8/2023
Anions	Alkalinity	9.0	<5.0	<5.0	<5.0	8.8	14	100	37
	Bicarbonate Alkalinity	9.0	<5.0	<5.0	<5.0	8.8	14	100	37
	Carbonate Alkalinity	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Chloride	4.5	4.2	3.1	3.2	3.8	7.4	5.6	4.3
	Sulfate	0.64 J	<0.40	<0.40	1.7	<0.40	<0.40	1.8	1.9
Cations	Calcium	1.0	0.38 J	0.66	0.46 J	2.1	2.9	22	9.6
	Magnesium	0.98	0.74	0.39 J	0.46 J	0.61	1.7	12	3.7
	Potassium	0.86	0.98	0.77	0.60	0.76	0.99	1.3	0.87
	Sodium	5.1	3.4	2.6	2.7	2.6	5.6	5.8	4.2
Total Dissolved Solids		34	32	25	21	24	44	130	71

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
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.

Table 5B
Summary of Groundwater Anion and Cation Data
February 2023
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
		2/7/2023	2/6/2023	2/7/2023	2/7/2023	2/7/2023	2/8/2023	2/7/2023	2/8/2023
Anions	Alkalinity	<5.0	<5.0	<5.0	7.3	<5.0	6.2	60	21
	Bicarbonate Alkalinity	<5.0	<5.0	<5.0	7.3	<5.0	6.2	60	21
	Carbonate Alkalinity	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Chloride	3.5	3.3	4.0	3.6	3.7	4.5	4.3	5.2
	Sulfate	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	2.0	2.0
Cations	Calcium	0.73	0.53	0.58	1.9	0.45 J	2.4	15	6.4
	Magnesium	0.42 J	0.40 J	0.38 J	0.49 J	0.52	0.73	5.9	1.5
	Potassium	0.67	0.66	0.68	0.60	0.79	1.1	1.1	1.0
	Sodium	2.5	2.4	3.4	2.6	2.5	2.4	3.9	4.1
Total Dissolved Solids		27	19	23	23	24	35	90	54

Notes:

1. Results for substances are reported in milligrams per liter (mg/L).
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.

Table 5B
Summary of Groundwater Anion and Cation Data
February 2023
Plant McIntosh Landfill No. 4
Effingham County, Georgia

Parameter		Sample ID		
		GWC-20	GWC-21	GWC-23
		2/8/2023	2/8/2023	2/8/2023
Anions	Alkalinity	5.2	8.9	<5.0
	Bicarbonate Alkalinity	5.2	8.9	<5.0
	Carbonate Alkalinity	<5.0	<5.0	<5.0
	Chloride	6.8	5.9	4.9
	Sulfate	<0.40	<0.40	1.7
Cations	Calcium	1.4	1.0	1.2
	Magnesium	0.76	0.77	0.62
	Potassium	0.81	0.89	0.75
	Sodium	4.3	4.2	4.2
Total Dissolved Solids		31	32	31

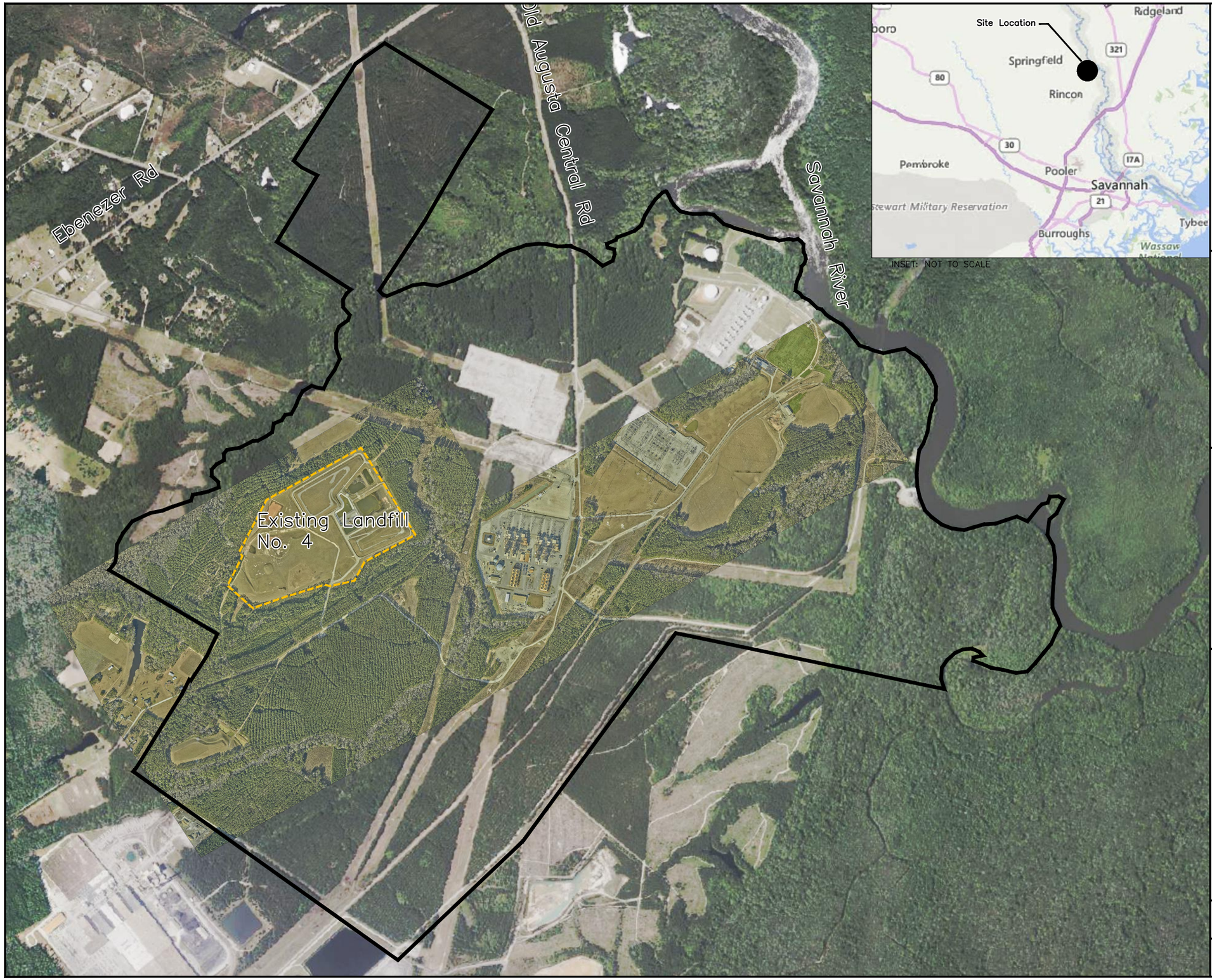
Notes:
1. Results for substances are reported in milligrams per liter (mg/L).
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.

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 Georgia 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 JANUARY 2023 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

Georgia Power

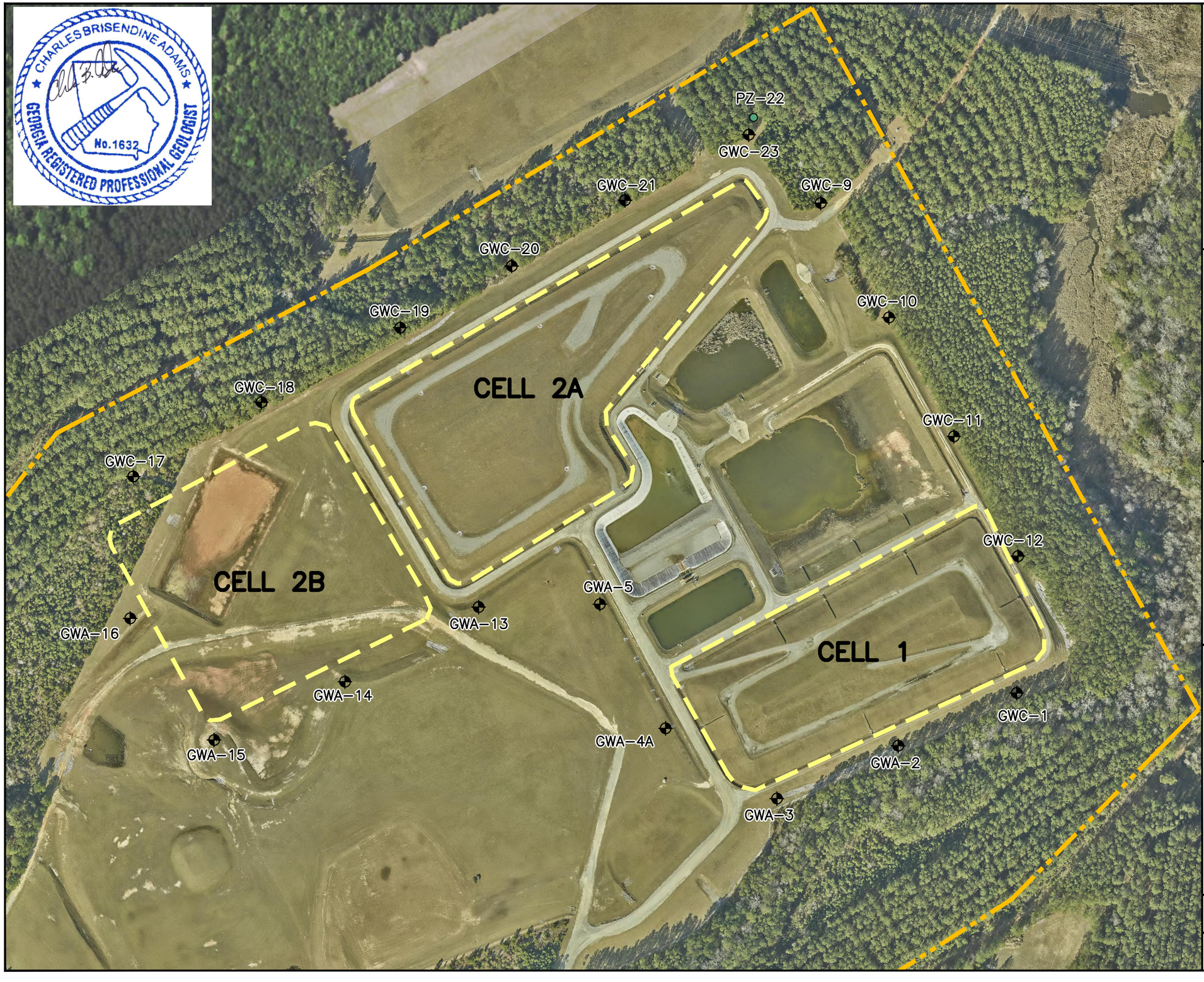
GEORGIA POWER COMPANY
PLANT McINTOSH LANDFILL No. 4

2023 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

SITE LOCATION MAP

PROJECT NO. 1054-117 August 2023

DRAWN BY:	MM	FIGURE:
CHECKED BY:	CA	1



CHARLES BRISENDINE ADAMS
No. 1632
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST

ATLANTIC COAST CONSULTING, INC.

250 0 125 250

SCALE (IN FEET)

LEGEND:

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

NOTES:
1. WELL IDENTIFICATIONS SHOWN ARE 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 JANUARY 2023 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

Georgia Power

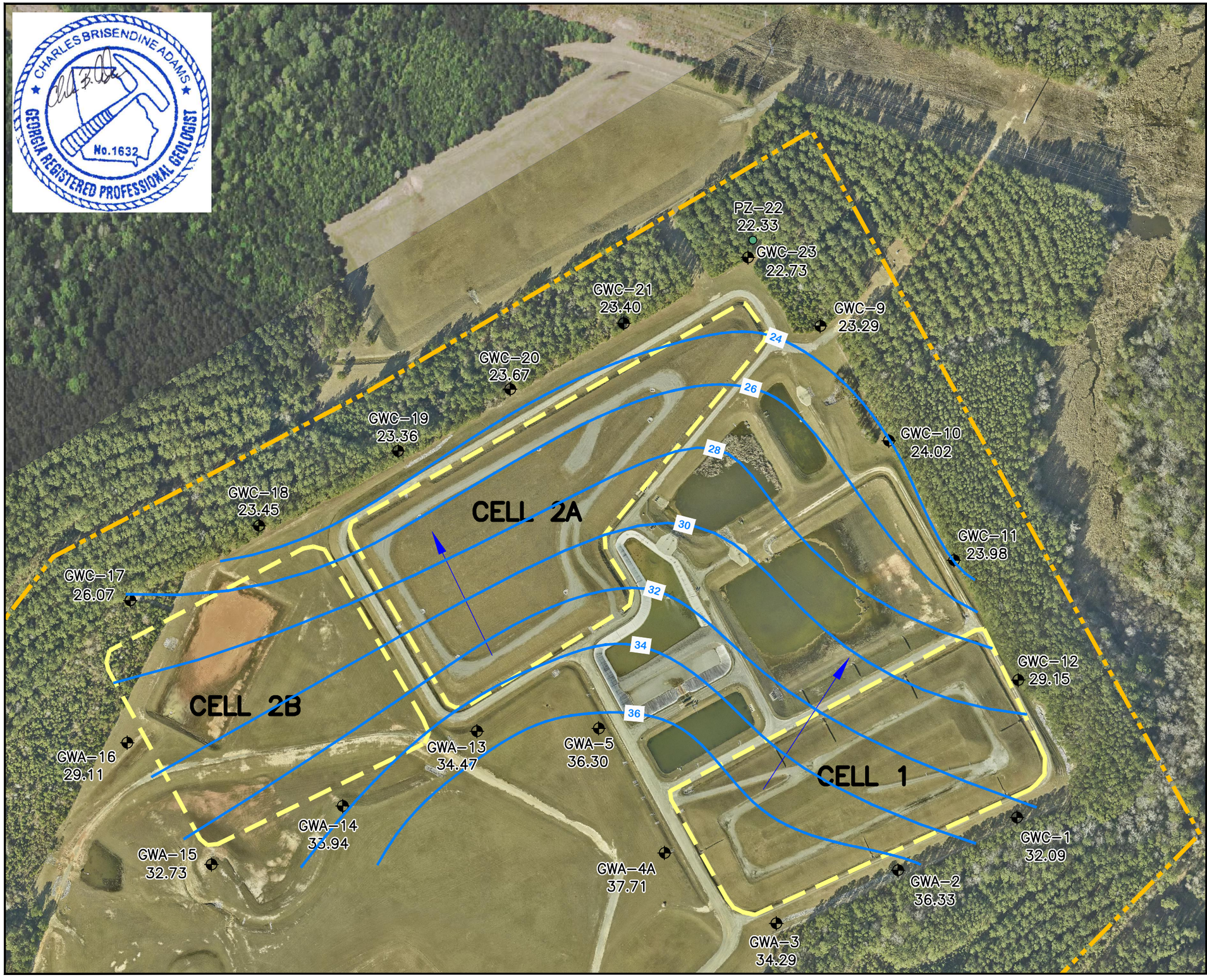
GEORGIA POWER COMPANY
PLANT MCINTOSH LANDFILL NO. 4

2023 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WELL LOCATION MAP

PROJECT NO. I054-117 August 2023

DRAWN BY:	MM	FIGURE:
CHECKED BY:	CA	2



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	DETECTION WELL GROUNDWATER ELEVATION
PZ–22 23.41	PIEZOMETER GROUNDWATER ELEVATION
26	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

NOTES:
1. WELL IDENTIFICATIONS SHOWN ARE 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. MONITORING WELL GWA–3 NOT USED TO CALCULATE POTENTIOMETRIC CONTOURS.
4. AERIAL DATED JANUARY 2023 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT MCINTOSH LANDFILL NO. 4

2023 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

POTENTIOMETRIC CONTOUR MAP FEBRUARY 2023

PROJECT NO. I054-117 August 2023

DRAWN BY:	RW	FIGURE:	3
CHECKED BY:	MM		

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL AND FIELD SAMPLING REPORTS

APPENDIX A

Laboratory Analytical and Field Sampling Reports
February 2023 Monitoring Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Lauren Hartley
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

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JOB DESCRIPTION

Plant McIntosh Landfill 4

JOB NUMBER

680-230302-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

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Revision 1

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

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

Job ID: 680-230302-1

Qualifiers

HPLC/IC

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

Metals

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

Glossary

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

Sample Summary

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

Job ID: 680-230302-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230302-1	MCI-GWA-4A	Water	02/07/23 11:25	02/09/23 10:01
680-230302-2	MCI-LF4-GWA-5	Water	02/07/23 09:50	02/09/23 10:01
680-230302-3	MCI-GWC-19	Water	02/08/23 10:10	02/09/23 10:01
680-230302-4	MCI-LF4-FB-05	Water	02/08/23 09:30	02/09/23 10:01
680-230302-5	MCI-GWC-20	Water	02/08/23 11:20	02/09/23 10:01
680-230302-6	MCI-LF4-FD-04	Water	02/08/23 00:00	02/09/23 10:01
680-230302-7	MCI-GWC-11	Water	02/08/23 14:35	02/09/23 10:01
680-230302-8	MCI-LF4-EB-08	Water	02/08/23 14:45	02/09/23 10:01
680-230302-9	MCI-GWC-17	Water	02/08/23 14:45	02/09/23 10:01
680-230302-10	MCI-LF4-FB-06	Water	02/08/23 14:00	02/09/23 10:01
680-230302-11	MCI-GWC-9	Water	02/08/23 11:10	02/09/23 10:01
680-230302-12	MCI-GWA-13	Water	02/06/23 16:35	02/09/23 10:01
680-230302-13	MCI-GWA-14	Water	02/07/23 09:40	02/09/23 10:01
680-230302-14	MCI-GWA-15	Water	02/07/23 10:35	02/09/23 10:01
680-230302-15	MCI-GWA-16	Water	02/07/23 11:30	02/09/23 10:01
680-230302-16	MCI-GWC-18	Water	02/07/23 16:35	02/09/23 10:01
680-230302-17	MCI-LF4-EB-07	Water	02/07/23 16:50	02/09/23 10:01
680-230302-18	MCI-GWC-12	Water	02/07/23 16:15	02/09/23 10:01
680-230302-19	MCI-LF4-GWC-1	Water	02/07/23 15:20	02/09/23 10:01
680-230302-20	MCI-LF4-GWA-2	Water	02/07/23 14:05	02/09/23 10:01
680-230302-21	MCI-GWA-3	Water	02/07/23 12:35	02/09/23 10:01
680-230302-22	MCI-LF4-FD-03	Water	02/07/23 00:00	02/09/23 10:01
680-230302-23	MCI-GWC-10	Water	02/08/23 09:50	02/09/23 10:01
680-230302-24	MCI-GWC-21	Water	02/08/23 14:15	02/09/23 10:01
680-230302-25	MCI-GWC-23	Water	02/08/23 12:40	02/09/23 10:01

Case Narrative

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

Job ID: 680-230302-1

Job ID: 680-230302-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative
680-230302-1

Revision 1
The report being provided is a revision of the original report sent on 2/22/2023. The report (revision 1) is being revised in order to reanalyze for metals for the sample, MCI-GWC-12 (680-230302-18), due to suspected lab contamination. These new results replace the previous metals results.

Receipt
The samples were received on 2/9/2023 10:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.7°C, 1.5°C, 1.9°C and 2.7°C

HPLC/IC
Method 300_ORGFM_28D: The matrix spike duplicate (MSD) recoveries for analytical batch 680-762938 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Metals
No 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.

Client Sample ID: MCI-GWA-4A

Lab Sample ID: 680-230302-1

Date Collected: 02/07/23 11:25

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.2**		1.0	0.20	mg/L			02/11/23 10:51	1
Fluoride	<0.040	F1	0.10	0.040	mg/L			02/11/23 10:51	1
Sulfate	**1.7**		1.0	0.40	mg/L			02/11/23 10:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 18:26	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 18:26	1
Barium	**0.015**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 18:26	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 18:26	1
Boron	**0.022**	**J**	0.080	0.022	mg/L		02/10/23 05:52	02/10/23 18:26	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 18:26	1
Calcium	**0.46**	**J**	0.50	0.14	mg/L		02/10/23 05:52	02/10/23 18:26	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 18:26	1
Cobalt	**0.0013**	**J**	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 18:26	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 18:26	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 18:26	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 18:26	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 18:26	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 18:26	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 18:26	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 18:26	1
Zinc	**0.0031**	**J**	0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 18:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**21**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.84**				SU			02/07/23 11:25	1

Client Sample ID: MCI-LF4-GWA-5

Lab Sample ID: 680-230302-2

Date Collected: 02/07/23 09:50

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.8**		1.0	0.20	mg/L			02/11/23 11:30	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 11:30	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 11:30	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 18:38	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 18:38	1
Barium	**0.039**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 18:38	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 18:38	1
Boron	**0.024**	**J**	0.080	0.022	mg/L		02/10/23 05:52	02/10/23 18:38	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 18:38	1

Client Sample ID: MCI-LF4-GWA-5

Lab Sample ID: 680-230302-2

Date Collected: 02/07/23 09:50

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	2.1		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 18:38	1
Chromium	0.0020		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 18:38	1
Cobalt	0.00094	J	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 18:38	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 18:38	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 18:38	1
Nickel	0.00046	J	0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 18:38	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 18:38	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 18:38	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 18:38	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 18:38	1
Zinc	0.0037	J	0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	24		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.17				SU			02/07/23 09:50	1

Client Sample ID: MCI-GWC-19

Lab Sample ID: 680-230302-3

Date Collected: 02/08/23 10:10

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.2		1.0	0.20	mg/L			02/11/23 11:43	1
Fluoride	0.10		0.10	0.040	mg/L			02/11/23 11:43	1
Sulfate	2.0		1.0	0.40	mg/L			02/11/23 11:43	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 18:42	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 18:42	1
Barium	0.010		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 18:42	1
Beryllium	0.00022	J	0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 18:42	1
Boron	0.024	J	0.080	0.022	mg/L		02/10/23 05:52	02/10/23 18:42	1
Cadmium	0.00018	J	0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 18:42	1
Calcium	6.4		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 18:42	1
Chromium	0.0026		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 18:42	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 18:42	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 18:42	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 18:42	1
Nickel	0.0012		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 18:42	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 18:42	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 18:42	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 18:42	1
Vanadium	0.00088	J	0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 18:42	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 18:42	1

Client Sample ID: MCI-GWC-19

Lab Sample ID: 680-230302-3

Date Collected: 02/08/23 10:10

Matrix: Water

Date Received: 02/09/23 10:01

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	54		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.59				SU			02/08/23 10:10	1

Client Sample ID: MCI-LF4-FB-05

Lab Sample ID: 680-230302-4

Date Collected: 02/08/23 09:30

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/11/23 17:25	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 17:25	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 17:25	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 18:46	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 18:46	1
Barium	<0.00089		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 18:46	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 18:46	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 18:46	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 18:46	1
Calcium	<0.14		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 18:46	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 18:46	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 18:46	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 18:46	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 18:46	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 18:46	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 18:46	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 18:46	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 18:46	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 18:46	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/10/23 13:00	1

Client Sample ID: MCI-GWC-20

Lab Sample ID: 680-230302-5

Date Collected: 02/08/23 11:20

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.8		1.0	0.20	mg/L			02/11/23 18:05	1
Fluoride	0.052	J	0.10	0.040	mg/L			02/11/23 18:05	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 18:05	1

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

Job ID: 680-230302-1

Client Sample ID: MCI-GWC-20

Lab Sample ID: 680-230302-5

Date Collected: 02/08/23 11:20

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 18:50	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 18:50	1
Barium	**0.015**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 18:50	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 18:50	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 18:50	1
Cadmium	**0.00011**	**J**	0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 18:50	1
Calcium	**1.4**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 18:50	1
Chromium	**0.0020**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 18:50	1
Cobalt	**0.00075**	**J**	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 18:50	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 18:50	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 18:50	1
Nickel	**0.00083**	**J**	0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 18:50	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 18:50	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 18:50	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 18:50	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 18:50	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**31**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.84**				SU			02/08/23 11:20	1

Client Sample ID: MCI-LF4-FD-04

Lab Sample ID: 680-230302-6

Date Collected: 02/08/23 00:00

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.8**		1.0	0.20	mg/L			02/11/23 18:18	1
Fluoride	**0.052**	**J**	0.10	0.040	mg/L			02/11/23 18:18	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 18:18	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 18:54	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 18:54	1
Barium	**0.015**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 18:54	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 18:54	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 18:54	1
Cadmium	**0.000095**	**J**	0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 18:54	1
Calcium	**1.4**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 18:54	1
Chromium	**0.0020**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 18:54	1
Cobalt	**0.00082**	**J**	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 18:54	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 18:54	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 18:54	1
Nickel	**0.00078**	**J**	0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 18:54	1

Client Sample ID: MCI-LF4-FD-04

Lab Sample ID: 680-230302-6

Date Collected: 02/08/23 00:00

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 18:54	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 18:54	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 18:54	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 18:54	1
Zinc	**0.031**		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 18:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**34**		10	10	mg/L			02/10/23 13:00	1

Client Sample ID: MCI-GWC-11

Lab Sample ID: 680-230302-7

Date Collected: 02/08/23 14:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.3**		1.0	0.20	mg/L			02/11/23 18:31	1
Fluoride	**0.31**		0.10	0.040	mg/L			02/11/23 18:31	1
Sulfate	**1.9**		1.0	0.40	mg/L			02/11/23 18:31	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:06	1
Arsenic	**0.0017**		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:06	1
Barium	**0.011**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:06	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:06	1
Boron	**0.022**	**J**	0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:06	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:06	1
Calcium	**9.6**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:06	1
Chromium	**0.0059**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:06	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:06	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:06	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:06	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:06	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:06	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:06	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:06	1
Vanadium	**0.00095**	**J**	0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:06	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**71**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.24**				SU			02/08/23 14:35	1

Client Sample ID: MCI-LF4-EB-08

Lab Sample ID: 680-230302-8

Date Collected: 02/08/23 14:45

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/11/23 18:44	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 18:44	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 18:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:10	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:10	1
Barium	<0.00089		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:10	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:10	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:10	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:10	1
Calcium	<0.14		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:10	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:10	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:10	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:10	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:10	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:10	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:10	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:10	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:10	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:10	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/10/23 13:00	1

Client Sample ID: MCI-GWC-17

Lab Sample ID: 680-230302-9

Date Collected: 02/08/23 14:45

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.5**		1.0	0.20	mg/L			02/11/23 18:57	1
Fluoride	**0.13**		0.10	0.040	mg/L			02/11/23 18:57	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 18:57	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:15	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:15	1
Barium	**0.020**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:15	1
Beryllium	**0.00071**	**J**	0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:15	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:15	1
Cadmium	**0.00058**	**J**	0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:15	1
Calcium	**2.4**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:15	1
Chromium	**0.0044**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:15	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:15	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:15	1

Client Sample ID: MCI-GWC-17

Lab Sample ID: 680-230302-9

Date Collected: 02/08/23 14:45

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:15	1
Nickel	**0.0017**		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:15	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:15	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:15	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:15	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:15	1
Zinc	**0.0061**		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**35**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.31**				SU			02/08/23 14:45	1

Client Sample ID: MCI-LF4-FB-06

Lab Sample ID: 680-230302-10

Date Collected: 02/08/23 14:00

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/11/23 19:10	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 19:10	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 19:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:19	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:19	1
Barium	<0.00089		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:19	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:19	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:19	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:19	1
Calcium	<0.14		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:19	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:19	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:19	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:19	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:19	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:19	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:19	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:19	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:19	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:19	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/10/23 13:00	1

Client Sample ID: MCI-GWC-9

Lab Sample ID: 680-230302-11

Date Collected: 02/08/23 11:10

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.4**		1.0	0.20	mg/L			02/11/23 19:24	1
Fluoride	**0.061**	**J**	0.10	0.040	mg/L			02/11/23 19:24	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 19:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:23	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:23	1
Barium	**0.024**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:23	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:23	1
Boron	**0.026**	**J**	0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:23	1
Cadmium	**0.000095**	**J**	0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:23	1
Calcium	**2.9**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:23	1
Chromium	**0.0013**	**J**	0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:23	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:23	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:23	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:23	1
Nickel	**0.00084**	**J**	0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:23	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:23	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:23	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:23	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:23	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**44**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.31**				SU			02/08/23 11:10	1

Client Sample ID: MCI-GWA-13

Lab Sample ID: 680-230302-12

Date Collected: 02/06/23 16:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.3**		1.0	0.20	mg/L			02/11/23 11:56	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 11:56	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 11:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:27	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:27	1
Barium	**0.016**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:27	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:27	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:27	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:27	1

Client Sample ID: MCI-GWA-13

Lab Sample ID: 680-230302-12

Date Collected: 02/06/23 16:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**0.53**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:27	1
Chromium	**0.0025**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:27	1
Cobalt	**0.00049**	**J**	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:27	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:27	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:27	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:27	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:27	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:27	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:27	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:27	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**19**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.75**				SU			02/06/23 16:35	1

Client Sample ID: MCI-GWA-14

Lab Sample ID: 680-230302-13

Date Collected: 02/07/23 09:40

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.0**		1.0	0.20	mg/L			02/11/23 12:10	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 12:10	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 12:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:31	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:31	1
Barium	**0.014**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:31	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:31	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:31	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:31	1
Calcium	**0.58**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:31	1
Chromium	**0.0021**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:31	1
Cobalt	**0.00043**	**J**	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:31	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:31	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:31	1
Nickel	**0.00061**	**J**	0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:31	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:31	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:31	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:31	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:31	1
Zinc	**0.0031**	**J**	0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:31	1

Client Sample ID: MCI-GWA-14

Lab Sample ID: 680-230302-13

Date Collected: 02/07/23 09:40

Matrix: Water

Date Received: 02/09/23 10:01

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	23		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.03				SU			02/07/23 09:40	1

Client Sample ID: MCI-GWA-15

Lab Sample ID: 680-230302-14

Date Collected: 02/07/23 10:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.6		1.0	0.20	mg/L			02/11/23 12:23	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 12:23	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 12:23	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:35	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:35	1
Barium	0.025		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:35	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:35	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:35	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:35	1
Calcium	1.9		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:35	1
Chromium	0.0021		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:35	1
Cobalt	0.00040	J	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:35	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:35	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:35	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:35	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:35	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:35	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:35	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:35	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	23		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.19				SU			02/07/23 10:35	1

Client Sample ID: MCI-GWA-16

Lab Sample ID: 680-230302-15

Date Collected: 02/07/23 11:30

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.20	mg/L			02/11/23 12:36	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 12:36	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 12:36	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:39	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:39	1
Barium	**0.026**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:39	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:39	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:39	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:39	1
Calcium	**0.45**	**J**	0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:39	1
Chromium	**0.0025**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:39	1
Cobalt	**0.00047**	**J**	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:39	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:39	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:39	1
Nickel	**0.00054**	**J**	0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:39	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:39	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:39	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:39	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:39	1
Zinc	**0.0063**		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**24**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.88**				SU			02/07/23 11:30	1

Client Sample ID: MCI-GWC-18

Lab Sample ID: 680-230302-16

Date Collected: 02/07/23 16:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.3**		1.0	0.20	mg/L			02/11/23 12:49	1
Fluoride	**0.53**		0.10	0.040	mg/L			02/11/23 12:49	1
Sulfate	**2.0**		1.0	0.40	mg/L			02/11/23 12:49	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:43	1
Arsenic	**0.0011**		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:43	1
Barium	**0.012**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:43	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:43	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:43	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:43	1

Client Sample ID: MCI-GWC-18

Lab Sample ID: 680-230302-16

Date Collected: 02/07/23 16:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**15**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:43	1
Chromium	**0.0043**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:43	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:43	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:43	1
Lead	**0.00035**	**J**	0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:43	1
Nickel	**0.0011**		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:43	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:43	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:43	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:43	1
Vanadium	**0.0038**		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:43	1
Zinc	**0.0032**	**J**	0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**90**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.47**				SU			02/07/23 16:35	1

Client Sample ID: MCI-LF4-EB-07

Lab Sample ID: 680-230302-17

Date Collected: 02/07/23 16:50

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/11/23 13:02	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 13:02	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 13:02	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 19:55	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 19:55	1
Barium	<0.00089		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 19:55	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 19:55	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 19:55	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 19:55	1
Calcium	<0.14		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 19:55	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 19:55	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 19:55	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 19:55	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 19:55	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 19:55	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 19:55	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 19:55	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 19:55	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 19:55	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 19:55	1

Client Sample ID: MCI-LF4-EB-07

Lab Sample ID: 680-230302-17

Date Collected: 02/07/23 16:50

Matrix: Water

Date Received: 02/09/23 10:01

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/10/23 13:00	1

Client Sample ID: MCI-GWC-12

Lab Sample ID: 680-230302-18

Date Collected: 02/07/23 16:15

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.5**		1.0	0.20	mg/L			02/11/23 13:15	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 13:15	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 13:15	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/27/23 13:43	02/28/23 11:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/27/23 13:43	02/28/23 11:09	1
Barium	**0.011**		0.010	0.00089	mg/L		02/27/23 13:43	02/28/23 11:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/27/23 13:43	02/28/23 11:09	1
Boron	<0.022		0.080	0.022	mg/L		02/27/23 13:43	02/28/23 11:09	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/27/23 13:43	02/28/23 11:09	1
Calcium	**0.73**		0.50	0.14	mg/L		02/27/23 13:43	02/28/23 11:09	1
Chromium	**0.0020**		0.0020	0.0012	mg/L		02/27/23 13:43	02/28/23 11:09	1
Cobalt	**0.00058**	**J**	0.0025	0.00022	mg/L		02/27/23 13:43	02/28/23 11:09	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/27/23 13:43	02/28/23 11:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/27/23 13:43	02/28/23 11:09	1
Nickel	**0.00082**	**J**	0.0010	0.00042	mg/L		02/27/23 13:43	02/28/23 11:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/27/23 13:43	02/28/23 11:09	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/27/23 13:43	02/28/23 11:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/27/23 13:43	02/28/23 11:09	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/27/23 13:43	02/28/23 11:09	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/27/23 13:43	02/28/23 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**27**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.07**				SU			02/07/23 16:15	1

Client Sample ID: MCI-LF4-GWC-1

Lab Sample ID: 680-230302-19

Date Collected: 02/07/23 15:20

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.5**		1.0	0.20	mg/L			02/11/23 14:34	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 14:34	1
Sulfate	**0.64**	**J**	1.0	0.40	mg/L			02/11/23 14:34	1

Client Sample ID: MCI-LF4-GWC-1

Lab Sample ID: 680-230302-19

Date Collected: 02/07/23 15:20

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 20:04	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 20:04	1
Barium	**0.031**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 20:04	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 20:04	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 20:04	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 20:04	1
Calcium	**1.0**		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 20:04	1
Chromium	**0.0024**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 20:04	1
Cobalt	**0.0016**	**J**	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 20:04	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 20:04	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 20:04	1
Nickel	**0.0012**		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 20:04	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 20:04	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 20:04	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 20:04	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 20:04	1
Zinc	**0.0055**		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 20:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**34**		10	10	mg/L			02/10/23 13:00	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.07**				SU			02/07/23 15:20	1

Client Sample ID: MCI-LF4-GWA-2

Lab Sample ID: 680-230302-20

Date Collected: 02/07/23 14:05

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.2**		1.0	0.20	mg/L			02/11/23 15:14	1
Fluoride	**0.048**	**J**	0.10	0.040	mg/L			02/11/23 15:14	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 15:14	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 20:08	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 20:08	1
Barium	**0.033**		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 20:08	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 20:08	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 20:08	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 20:08	1
Calcium	**0.38**	**J**	0.50	0.14	mg/L		02/10/23 05:52	02/10/23 20:08	1
Chromium	**0.0028**		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 20:08	1
Cobalt	**0.0012**	**J**	0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 20:08	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 20:08	1
Lead	**0.0015**		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 20:08	1
Nickel	**0.00083**	**J**	0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 20:08	1

Client Sample ID: MCI-LF4-GWA-2

Lab Sample ID: 680-230302-20

Date Collected: 02/07/23 14:05

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 20:08	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 20:08	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 20:08	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 20:08	1
Zinc	**0.0051**		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 20:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**32**		10	10	mg/L			02/10/23 13:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.73**				SU			02/07/23 14:05	1

Client Sample ID: MCI-GWA-3

Lab Sample ID: 680-230302-21

Date Collected: 02/07/23 12:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.1**		1.0	0.20	mg/L			02/11/23 15:27	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 15:27	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 15:27	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:56	02/10/23 22:02	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:56	02/10/23 22:02	1
Barium	**0.012**		0.010	0.00089	mg/L		02/10/23 05:56	02/10/23 22:02	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:56	02/10/23 22:02	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:56	02/10/23 22:02	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:56	02/10/23 22:02	1
Calcium	**0.66**		0.50	0.14	mg/L		02/10/23 05:56	02/10/23 22:02	1
Chromium	**0.0019**	**J**	0.0020	0.0012	mg/L		02/10/23 05:56	02/10/23 22:02	1
Cobalt	**0.00026**	**J**	0.0025	0.00022	mg/L		02/10/23 05:56	02/10/23 22:02	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:56	02/10/23 22:02	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:56	02/10/23 22:02	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:56	02/10/23 22:02	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:56	02/10/23 22:02	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:56	02/10/23 22:02	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:56	02/10/23 22:02	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:56	02/10/23 22:02	1
Zinc	**0.0032**	**J**	0.0050	0.0028	mg/L		02/10/23 05:56	02/10/23 22:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**25**		10	10	mg/L			02/10/23 13:46	1

Client Sample ID: MCI-GWA-3

Lab Sample ID: 680-230302-21

Date Collected: 02/07/23 12:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.91**				SU			02/07/23 12:35	1

Client Sample ID: MCI-LF4-FD-03

Lab Sample ID: 680-230302-22

Date Collected: 02/07/23 00:00

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.5**		1.0	0.20	mg/L			02/11/23 15:40	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 15:40	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 15:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:56	02/10/23 22:14	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:56	02/10/23 22:14	1
Barium	**0.011**		0.010	0.00089	mg/L		02/10/23 05:56	02/10/23 22:14	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:56	02/10/23 22:14	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:56	02/10/23 22:14	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:56	02/10/23 22:14	1
Calcium	**0.73**		0.50	0.14	mg/L		02/10/23 05:56	02/10/23 22:14	1
Chromium	**0.0026**		0.0020	0.0012	mg/L		02/10/23 05:56	02/10/23 22:14	1
Cobalt	**0.00061**	**J**	0.0025	0.00022	mg/L		02/10/23 05:56	02/10/23 22:14	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:56	02/10/23 22:14	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:56	02/10/23 22:14	1
Nickel	**0.0012**		0.0010	0.00042	mg/L		02/10/23 05:56	02/10/23 22:14	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:56	02/10/23 22:14	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:56	02/10/23 22:14	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:56	02/10/23 22:14	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:56	02/10/23 22:14	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:56	02/10/23 22:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**26**		10	10	mg/L			02/10/23 13:46	1

Client Sample ID: MCI-GWC-10

Lab Sample ID: 680-230302-23

Date Collected: 02/08/23 09:50

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.6**		1.0	0.20	mg/L			02/11/23 19:37	1
Fluoride	**0.10**		0.10	0.040	mg/L			02/11/23 19:37	1
Sulfate	**1.8**		1.0	0.40	mg/L			02/11/23 19:37	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:56	02/10/23 22:18	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:56	02/10/23 22:18	1

Client Sample ID: MCI-GWC-10

Lab Sample ID: 680-230302-23

Date Collected: 02/08/23 09:50

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**0.017**		0.010	0.00089	mg/L		02/10/23 05:56	02/10/23 22:18	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:56	02/10/23 22:18	1
Boron	**0.043**	**J**	0.080	0.022	mg/L		02/10/23 05:56	02/10/23 22:18	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:56	02/10/23 22:18	1
Calcium	**22**		0.50	0.14	mg/L		02/10/23 05:56	02/10/23 22:18	1
Chromium	**0.0038**		0.0020	0.0012	mg/L		02/10/23 05:56	02/10/23 22:18	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:56	02/10/23 22:18	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:56	02/10/23 22:18	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:56	02/10/23 22:18	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:56	02/10/23 22:18	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:56	02/10/23 22:18	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:56	02/10/23 22:18	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:56	02/10/23 22:18	1
Vanadium	**0.0010**	**J**	0.0020	0.00063	mg/L		02/10/23 05:56	02/10/23 22:18	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:56	02/10/23 22:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**130**		10	10	mg/L			02/10/23 13:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**6.31**				SU			02/08/23 09:50	1

Client Sample ID: MCI-GWC-21

Lab Sample ID: 680-230302-24

Date Collected: 02/08/23 14:15

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.9**		1.0	0.20	mg/L			02/11/23 19:50	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 19:50	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 19:50	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:56	02/10/23 22:22	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:56	02/10/23 22:22	1
Barium	**0.019**		0.010	0.00089	mg/L		02/10/23 05:56	02/10/23 22:22	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:56	02/10/23 22:22	1
Boron	**0.027**	**J**	0.080	0.022	mg/L		02/10/23 05:56	02/10/23 22:22	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:56	02/10/23 22:22	1
Calcium	**1.0**		0.50	0.14	mg/L		02/10/23 05:56	02/10/23 22:22	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/10/23 05:56	02/10/23 22:22	1
Cobalt	**0.00077**	**J**	0.0025	0.00022	mg/L		02/10/23 05:56	02/10/23 22:22	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:56	02/10/23 22:22	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:56	02/10/23 22:22	1
Nickel	**0.00064**	**J**	0.0010	0.00042	mg/L		02/10/23 05:56	02/10/23 22:22	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:56	02/10/23 22:22	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:56	02/10/23 22:22	1

Client Sample ID: MCI-GWC-21

Lab Sample ID: 680-230302-24

Date Collected: 02/08/23 14:15

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:56	02/10/23 22:22	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:56	02/10/23 22:22	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:56	02/10/23 22:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**32**		10	10	mg/L			02/10/23 13:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.85**				SU			02/08/23 14:15	1

Client Sample ID: MCI-GWC-23

Lab Sample ID: 680-230302-25

Date Collected: 02/08/23 12:40

Matrix: Water

Date Received: 02/09/23 10:01

Method: MCAWW 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.9**		1.0	0.20	mg/L			02/11/23 20:29	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 20:29	1
Sulfate	**1.7**		1.0	0.40	mg/L			02/11/23 20:29	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:56	02/10/23 22:26	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:56	02/10/23 22:26	1
Barium	**0.016**		0.010	0.00089	mg/L		02/10/23 05:56	02/10/23 22:26	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:56	02/10/23 22:26	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:56	02/10/23 22:26	1
Cadmium	**0.00013**	**J**	0.0025	0.000078	mg/L		02/10/23 05:56	02/10/23 22:26	1
Calcium	**1.2**		0.50	0.14	mg/L		02/10/23 05:56	02/10/23 22:26	1
Chromium	**0.0033**		0.0020	0.0012	mg/L		02/10/23 05:56	02/10/23 22:26	1
Cobalt	**0.0014**	**J**	0.0025	0.00022	mg/L		02/10/23 05:56	02/10/23 22:26	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:56	02/10/23 22:26	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:56	02/10/23 22:26	1
Nickel	**0.0013**		0.0010	0.00042	mg/L		02/10/23 05:56	02/10/23 22:26	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:56	02/10/23 22:26	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:56	02/10/23 22:26	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:56	02/10/23 22:26	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:56	02/10/23 22:26	1
Zinc	**0.0046**	**J**	0.0050	0.0028	mg/L		02/10/23 05:56	02/10/23 22:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	**31**		10	10	mg/L			02/10/23 13:46	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**5.08**				SU			02/08/23 12:40	1

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-762938/2
Matrix: Water
Analysis Batch: 762938

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/11/23 09:50	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 09:50	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 09:50	1

Lab Sample ID: LCS 680-762938/4
Matrix: Water
Analysis Batch: 762938

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			10.0	10.3		mg/L		103	90 - 110		
Fluoride			2.00	2.17		mg/L		108	90 - 110		
Sulfate			10.0	10.4		mg/L		104	90 - 110		

Lab Sample ID: LCSD 680-762938/5
Matrix: Water
Analysis Batch: 762938

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			10.0	10.3		mg/L		103	90 - 110	0	15
Fluoride			2.00	2.17		mg/L		109	90 - 110	0	15
Sulfate			10.0	10.4		mg/L		104	90 - 110	0	15

Lab Sample ID: 680-230302-1 MS
Matrix: Water
Analysis Batch: 762938

Client Sample ID: MCI-GWA-4A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	3.2		10.0	12.4		mg/L		92	80 - 120		
Fluoride	<0.040	F1	2.00	2.24		mg/L		112	80 - 120		
Sulfate	1.7		10.0	11.4		mg/L		97	80 - 120		

Lab Sample ID: 680-230302-1 MSD
Matrix: Water
Analysis Batch: 762938

Client Sample ID: MCI-GWA-4A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.2		10.0	13.3		mg/L		101	80 - 120	7	15
Fluoride	<0.040	F1	2.00	2.52	F1	mg/L		126	80 - 120	12	15
Sulfate	1.7		10.0	12.8		mg/L		112	80 - 120	12	15

Lab Sample ID: 680-230302-19 MS
Matrix: Water
Analysis Batch: 762938

Client Sample ID: MCI-LF4-GWC-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4.5		10.0	14.5		mg/L		100	80 - 120		
Fluoride	<0.040		2.00	2.20		mg/L		110	80 - 120		
Sulfate	0.64	J	10.0	10.6		mg/L		99	80 - 120		

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-230302-19 MSD
Matrix: Water
Analysis Batch: 762938

Client Sample ID: MCI-LF4-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	4.5		10.0	14.2		mg/L		97	80 - 120	2	15
Fluoride	<0.040		2.00	2.20		mg/L		110	80 - 120	0	15
Sulfate	0.64	J	10.0	10.6		mg/L		99	80 - 120	0	15

Lab Sample ID: MB 680-762939/33
Matrix: Water
Analysis Batch: 762939

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/11/23 16:46	1
Fluoride	<0.040		0.10	0.040	mg/L			02/11/23 16:46	1
Sulfate	<0.40		1.0	0.40	mg/L			02/11/23 16:46	1

Lab Sample ID: LCS 680-762939/34
Matrix: Water
Analysis Batch: 762939

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.3		mg/L		103	90 - 110
Fluoride	2.00	2.14		mg/L		107	90 - 110
Sulfate	10.0	9.83		mg/L		98	90 - 110

Lab Sample ID: LCSD 680-762939/35
Matrix: Water
Analysis Batch: 762939

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.3		mg/L		103	90 - 110	0	15
Fluoride	2.00	2.15		mg/L		107	90 - 110	1	15
Sulfate	10.0	9.96		mg/L		100	90 - 110	1	15

Lab Sample ID: 680-230302-4 MS
Matrix: Water
Analysis Batch: 762939

Client Sample ID: MCI-LF4-FB-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.20		10.0	10.3		mg/L		103	80 - 120
Fluoride	<0.040		2.00	2.16		mg/L		108	80 - 120
Sulfate	<0.40		10.0	10.1		mg/L		101	80 - 120

Lab Sample ID: 680-230302-4 MSD
Matrix: Water
Analysis Batch: 762939

Client Sample ID: MCI-LF4-FB-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.20		10.0	10.2		mg/L		102	80 - 120	1	15
Fluoride	<0.040		2.00	2.15		mg/L		107	80 - 120	1	15
Sulfate	<0.40		10.0	10.1		mg/L		101	80 - 120	0	15

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 680-230302-25 MS
Matrix: Water
Analysis Batch: 762939

Client Sample ID: MCI-GWC-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.9		10.0	14.5		mg/L		96	80 - 120
Fluoride	<0.040		2.00	2.06		mg/L		103	80 - 120
Sulfate	1.7		10.0	11.3		mg/L		96	80 - 120

Lab Sample ID: 680-230302-25 MSD
Matrix: Water
Analysis Batch: 762939

Client Sample ID: MCI-GWC-23
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.9		10.0	14.6		mg/L		98	80 - 120	1	15
Fluoride	<0.040		2.00	2.10		mg/L		105	80 - 120	2	15
Sulfate	1.7		10.0	11.5		mg/L		98	80 - 120	2	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-762797/1-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:52	02/10/23 18:18	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:52	02/10/23 18:18	1
Barium	<0.00089		0.010	0.00089	mg/L		02/10/23 05:52	02/10/23 18:18	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:52	02/10/23 18:18	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:52	02/10/23 18:18	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:52	02/10/23 18:18	1
Calcium	<0.14		0.50	0.14	mg/L		02/10/23 05:52	02/10/23 18:18	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/10/23 05:52	02/10/23 18:18	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:52	02/10/23 18:18	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:52	02/10/23 18:18	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:52	02/10/23 18:18	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:52	02/10/23 18:18	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:52	02/10/23 18:18	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:52	02/10/23 18:18	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:52	02/10/23 18:18	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:52	02/10/23 18:18	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:52	02/10/23 18:18	1

Lab Sample ID: LCS 680-762797/2-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0495		mg/L		99	80 - 120
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	0.100	0.0987		mg/L		99	80 - 120
Beryllium	0.0500	0.0475		mg/L		95	80 - 120
Boron	0.200	0.202		mg/L		101	80 - 120
Cadmium	0.0500	0.0478		mg/L		96	80 - 120

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

Lab Sample ID: LCS 680-762797/2-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	5.00	4.94		mg/L		99	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0502		mg/L		100	80 - 120
Copper	0.100	0.108		mg/L		108	80 - 120
Lead	0.505	0.497		mg/L		99	80 - 120
Nickel	0.100	0.100		mg/L		100	80 - 120
Selenium	0.100	0.0998		mg/L		100	80 - 120
Silver	0.0500	0.0508		mg/L		102	80 - 120
Thallium	0.0500	0.0466		mg/L		93	80 - 120
Vanadium	0.100	0.0969		mg/L		97	80 - 120
Zinc	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: 680-230302-1 MS
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-4A
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0525		mg/L		105	75 - 125
Arsenic	<0.00086		0.100	0.105		mg/L		105	75 - 125
Barium	0.015		0.100	0.116		mg/L		101	75 - 125
Beryllium	<0.00020		0.0500	0.0500		mg/L		100	75 - 125
Boron	0.022	J	0.200	0.225		mg/L		101	75 - 125
Cadmium	<0.000078		0.0500	0.0518		mg/L		104	75 - 125
Calcium	0.46	J	5.00	5.68		mg/L		104	75 - 125
Chromium	<0.0012		0.100	0.111		mg/L		111	75 - 125
Cobalt	0.0013	J	0.0500	0.0547		mg/L		107	75 - 125
Copper	<0.0011		0.100	0.115		mg/L		115	75 - 125
Lead	<0.00021		0.505	0.524		mg/L		104	75 - 125
Nickel	<0.00042		0.100	0.106		mg/L		106	75 - 125
Selenium	<0.00099		0.100	0.108		mg/L		108	75 - 125
Silver	<0.00039		0.0500	0.0532		mg/L		106	75 - 125
Thallium	<0.00026		0.0500	0.0498		mg/L		100	75 - 125
Vanadium	<0.00063		0.100	0.0986		mg/L		99	75 - 125
Zinc	0.0031	J	0.100	0.110		mg/L		107	75 - 125

Lab Sample ID: 680-230302-1 MSD
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-4A
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0521		mg/L		104	75 - 125	1	20
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125	2	20
Barium	0.015		0.100	0.114		mg/L		99	75 - 125	2	20
Beryllium	<0.00020		0.0500	0.0498		mg/L		100	75 - 125	0	20
Boron	0.022	J	0.200	0.226		mg/L		102	75 - 125	0	20
Cadmium	<0.000078		0.0500	0.0532		mg/L		106	75 - 125	3	20
Calcium	0.46	J	5.00	5.60		mg/L		103	75 - 125	1	20
Chromium	<0.0012		0.100	0.109		mg/L		109	75 - 125	1	20
Cobalt	0.0013	J	0.0500	0.0539		mg/L		105	75 - 125	2	20

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

Lab Sample ID: 680-230302-1 MSD
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-4A
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Copper	<0.0011		0.100	0.113		mg/L		113	75 - 125	2	20
Lead	<0.00021		0.505	0.518		mg/L		103	75 - 125	1	20
Nickel	<0.00042		0.100	0.104		mg/L		104	75 - 125	2	20
Selenium	<0.00099		0.100	0.102		mg/L		102	75 - 125	6	20
Silver	<0.00039		0.0500	0.0531		mg/L		106	75 - 125	0	20
Thallium	<0.00026		0.0500	0.0490		mg/L		98	75 - 125	2	20
Vanadium	<0.00063		0.100	0.0959		mg/L		96	75 - 125	3	20
Zinc	0.0031	J	0.100	0.110		mg/L		107	75 - 125	0	20

Lab Sample ID: MB 680-762798/1-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/10/23 05:56	02/11/23 11:15	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/10/23 05:56	02/11/23 11:15	1
Barium	<0.00089		0.010	0.00089	mg/L		02/10/23 05:56	02/11/23 11:15	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/10/23 05:56	02/11/23 11:15	1
Boron	<0.022		0.080	0.022	mg/L		02/10/23 05:56	02/11/23 11:15	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/10/23 05:56	02/11/23 11:15	1
Calcium	<0.14		0.50	0.14	mg/L		02/10/23 05:56	02/11/23 11:15	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/10/23 05:56	02/11/23 11:15	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/10/23 05:56	02/11/23 11:15	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/10/23 05:56	02/11/23 11:15	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/10/23 05:56	02/11/23 11:15	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/10/23 05:56	02/11/23 11:15	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/10/23 05:56	02/11/23 11:15	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/10/23 05:56	02/11/23 11:15	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/10/23 05:56	02/11/23 11:15	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/10/23 05:56	02/11/23 11:15	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/10/23 05:56	02/11/23 11:15	1

Lab Sample ID: LCS 680-762798/2-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0504		mg/L		101	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.0955		mg/L		95	80 - 120
Beryllium	0.0500	0.0472		mg/L		94	80 - 120
Boron	0.200	0.194		mg/L		97	80 - 120
Cadmium	0.0500	0.0500		mg/L		100	80 - 120
Calcium	5.00	4.93		mg/L		99	80 - 120
Chromium	0.100	0.103		mg/L		103	80 - 120
Cobalt	0.0500	0.0500		mg/L		100	80 - 120
Copper	0.100	0.109		mg/L		109	80 - 120
Lead	0.505	0.489		mg/L		97	80 - 120
Nickel	0.100	0.100		mg/L		100	80 - 120

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

Lab Sample ID: LCS 680-762798/2-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	0.100	0.0998		mg/L		100	80 - 120
Silver	0.0500	0.0517		mg/L		103	80 - 120
Thallium	0.0500	0.0470		mg/L		94	80 - 120
Vanadium	0.100	0.0947		mg/L		95	80 - 120
Zinc	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: 680-230302-21 MS
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-3
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0478		mg/L		96	75 - 125
Arsenic	<0.00086		0.100	0.0974		mg/L		97	75 - 125
Barium	0.012		0.100	0.108		mg/L		95	75 - 125
Beryllium	<0.00020		0.0500	0.0472		mg/L		94	75 - 125
Boron	<0.022		0.200	0.209		mg/L		104	75 - 125
Cadmium	<0.000078		0.0500	0.0480		mg/L		96	75 - 125
Calcium	0.66		5.00	5.37		mg/L		94	75 - 125
Chromium	0.0019	J	0.100	0.104		mg/L		102	75 - 125
Cobalt	0.00026	J	0.0500	0.0499		mg/L		99	75 - 125
Copper	<0.0011		0.100	0.108		mg/L		108	75 - 125
Lead	<0.00021		0.505	0.487		mg/L		97	75 - 125
Nickel	<0.00042		0.100	0.0990		mg/L		99	75 - 125
Selenium	<0.00099		0.100	0.102		mg/L		102	75 - 125
Silver	<0.00039		0.0500	0.0498		mg/L		100	75 - 125
Thallium	<0.00026		0.0500	0.0462		mg/L		92	75 - 125
Vanadium	<0.00063		0.100	0.0915		mg/L		92	75 - 125
Zinc	0.0032	J	0.100	0.103		mg/L		100	75 - 125

Lab Sample ID: 680-230302-21 MSD
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-3
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0507		mg/L		101	75 - 125	6	20
Arsenic	<0.00086		0.100	0.100		mg/L		100	75 - 125	3	20
Barium	0.012		0.100	0.108		mg/L		96	75 - 125	1	20
Beryllium	<0.00020		0.0500	0.0490		mg/L		98	75 - 125	4	20
Boron	<0.022		0.200	0.215		mg/L		108	75 - 125	3	20
Cadmium	<0.000078		0.0500	0.0505		mg/L		101	75 - 125	5	20
Calcium	0.66		5.00	5.55		mg/L		98	75 - 125	3	20
Chromium	0.0019	J	0.100	0.104		mg/L		102	75 - 125	0	20
Cobalt	0.00026	J	0.0500	0.0509		mg/L		101	75 - 125	2	20
Copper	<0.0011		0.100	0.111		mg/L		111	75 - 125	3	20
Lead	<0.00021		0.505	0.501		mg/L		99	75 - 125	3	20
Nickel	<0.00042		0.100	0.102		mg/L		102	75 - 125	3	20
Selenium	<0.00099		0.100	0.104		mg/L		104	75 - 125	2	20
Silver	<0.00039		0.0500	0.0511		mg/L		102	75 - 125	3	20
Thallium	<0.00026		0.0500	0.0475		mg/L		95	75 - 125	3	20

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

Lab Sample ID: 680-230302-21 MSD
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-3
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium	<0.00063		0.100	0.0910		mg/L		91	75 - 125	1	20
Zinc	0.0032	J	0.100	0.106		mg/L		103	75 - 125	3	20

Lab Sample ID: MB 680-765176/1-A
Matrix: Water
Analysis Batch: 765360

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 765176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/27/23 13:43	02/28/23 10:52	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/27/23 13:43	02/28/23 10:52	1
Barium	<0.00089		0.010	0.00089	mg/L		02/27/23 13:43	02/28/23 10:52	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/27/23 13:43	02/28/23 10:52	1
Boron	<0.022		0.080	0.022	mg/L		02/27/23 13:43	02/28/23 10:52	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/27/23 13:43	02/28/23 10:52	1
Calcium	<0.14		0.50	0.14	mg/L		02/27/23 13:43	02/28/23 10:52	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/27/23 13:43	02/28/23 10:52	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/27/23 13:43	02/28/23 10:52	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/27/23 13:43	02/28/23 10:52	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/27/23 13:43	02/28/23 10:52	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/27/23 13:43	02/28/23 10:52	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/27/23 13:43	02/28/23 10:52	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/27/23 13:43	02/28/23 10:52	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/27/23 13:43	02/28/23 10:52	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/27/23 13:43	02/28/23 10:52	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/27/23 13:43	02/28/23 10:52	1

Lab Sample ID: LCS 680-765176/2-A
Matrix: Water
Analysis Batch: 765360

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 765176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0500		mg/L		100	80 - 120
Arsenic	0.100	0.105		mg/L		105	80 - 120
Barium	0.100	0.100		mg/L		100	80 - 120
Beryllium	0.0500	0.0520		mg/L		104	80 - 120
Boron	0.200	0.205		mg/L		103	80 - 120
Cadmium	0.0500	0.0488		mg/L		98	80 - 120
Calcium	5.00	5.15		mg/L		103	80 - 120
Chromium	0.100	0.0957		mg/L		96	80 - 120
Cobalt	0.0500	0.0526		mg/L		105	80 - 120
Copper	0.100	0.106		mg/L		106	80 - 120
Lead	0.505	0.519		mg/L		103	80 - 120
Nickel	0.100	0.103		mg/L		103	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Silver	0.0500	0.0507		mg/L		101	80 - 120
Thallium	0.0500	0.0486		mg/L		97	80 - 120
Vanadium	0.100	0.106		mg/L		106	80 - 120
Zinc	0.100	0.105		mg/L		105	80 - 120

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

Lab Sample ID: LCSD 680-765176/3-A
Matrix: Water
Analysis Batch: 765360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 765176

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony			0.0500	0.0497		mg/L		99	80 - 120	1	20
Arsenic			0.100	0.104		mg/L		104	80 - 120	2	20
Barium			0.100	0.102		mg/L		102	80 - 120	2	20
Beryllium			0.0500	0.0508		mg/L		102	80 - 120	2	20
Boron			0.200	0.204		mg/L		102	80 - 120	1	20
Cadmium			0.0500	0.0494		mg/L		99	80 - 120	1	20
Calcium			5.00	5.18		mg/L		104	80 - 120	1	20
Chromium			0.100	0.0965		mg/L		96	80 - 120	1	20
Cobalt			0.0500	0.0525		mg/L		105	80 - 120	0	20
Copper			0.100	0.106		mg/L		106	80 - 120	0	20
Lead			0.505	0.517		mg/L		102	80 - 120	1	20
Nickel			0.100	0.103		mg/L		103	80 - 120	1	20
Selenium			0.100	0.103		mg/L		103	80 - 120	0	20
Silver			0.0500	0.0493		mg/L		99	80 - 120	3	20
Thallium			0.0500	0.0489		mg/L		98	80 - 120	1	20
Vanadium			0.100	0.106		mg/L		106	80 - 120	0	20
Zinc			0.100	0.105		mg/L		105	80 - 120	0	20

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C)

Lab Sample ID: MB 680-762877/1
Matrix: Water
Analysis Batch: 762877

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			02/10/23 13:00	1

Lab Sample ID: LCS 680-762877/2
Matrix: Water
Analysis Batch: 762877

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			2340	2380		mg/L		102	80 - 120		

Lab Sample ID: LCSD 680-762877/3
Matrix: Water
Analysis Batch: 762877

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2340	2390		mg/L		102	80 - 120	1	25

Lab Sample ID: 680-230302-7 DU
Matrix: Water
Analysis Batch: 762877

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	71			69.5		mg/L				1	5

Method: 2540C-2011 - Total Dissolved Solids (Dried at 180 °C) (Continued)

Lab Sample ID: 680-230302-16 DU
Matrix: Water
Analysis Batch: 762877

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	90			86.0		mg/L				5	5

Lab Sample ID: MB 680-762903/1
Matrix: Water
Analysis Batch: 762903

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			02/10/23 13:46	1

Lab Sample ID: LCS 680-762903/2
Matrix: Water
Analysis Batch: 762903

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			2340	2410		mg/L		103	80 - 120		

Lab Sample ID: LCSD 680-762903/3
Matrix: Water
Analysis Batch: 762903

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids			2340	2370		mg/L		101	80 - 120	2	25

Lab Sample ID: 680-230304-C-12 DU
Matrix: Water
Analysis Batch: 762903

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	440			432		mg/L				1	5

HPLC/IC

Analysis Batch: 762938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-1	MCI-GWA-4A	Total/NA	Water	300.0-1993 R2.1	
680-230302-2	MCI-LF4-GWA-5	Total/NA	Water	300.0-1993 R2.1	
680-230302-3	MCI-GWC-19	Total/NA	Water	300.0-1993 R2.1	
680-230302-12	MCI-GWA-13	Total/NA	Water	300.0-1993 R2.1	
680-230302-13	MCI-GWA-14	Total/NA	Water	300.0-1993 R2.1	
680-230302-14	MCI-GWA-15	Total/NA	Water	300.0-1993 R2.1	
680-230302-15	MCI-GWA-16	Total/NA	Water	300.0-1993 R2.1	
680-230302-16	MCI-GWC-18	Total/NA	Water	300.0-1993 R2.1	
680-230302-17	MCI-LF4-EB-07	Total/NA	Water	300.0-1993 R2.1	
680-230302-18	MCI-GWC-12	Total/NA	Water	300.0-1993 R2.1	
680-230302-19	MCI-LF4-GWC-1	Total/NA	Water	300.0-1993 R2.1	
680-230302-20	MCI-LF4-GWA-2	Total/NA	Water	300.0-1993 R2.1	
680-230302-21	MCI-GWA-3	Total/NA	Water	300.0-1993 R2.1	
680-230302-22	MCI-LF4-FD-03	Total/NA	Water	300.0-1993 R2.1	
MB 680-762938/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-762938/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-762938/5	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230302-1 MS	MCI-GWA-4A	Total/NA	Water	300.0-1993 R2.1	
680-230302-1 MSD	MCI-GWA-4A	Total/NA	Water	300.0-1993 R2.1	
680-230302-19 MS	MCI-LF4-GWC-1	Total/NA	Water	300.0-1993 R2.1	
680-230302-19 MSD	MCI-LF4-GWC-1	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 762939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-4	MCI-LF4-FB-05	Total/NA	Water	300.0-1993 R2.1	
680-230302-5	MCI-GWC-20	Total/NA	Water	300.0-1993 R2.1	
680-230302-6	MCI-LF4-FD-04	Total/NA	Water	300.0-1993 R2.1	
680-230302-7	MCI-GWC-11	Total/NA	Water	300.0-1993 R2.1	
680-230302-8	MCI-LF4-EB-08	Total/NA	Water	300.0-1993 R2.1	
680-230302-9	MCI-GWC-17	Total/NA	Water	300.0-1993 R2.1	
680-230302-10	MCI-LF4-FB-06	Total/NA	Water	300.0-1993 R2.1	
680-230302-11	MCI-GWC-9	Total/NA	Water	300.0-1993 R2.1	
680-230302-23	MCI-GWC-10	Total/NA	Water	300.0-1993 R2.1	
680-230302-24	MCI-GWC-21	Total/NA	Water	300.0-1993 R2.1	
680-230302-25	MCI-GWC-23	Total/NA	Water	300.0-1993 R2.1	
MB 680-762939/33	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-762939/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-762939/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230302-4 MS	MCI-LF4-FB-05	Total/NA	Water	300.0-1993 R2.1	
680-230302-4 MSD	MCI-LF4-FB-05	Total/NA	Water	300.0-1993 R2.1	
680-230302-25 MS	MCI-GWC-23	Total/NA	Water	300.0-1993 R2.1	
680-230302-25 MSD	MCI-GWC-23	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 762797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-1	MCI-GWA-4A	Total Recoverable	Water	3005A	
680-230302-2	MCI-LF4-GWA-5	Total Recoverable	Water	3005A	
680-230302-3	MCI-GWC-19	Total Recoverable	Water	3005A	
680-230302-4	MCI-LF4-FB-05	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 762797 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-5	MCI-GWC-20	Total Recoverable	Water	3005A	
680-230302-6	MCI-LF4-FD-04	Total Recoverable	Water	3005A	
680-230302-7	MCI-GWC-11	Total Recoverable	Water	3005A	
680-230302-8	MCI-LF4-EB-08	Total Recoverable	Water	3005A	
680-230302-9	MCI-GWC-17	Total Recoverable	Water	3005A	
680-230302-10	MCI-LF4-FB-06	Total Recoverable	Water	3005A	
680-230302-11	MCI-GWC-9	Total Recoverable	Water	3005A	
680-230302-12	MCI-GWA-13	Total Recoverable	Water	3005A	
680-230302-13	MCI-GWA-14	Total Recoverable	Water	3005A	
680-230302-14	MCI-GWA-15	Total Recoverable	Water	3005A	
680-230302-15	MCI-GWA-16	Total Recoverable	Water	3005A	
680-230302-16	MCI-GWC-18	Total Recoverable	Water	3005A	
680-230302-17	MCI-LF4-EB-07	Total Recoverable	Water	3005A	
680-230302-19	MCI-LF4-GWC-1	Total Recoverable	Water	3005A	
680-230302-20	MCI-LF4-GWA-2	Total Recoverable	Water	3005A	
MB 680-762797/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-762797/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230302-1 MS	MCI-GWA-4A	Total Recoverable	Water	3005A	
680-230302-1 MSD	MCI-GWA-4A	Total Recoverable	Water	3005A	

Prep Batch: 762798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-21	MCI-GWA-3	Total Recoverable	Water	3005A	
680-230302-22	MCI-LF4-FD-03	Total Recoverable	Water	3005A	
680-230302-23	MCI-GWC-10	Total Recoverable	Water	3005A	
680-230302-24	MCI-GWC-21	Total Recoverable	Water	3005A	
680-230302-25	MCI-GWC-23	Total Recoverable	Water	3005A	
MB 680-762798/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-762798/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230302-21 MS	MCI-GWA-3	Total Recoverable	Water	3005A	
680-230302-21 MSD	MCI-GWA-3	Total Recoverable	Water	3005A	

Analysis Batch: 762951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-1	MCI-GWA-4A	Total Recoverable	Water	6020B	762797
680-230302-2	MCI-LF4-GWA-5	Total Recoverable	Water	6020B	762797
680-230302-3	MCI-GWC-19	Total Recoverable	Water	6020B	762797
680-230302-4	MCI-LF4-FB-05	Total Recoverable	Water	6020B	762797
680-230302-5	MCI-GWC-20	Total Recoverable	Water	6020B	762797
680-230302-6	MCI-LF4-FD-04	Total Recoverable	Water	6020B	762797
680-230302-7	MCI-GWC-11	Total Recoverable	Water	6020B	762797
680-230302-8	MCI-LF4-EB-08	Total Recoverable	Water	6020B	762797
680-230302-9	MCI-GWC-17	Total Recoverable	Water	6020B	762797
680-230302-10	MCI-LF4-FB-06	Total Recoverable	Water	6020B	762797
680-230302-11	MCI-GWC-9	Total Recoverable	Water	6020B	762797
680-230302-12	MCI-GWA-13	Total Recoverable	Water	6020B	762797
680-230302-13	MCI-GWA-14	Total Recoverable	Water	6020B	762797
680-230302-14	MCI-GWA-15	Total Recoverable	Water	6020B	762797
680-230302-15	MCI-GWA-16	Total Recoverable	Water	6020B	762797
680-230302-16	MCI-GWC-18	Total Recoverable	Water	6020B	762797
680-230302-17	MCI-LF4-EB-07	Total Recoverable	Water	6020B	762797

Metals (Continued)

Analysis Batch: 762951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-19	MCI-LF4-GWC-1	Total Recoverable	Water	6020B	762797
680-230302-20	MCI-LF4-GWA-2	Total Recoverable	Water	6020B	762797
680-230302-21	MCI-GWA-3	Total Recoverable	Water	6020B	762798
680-230302-22	MCI-LF4-FD-03	Total Recoverable	Water	6020B	762798
680-230302-23	MCI-GWC-10	Total Recoverable	Water	6020B	762798
680-230302-24	MCI-GWC-21	Total Recoverable	Water	6020B	762798
680-230302-25	MCI-GWC-23	Total Recoverable	Water	6020B	762798
MB 680-762797/1-A	Method Blank	Total Recoverable	Water	6020B	762797
MB 680-762798/1-A	Method Blank	Total Recoverable	Water	6020B	762798
LCS 680-762797/2-A	Lab Control Sample	Total Recoverable	Water	6020B	762797
LCS 680-762798/2-A	Lab Control Sample	Total Recoverable	Water	6020B	762798
680-230302-1 MS	MCI-GWA-4A	Total Recoverable	Water	6020B	762797
680-230302-1 MSD	MCI-GWA-4A	Total Recoverable	Water	6020B	762797
680-230302-21 MS	MCI-GWA-3	Total Recoverable	Water	6020B	762798
680-230302-21 MSD	MCI-GWA-3	Total Recoverable	Water	6020B	762798

Prep Batch: 765176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-18	MCI-GWC-12	Total Recoverable	Water	3005A	
MB 680-765176/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-765176/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 680-765176/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

Analysis Batch: 765360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-18	MCI-GWC-12	Total Recoverable	Water	6020B	765176
MB 680-765176/1-A	Method Blank	Total Recoverable	Water	6020B	765176
LCS 680-765176/2-A	Lab Control Sample	Total Recoverable	Water	6020B	765176
LCSD 680-765176/3-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	765176

General Chemistry

Analysis Batch: 762877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-1	MCI-GWA-4A	Total/NA	Water	2540C-2011	
680-230302-2	MCI-LF4-GWA-5	Total/NA	Water	2540C-2011	
680-230302-3	MCI-GWC-19	Total/NA	Water	2540C-2011	
680-230302-4	MCI-LF4-FB-05	Total/NA	Water	2540C-2011	
680-230302-5	MCI-GWC-20	Total/NA	Water	2540C-2011	
680-230302-6	MCI-LF4-FD-04	Total/NA	Water	2540C-2011	
680-230302-7	MCI-GWC-11	Total/NA	Water	2540C-2011	
680-230302-8	MCI-LF4-EB-08	Total/NA	Water	2540C-2011	
680-230302-9	MCI-GWC-17	Total/NA	Water	2540C-2011	
680-230302-10	MCI-LF4-FB-06	Total/NA	Water	2540C-2011	
680-230302-11	MCI-GWC-9	Total/NA	Water	2540C-2011	
680-230302-12	MCI-GWA-13	Total/NA	Water	2540C-2011	
680-230302-13	MCI-GWA-14	Total/NA	Water	2540C-2011	
680-230302-14	MCI-GWA-15	Total/NA	Water	2540C-2011	
680-230302-15	MCI-GWA-16	Total/NA	Water	2540C-2011	
680-230302-16	MCI-GWC-18	Total/NA	Water	2540C-2011	
680-230302-17	MCI-LF4-EB-07	Total/NA	Water	2540C-2011	

General Chemistry (Continued)

Analysis Batch: 762877 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-18	MCI-GWC-12	Total/NA	Water	2540C-2011	
680-230302-19	MCI-LF4-GWC-1	Total/NA	Water	2540C-2011	
MB 680-762877/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-762877/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-762877/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230302-7 DU	MCI-GWC-11	Total/NA	Water	2540C-2011	
680-230302-16 DU	MCI-GWC-18	Total/NA	Water	2540C-2011	

Analysis Batch: 762903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-20	MCI-LF4-GWA-2	Total/NA	Water	2540C-2011	
680-230302-21	MCI-GWA-3	Total/NA	Water	2540C-2011	
680-230302-22	MCI-LF4-FD-03	Total/NA	Water	2540C-2011	
680-230302-23	MCI-GWC-10	Total/NA	Water	2540C-2011	
680-230302-24	MCI-GWC-21	Total/NA	Water	2540C-2011	
680-230302-25	MCI-GWC-23	Total/NA	Water	2540C-2011	
MB 680-762903/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-762903/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-762903/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230304-C-12 DU	Duplicate	Total/NA	Water	2540C-2011	

Field Service / Mobile Lab

Analysis Batch: 763021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-1	MCI-GWA-4A	Total/NA	Water	Field Sampling	
680-230302-2	MCI-LF4-GWA-5	Total/NA	Water	Field Sampling	
680-230302-3	MCI-GWC-19	Total/NA	Water	Field Sampling	
680-230302-5	MCI-GWC-20	Total/NA	Water	Field Sampling	
680-230302-7	MCI-GWC-11	Total/NA	Water	Field Sampling	
680-230302-9	MCI-GWC-17	Total/NA	Water	Field Sampling	
680-230302-11	MCI-GWC-9	Total/NA	Water	Field Sampling	
680-230302-12	MCI-GWA-13	Total/NA	Water	Field Sampling	
680-230302-13	MCI-GWA-14	Total/NA	Water	Field Sampling	
680-230302-14	MCI-GWA-15	Total/NA	Water	Field Sampling	
680-230302-15	MCI-GWA-16	Total/NA	Water	Field Sampling	
680-230302-16	MCI-GWC-18	Total/NA	Water	Field Sampling	
680-230302-18	MCI-GWC-12	Total/NA	Water	Field Sampling	
680-230302-19	MCI-LF4-GWC-1	Total/NA	Water	Field Sampling	
680-230302-20	MCI-LF4-GWA-2	Total/NA	Water	Field Sampling	
680-230302-21	MCI-GWA-3	Total/NA	Water	Field Sampling	
680-230302-23	MCI-GWC-10	Total/NA	Water	Field Sampling	
680-230302-24	MCI-GWC-21	Total/NA	Water	Field Sampling	
680-230302-25	MCI-GWC-23	Total/NA	Water	Field Sampling	

Lab Chronicle

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

Job ID: 680-230302-1

Client Sample ID: MCI-GWA-4A

Lab Sample ID: 680-230302-1

Date Collected: 02/07/23 11:25

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 10:51	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:26	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 11:25	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-LF4-GWA-5

Lab Sample ID: 680-230302-2

Date Collected: 02/07/23 09:50

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 11:30	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 09:50	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWC-19

Lab Sample ID: 680-230302-3

Date Collected: 02/08/23 10:10

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 11:43	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:42	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/08/23 10:10	T1C	EET SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 680-230302-1

Client Sample ID: MCI-LF4-FB-05

Lab Sample ID: 680-230302-4

Date Collected: 02/08/23 09:30

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 17:25	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:46	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWC-20

Lab Sample ID: 680-230302-5

Date Collected: 02/08/23 11:20

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 18:05	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:50	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/08/23 11:20	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-LF4-FD-04

Lab Sample ID: 680-230302-6

Date Collected: 02/08/23 00:00

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 18:18	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:54	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWC-11

Lab Sample ID: 680-230302-7

Date Collected: 02/08/23 14:35

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 18:31	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:06	BWR	EET SAV
	Instrument ID: ICPMSC									

Lab Chronicle

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

Job ID: 680-230302-1

Client Sample ID: MCI-GWC-11
Date Collected: 02/08/23 14:35
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-7
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	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
Total/NA	Analysis	Field Sampling		1			763021	02/08/23 14:35	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-LF4-EB-08
Date Collected: 02/08/23 14:45
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-8
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	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 18:44	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:10	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWC-17
Date Collected: 02/08/23 14:45
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-9
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	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 18:57	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:15	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/08/23 14:45	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-LF4-FB-06
Date Collected: 02/08/23 14:00
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-10
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	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 19:10	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:19	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 680-230302-1

Client Sample ID: MCI-GWC-9

Lab Sample ID: 680-230302-11

Date Collected: 02/08/23 11:10

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 19:24	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:23	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/08/23 11:10	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWA-13

Lab Sample ID: 680-230302-12

Date Collected: 02/06/23 16:35

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 11:56	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:27	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/06/23 16:35	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWA-14

Lab Sample ID: 680-230302-13

Date Collected: 02/07/23 09:40

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 12:10	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:31	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 09:40	T1C	EET SAV
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 680-230302-1

Client Sample ID: MCI-GWA-15

Date Collected: 02/07/23 10:35
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 12:23	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:35	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 10:35	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWA-16

Date Collected: 02/07/23 11:30
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 12:36	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:39	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 11:30	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWC-18

Date Collected: 02/07/23 16:35
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 12:49	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:43	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 16:35	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-LF4-EB-07

Lab Sample ID: 680-230302-17

Date Collected: 02/07/23 16:50

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 13:02	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:55	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWC-12

Lab Sample ID: 680-230302-18

Date Collected: 02/07/23 16:15

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 13:15	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	765176	02/27/23 13:43	RR	EET SAV
Total Recoverable	Analysis	6020B		1			765360	02/28/23 11:09	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 16:15	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-LF4-GWC-1

Lab Sample ID: 680-230302-19

Date Collected: 02/07/23 15:20

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 14:34	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 20:04	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762877	02/10/23 13:00	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 15:20	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-LF4-GWA-2

Lab Sample ID: 680-230302-20

Date Collected: 02/07/23 14:05

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 15:14	UI	EET SAV
	Instrument ID: CICK									

Lab Chronicle

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

Job ID: 680-230302-1

Client Sample ID: MCI-LF4-GWA-2

Lab Sample ID: 680-230302-20

Date Collected: 02/07/23 14:05
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 20:08	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762903	02/10/23 13:46	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 14:05	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWA-3

Lab Sample ID: 680-230302-21

Date Collected: 02/07/23 12:35
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 15:27	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:02	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762903	02/10/23 13:46	PG	EET SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			763021	02/07/23 12:35	T1C	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-LF4-FD-03

Lab Sample ID: 680-230302-22

Date Collected: 02/07/23 00:00
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762938	02/11/23 15:40	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:14	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762903	02/10/23 13:46	PG	EET SAV
	Instrument ID: NOEQUIP									

Client Sample ID: MCI-GWC-10

Lab Sample ID: 680-230302-23

Date Collected: 02/08/23 09:50
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 19:37	UI	EET SAV
	Instrument ID: CICK									
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:18	BWR	EET SAV
	Instrument ID: ICPMSC									

Lab Chronicle

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

Job ID: 680-230302-1

Client Sample ID: MCI-GWC-10

Date Collected: 02/08/23 09:50
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-23

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	2540C-2011		1	200 mL	200 mL	762903	02/10/23 13:46	PG	EET SAV
Total/NA	Analysis	Field Sampling		1			763021	02/08/23 09:50	T1C	EET SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: MCI-GWC-21

Date Collected: 02/08/23 14:15
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-24

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	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 19:50	UI	EET SAV
	Instrument ID:	CICK								
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:22	BWR	EET SAV
	Instrument ID:	ICPMSC								
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762903	02/10/23 13:46	PG	EET SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Field Sampling		1			763021	02/08/23 14:15	T1C	EET SAV
	Instrument ID:	NOEQUIP								

Client Sample ID: MCI-GWC-23

Date Collected: 02/08/23 12:40
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-25

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	300.0-1993 R2.1		1	5 mL	5 mL	762939	02/11/23 20:29	UI	EET SAV
	Instrument ID:	CICK								
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:26	BWR	EET SAV
	Instrument ID:	ICPMSC								
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	762903	02/10/23 13:46	PG	EET SAV
	Instrument ID:	NOEQUIP								
Total/NA	Analysis	Field Sampling		1			763021	02/08/23 12:40	T1C	EET SAV
	Instrument ID:	NOEQUIP								

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Southern Company
Job ID: 680-230302-1
Project/Site: Plant McIntosh Landfill 4

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-23
Georgia	State	E87052	06-30-23

Method Summary

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

Job ID: 680-230302-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
Field Sampling	Field Sampling	EPA	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: J. Barrs..., T. Johnson ACC	Lab PM: Fuller, David	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 3
Company: GA Power		Analysis Requested		Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			Preservation Codes
City: Atlanta	TAT Requested (days): standard			
State Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027746			
Email: SCS Contacts / ACC Contacts	PO #:			
Project Name: Plant McIntosh Landfill 4	Project #:			
Site: Georgia	SSOW#:			Other:

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)

Task_Code: MCI-CCR-ASSMT-2023S1
Special Instructions/Note: Full APP III + 15 State Metals

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (WG=ground water WS=surface water WQ=quality control)	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		
MCI-GWA-4A	02/07/23	1125	G	WG	N	N	✓	✓	✓	3	pH = 4.84
MCI-LF4-GWA-5	02/07/23	0950	G	WG	N	N	✓	✓	✓	3	pH = 5.17
MCI-GWC-19	02/08/23	1010	G	WG	N	N	✓	✓	✓	3	pH = 5.59
MCI-LF4-FB-05	02/08/23	0930	G	WQ	N	N	✓	✓	✓	3	pH = —
MCI-GWC-20	02/08/23	1120	G	WG	N	N	✓	✓	✓	3	pH = 4.84
MCI-LF4-FD-04	02/08/23	—	G	WG	N	N	✓	✓	✓	3	pH = —
MCI-GWC-11	02/08/23	1435	G	WG	N	N	✓	✓	✓	3	pH = 6.24
MCI-LF4-EB-08	02/08/23	1445	G	WQ	N	N	✓	✓	✓	3	pH = —
MCI-GWC-17	02/08/23	1445	G	WG	N	N	✓	✓	✓	3	pH = 5.31
MCI-LF4-FB-06	02/08/23	1400	G	WQ	N	N	✓	✓	✓	3	pH = —
MCI-GWC-9	02/08/23	1110	G	WG	N	N	✓	✓	✓	3	pH = 5.31

680-230302-01 Chain of Custody

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

Sample Disposal (A fee may be as... retained longer than 1 month)
☐ Return To Client ☑ Disp... ☐ 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: [signature]	Date/Time: 2-9-23 / 0845	Company: ACC	Received by: [signature]	Date/Time: 2-9-23 / 0845	Company: ACC
Relinquished by: [signature]	Date/Time: 2-9-23 / 1001	Company: ACC	Received by: [signature]	Date/Time: 2/9/23 1001	Company: TA
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: 2.7/2.7 1.9/1.9 1.5/1.5 0.7

Ver 8/8/2019

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: D. Bernard / T. Johnson (ACC)	Lab PM: Fuller, David	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 770-594-5948	E-Mail: david.fuller@et.eurofinsus.com		Page: 2 of 3
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)	Lab Project #: 68027746			
Email: SCS Contacts / ACC Contacts	PO #:			
Project Name: Plant McIntosh Landfill 4	Project #:			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Task_Code: MCI-CCR-ASSMT-2023S1

Special Instructions/Note: Full APP III + 15 State Metals

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (WG=ground water WS=surface water WQ=quality control)	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	
			Preservation Code				D	I	D		
MCI-GWA-13	02/06/23	1635	G	WG	N	N	✓	✓	✓	3	pH = 4.75
MCI-GWA-14	02/07/23	0940	G	WG	N	N	✓	✓	✓	3	pH = 5.03
MCI-GWA-15	02/07/23	1035	G	WG	N	N	✓	✓	✓	3	pH = 5.14
MCI-GWA-16	02/07/23	1130	G	WG	N	N	✓	✓	✓	3	pH = 4.88
MCI-GWC-18	02/07/23	1635	G	WG	N	N	✓	✓	–	3	pH = 6.47
MCI-LF4-EB-07	02/07/23	1650	G	WQ	N	N	✓	✓	✓	3	pH = ———
MCI-GWC-12	02/07/23	1615	G	WG	N	N	✓	✓	✓	3	pH = 5.07
MCI-LF4-GWC-1	02/07/23	1520	G	WG	N	N	✓	✓	✓	3	pH = 5.07
MCI-LF4-GWA-2	02/07/23	1405	G	WG	N	N	✓	✓	–	3	pH = 4.73
MCI-GWA-3	02/07/23	1235	G	WG	N	N	✓	✓	✓	3	pH = 4.91
MCI-LF4-FD-03	02/07/23	—	G	WG	N	N	✓	✓	✓	3	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
1		2-9-23 / 0845	ACC		2-9-23 / 0845	ACC
2		2-9-23 / 1001	ACC		2/9/23 1001	
3						

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

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: J. Bonifield, T. Johnson ACC	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No.
Client Contact: SCS Contacts	Phone: 770-594-5448	E-Mail: david.fuller@et.eurofinsus.com		Page: 3 of 3
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	Analysis Requested		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:
City: Atlanta	TAT Requested (days): Standard			
State Zip: GA, 30308				
Phone: 404-506-7116(Tel)	Lab Project #: 68027746			
Email: SCS Contacts / ACC Contacts	PO #:			
Project Name: Plant McIntosh Landfill 4	Project #:			
Site: Georgia	SSOW#:			

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (WG=ground water WS=surface water WQ=quality control)	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	Task_Code: MCI-CCR-ASSMT-2023S1 / Special Instructions/Note: Full APP III + 15 State Metals
			Preservation Code:				D	I	D		
MCI- GWC-10	02/08/23	0950	G	WG	N	N	✓	✓	✓	3	pH = 6.31
MCI- GWC-21	02/08/23	1415	G	WG	N	N	✓	✓	✓	3	pH = 4.85
MCI- GWC-23	02/08/23	1240	G	WG	N	N	✓	✓	✓	3	pH = 5.08
MCI-			G		N	N					pH =
MCI-			G		N	N					pH =
MCI-			G		N	N					pH =
MCI-			G		N	N					pH =
MCI-			G		N	N					pH =
MCI-			G		N	N					pH =
MCI-			G		N	N					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:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by:	2-9-23 / 0845	ACC		2-9-23 / 0845	ACC
Relinquished by:	2-9-23 / 1001	ACC		2/9/23 1001	
Relinquished by:			Received by:		

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230302-1

Login Number: 230302
List Number: 1
Creator: Sims, Robert D

List Source: Eurofins Savannah

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.	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Lauren Hartley
Southern Company
241 Ralph McGill Blvd SE
B10185
Atlanta, Georgia 30308

Generated 2/21/2023 8:42:24 AM

JOB DESCRIPTION

Plant McIntosh Landfill 4

JOB NUMBER

680-230302-2

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
2/21/2023 8:42:24 AM

Authorized for release by
David Fuller, Project Manager
David.Fuller@et.eurofinsus.com
(770)344-8986

Definitions/Glossary

Client: Southern Company
Job ID: 680-230302-2
Project/Site: Plant McIntosh Landfill 4

Qualifiers

Metals

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

General Chemistry

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.

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

Sample Summary

Client: Southern Company
Job ID: 680-230302-2
Project/Site: Plant McIntosh Landfill 4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230302-1	MCI-GWA-4A	Water	02/07/23 11:25	02/09/23 10:01
680-230302-2	MCI-LF4-GWA-5	Water	02/07/23 09:50	02/09/23 10:01
680-230302-3	MCI-GWC-19	Water	02/08/23 10:10	02/09/23 10:01
680-230302-5	MCI-GWC-20	Water	02/08/23 11:20	02/09/23 10:01
680-230302-7	MCI-GWC-11	Water	02/08/23 14:35	02/09/23 10:01
680-230302-9	MCI-GWC-17	Water	02/08/23 14:45	02/09/23 10:01
680-230302-11	MCI-GWC-9	Water	02/08/23 11:10	02/09/23 10:01
680-230302-12	MCI-GWA-13	Water	02/06/23 16:35	02/09/23 10:01
680-230302-13	MCI-GWA-14	Water	02/07/23 09:40	02/09/23 10:01
680-230302-14	MCI-GWA-15	Water	02/07/23 10:35	02/09/23 10:01
680-230302-15	MCI-GWA-16	Water	02/07/23 11:30	02/09/23 10:01
680-230302-16	MCI-GWC-18	Water	02/07/23 16:35	02/09/23 10:01
680-230302-18	MCI-GWC-12	Water	02/07/23 16:15	02/09/23 10:01
680-230302-19	MCI-LF4-GWC-1	Water	02/07/23 15:20	02/09/23 10:01
680-230302-20	MCI-LF4-GWA-2	Water	02/07/23 14:05	02/09/23 10:01
680-230302-21	MCI-GWA-3	Water	02/07/23 12:35	02/09/23 10:01
680-230302-23	MCI-GWC-10	Water	02/08/23 09:50	02/09/23 10:01
680-230302-24	MCI-GWC-21	Water	02/08/23 14:15	02/09/23 10:01
680-230302-25	MCI-GWC-23	Water	02/08/23 12:40	02/09/23 10:01

Case Narrative

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

Job ID: 680-230302-2

Job ID: 680-230302-2

Laboratory: Eurofins Savannah

Narrative

Job Narrative
680-230302-2

Receipt
The samples were received on 2/9/2023 10:01 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.7°C, 1.5°C, 1.9°C and 2.7°C

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

General Chemistry
Method 2320B: The sample duplicate precision for the following sample associated with analytical batch 680-763529 was outside control limits: (680-230302-B-24 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

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

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWA-4A

Lab Sample ID: 680-230302-1

Date Collected: 02/07/23 11:25

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.60**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 18:26	1
Magnesium	**0.46**	**J**	0.50	0.023	mg/L		02/10/23 05:52	02/10/23 18:26	1
Sodium	**2.7**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 18:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 18:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 18:49	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 18:49	1

Client Sample ID: MCI-LF4-GWA-5

Lab Sample ID: 680-230302-2

Date Collected: 02/07/23 09:50

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.76**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 18:38	1
Magnesium	**0.61**		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 18:38	1
Sodium	**2.6**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**8.8**		5.0	5.0	mg/L			02/14/23 19:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**8.8**		5.0	5.0	mg/L			02/14/23 19:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:37	1

Client Sample ID: MCI-GWC-19

Lab Sample ID: 680-230302-3

Date Collected: 02/08/23 10:10

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**1.0**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 18:42	1
Magnesium	**1.5**		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 18:42	1
Sodium	**4.1**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 18:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**21**		5.0	5.0	mg/L			02/15/23 00:36	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**21**		5.0	5.0	mg/L			02/15/23 00:36	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:36	1

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWC-20

Lab Sample ID: 680-230302-5

Date Collected: 02/08/23 11:20

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.81		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 18:50	1
Magnesium	0.76		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 18:50	1
Sodium	4.3		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	5.2		5.0	5.0	mg/L			02/15/23 00:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	5.2		5.0	5.0	mg/L			02/15/23 00:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:19	1

Client Sample ID: MCI-GWC-11

Lab Sample ID: 680-230302-7

Date Collected: 02/08/23 14:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.87		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:06	1
Magnesium	3.7		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:06	1
Sodium	4.2		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	37		5.0	5.0	mg/L			02/15/23 00:27	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	37		5.0	5.0	mg/L			02/15/23 00:27	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:27	1

Client Sample ID: MCI-GWC-17

Lab Sample ID: 680-230302-9

Date Collected: 02/08/23 14:45

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	1.1		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:15	1
Magnesium	0.73		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:15	1
Sodium	2.4		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	6.2		5.0	5.0	mg/L			02/14/23 18:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	6.2		5.0	5.0	mg/L			02/14/23 18:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 18:55	1

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWC-9

Lab Sample ID: 680-230302-11

Date Collected: 02/08/23 11:10

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.99**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:23	1
Magnesium	**1.7**		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:23	1
Sodium	**5.6**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**14**		5.0	5.0	mg/L			02/14/23 19:03	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**14**		5.0	5.0	mg/L			02/14/23 19:03	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:03	1

Client Sample ID: MCI-GWA-13

Lab Sample ID: 680-230302-12

Date Collected: 02/06/23 16:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.66**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:27	1
Magnesium	**0.40**	**J**	0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:27	1
Sodium	**2.4**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:30	1

Client Sample ID: MCI-GWA-14

Lab Sample ID: 680-230302-13

Date Collected: 02/07/23 09:40

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.68**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:31	1
Magnesium	**0.38**	**J**	0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:31	1
Sodium	**3.4**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:23	1

Client Sample ID: MCI-GWA-15

Lab Sample ID: 680-230302-14

Date Collected: 02/07/23 10:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.60**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:35	1
Magnesium	**0.49**	**J**	0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:35	1
Sodium	**2.6**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**7.3**		5.0	5.0	mg/L			02/14/23 19:10	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**7.3**		5.0	5.0	mg/L			02/14/23 19:10	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:10	1

Client Sample ID: MCI-GWA-16

Lab Sample ID: 680-230302-15

Date Collected: 02/07/23 11:30

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.79**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:39	1
Magnesium	**0.52**		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:39	1
Sodium	**2.5**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 19:17	1

Client Sample ID: MCI-GWC-18

Lab Sample ID: 680-230302-16

Date Collected: 02/07/23 16:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**1.1**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:43	1
Magnesium	**5.9**		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:43	1
Sodium	**3.9**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**60**		5.0	5.0	mg/L			02/14/23 20:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**60**		5.0	5.0	mg/L			02/14/23 20:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 20:08	1

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWC-12

Lab Sample ID: 680-230302-18

Date Collected: 02/07/23 16:15
Matrix: Water
Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.67**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 19:59	1
Magnesium	**0.42**	**J**	0.50	0.023	mg/L		02/10/23 05:52	02/10/23 19:59	1
Sodium	**2.5**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 19:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:49	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:49	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:49	1

Client Sample ID: MCI-LF4-GWC-1

Lab Sample ID: 680-230302-19

Date Collected: 02/07/23 15:20
Matrix: Water
Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.86**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 20:04	1
Magnesium	**0.98**		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 20:04	1
Sodium	**5.1**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 20:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**9.0**		5.0	5.0	mg/L			02/15/23 00:43	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**9.0**		5.0	5.0	mg/L			02/15/23 00:43	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:43	1

Client Sample ID: MCI-LF4-GWA-2

Lab Sample ID: 680-230302-20

Date Collected: 02/07/23 14:05
Matrix: Water
Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.98**		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 20:08	1
Magnesium	**0.74**		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 20:08	1
Sodium	**3.4**		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 20:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:55	1

Client Sample ID: MCI-GWA-3

Lab Sample ID: 680-230302-21

Date Collected: 02/07/23 12:35

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.77**		0.50	0.044	mg/L		02/10/23 05:56	02/10/23 22:02	1
Magnesium	**0.39**	**J**	0.50	0.023	mg/L		02/10/23 05:56	02/10/23 22:02	1
Sodium	**2.6**		0.50	0.20	mg/L		02/10/23 05:56	02/10/23 22:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 00:12	1

Client Sample ID: MCI-GWC-10

Lab Sample ID: 680-230302-23

Date Collected: 02/08/23 09:50

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**1.3**		0.50	0.044	mg/L		02/10/23 05:56	02/10/23 22:18	1
Magnesium	**12**		0.50	0.023	mg/L		02/10/23 05:56	02/10/23 22:18	1
Sodium	**5.8**		0.50	0.20	mg/L		02/10/23 05:56	02/10/23 22:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**100**		5.0	5.0	mg/L			02/15/23 01:05	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**100**		5.0	5.0	mg/L			02/15/23 01:05	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 01:05	1

Client Sample ID: MCI-GWC-21

Lab Sample ID: 680-230302-24

Date Collected: 02/08/23 14:15

Matrix: Water

Date Received: 02/09/23 10:01

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**0.89**		0.50	0.044	mg/L		02/10/23 05:56	02/10/23 22:22	1
Magnesium	**0.77**		0.50	0.023	mg/L		02/10/23 05:56	02/10/23 22:22	1
Sodium	**4.2**		0.50	0.20	mg/L		02/10/23 05:56	02/10/23 22:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	**8.9**		5.0	5.0	mg/L			02/15/23 01:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	**8.9**		5.0	5.0	mg/L			02/15/23 01:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/15/23 01:33	1

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWC-23

Date Collected: 02/08/23 12:40
Date Received: 02/09/23 10:01

Lab Sample ID: 680-230302-25

Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	0.75		0.50	0.044	mg/L		02/10/23 05:56	02/10/23 22:26	1
Magnesium	0.62		0.50	0.023	mg/L		02/10/23 05:56	02/10/23 22:26	1
Sodium	4.2		0.50	0.20	mg/L		02/10/23 05:56	02/10/23 22:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 20:24	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 20:24	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/14/23 20:24	1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-762797/1-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.044		0.50	0.044	mg/L		02/10/23 05:52	02/10/23 18:18	1
Magnesium	<0.023		0.50	0.023	mg/L		02/10/23 05:52	02/10/23 18:18	1
Sodium	<0.20		0.50	0.20	mg/L		02/10/23 05:52	02/10/23 18:18	1

Lab Sample ID: LCS 680-762797/2-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	6.97	6.82		mg/L		98	80 - 120
Magnesium	5.01	5.00		mg/L		100	80 - 120
Sodium	5.05	4.94		mg/L		98	80 - 120

Lab Sample ID: 680-230302-1 MS
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-4A
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	0.60		6.97	7.75		mg/L		103	75 - 125
Magnesium	0.46	J	5.01	5.73		mg/L		105	75 - 125
Sodium	2.7		5.05	7.86		mg/L		102	75 - 125

Lab Sample ID: 680-230302-1 MSD
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-4A
Prep Type: Total Recoverable
Prep Batch: 762797

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	0.60		6.97	7.64		mg/L		101	75 - 125	1	20
Magnesium	0.46	J	5.01	5.67		mg/L		104	75 - 125	1	20
Sodium	2.7		5.05	7.80		mg/L		101	75 - 125	1	20

Lab Sample ID: MB 680-762798/1-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	<0.044		0.50	0.044	mg/L		02/10/23 05:56	02/11/23 11:15	1
Magnesium	<0.023		0.50	0.023	mg/L		02/10/23 05:56	02/11/23 11:15	1
Sodium	<0.20		0.50	0.20	mg/L		02/10/23 05:56	02/11/23 11:15	1

Lab Sample ID: LCS 680-762798/2-A
Matrix: Water
Analysis Batch: 762951

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	6.97	6.80		mg/L		98	80 - 120
Magnesium	5.01	4.96		mg/L		99	80 - 120
Sodium	5.05	4.95		mg/L		98	80 - 120

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

Lab Sample ID: 680-230302-21 MS
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-3
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Potassium	0.77		6.97	7.48		mg/L		96	75 - 125		
Magnesium	0.39	J	5.01	5.31		mg/L		98	75 - 125		
Sodium	2.6		5.05	7.41		mg/L		95	75 - 125		

Lab Sample ID: 680-230302-21 MSD
Matrix: Water
Analysis Batch: 762951

Client Sample ID: MCI-GWA-3
Prep Type: Total Recoverable
Prep Batch: 762798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	0.77		6.97	7.55		mg/L		97	75 - 125	1	20
Magnesium	0.39	J	5.01	5.34		mg/L		99	75 - 125	0	20
Sodium	2.6		5.05	7.53		mg/L		98	75 - 125	1	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 680-763528/4
Matrix: Water
Analysis Batch: 763528

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/14/23 17:57	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/14/23 17:57	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/14/23 17:57	1

Lab Sample ID: LCS 680-763528/6
Matrix: Water
Analysis Batch: 763528

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	249		mg/L		100	90 - 112		

Lab Sample ID: LCSD 680-763528/31
Matrix: Water
Analysis Batch: 763528

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	254		mg/L		101	90 - 112	2	30

Lab Sample ID: 680-230302-16 DU
Matrix: Water
Analysis Batch: 763528

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	60			57.1		mg/L				6	30
Bicarbonate Alkalinity as CaCO3	60			57.1		mg/L				6	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: MB 680-763529/4
Matrix: Water
Analysis Batch: 763529

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/14/23 23:21	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/14/23 23:21	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/14/23 23:21	1

Lab Sample ID: LCS 680-763529/6
Matrix: Water
Analysis Batch: 763529

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3			250	248		mg/L		99	90 - 112		

Lab Sample ID: LCSD 680-763529/31
Matrix: Water
Analysis Batch: 763529

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3			250	254		mg/L		101	90 - 112	2	30

Lab Sample ID: 680-230302-24 DU
Matrix: Water
Analysis Batch: 763529

Client Sample ID: MCI-GWC-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Alkalinity as CaCO3	8.9			5.61	F5	mg/L				46	30
Bicarbonate Alkalinity as CaCO3	8.9			5.61	F5	mg/L				46	30
Carbonate Alkalinity as CaCO3	<5.0			<5.0		mg/L				NC	30

QC Association Summary

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

Job ID: 680-230302-2

Metals

Prep Batch: 762797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-1	MCI-GWA-4A	Total Recoverable	Water	3005A	
680-230302-2	MCI-LF4-GWA-5	Total Recoverable	Water	3005A	
680-230302-3	MCI-GWC-19	Total Recoverable	Water	3005A	
680-230302-5	MCI-GWC-20	Total Recoverable	Water	3005A	
680-230302-7	MCI-GWC-11	Total Recoverable	Water	3005A	
680-230302-9	MCI-GWC-17	Total Recoverable	Water	3005A	
680-230302-11	MCI-GWC-9	Total Recoverable	Water	3005A	
680-230302-12	MCI-GWA-13	Total Recoverable	Water	3005A	
680-230302-13	MCI-GWA-14	Total Recoverable	Water	3005A	
680-230302-14	MCI-GWA-15	Total Recoverable	Water	3005A	
680-230302-15	MCI-GWA-16	Total Recoverable	Water	3005A	
680-230302-16	MCI-GWC-18	Total Recoverable	Water	3005A	
680-230302-18	MCI-GWC-12	Total Recoverable	Water	3005A	
680-230302-19	MCI-LF4-GWC-1	Total Recoverable	Water	3005A	
680-230302-20	MCI-LF4-GWA-2	Total Recoverable	Water	3005A	
MB 680-762797/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-762797/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230302-1 MS	MCI-GWA-4A	Total Recoverable	Water	3005A	
680-230302-1 MSD	MCI-GWA-4A	Total Recoverable	Water	3005A	

Prep Batch: 762798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-21	MCI-GWA-3	Total Recoverable	Water	3005A	
680-230302-23	MCI-GWC-10	Total Recoverable	Water	3005A	
680-230302-24	MCI-GWC-21	Total Recoverable	Water	3005A	
680-230302-25	MCI-GWC-23	Total Recoverable	Water	3005A	
MB 680-762798/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-762798/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230302-21 MS	MCI-GWA-3	Total Recoverable	Water	3005A	
680-230302-21 MSD	MCI-GWA-3	Total Recoverable	Water	3005A	

Analysis Batch: 762951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-1	MCI-GWA-4A	Total Recoverable	Water	6020B	762797
680-230302-2	MCI-LF4-GWA-5	Total Recoverable	Water	6020B	762797
680-230302-3	MCI-GWC-19	Total Recoverable	Water	6020B	762797
680-230302-5	MCI-GWC-20	Total Recoverable	Water	6020B	762797
680-230302-7	MCI-GWC-11	Total Recoverable	Water	6020B	762797
680-230302-9	MCI-GWC-17	Total Recoverable	Water	6020B	762797
680-230302-11	MCI-GWC-9	Total Recoverable	Water	6020B	762797
680-230302-12	MCI-GWA-13	Total Recoverable	Water	6020B	762797
680-230302-13	MCI-GWA-14	Total Recoverable	Water	6020B	762797
680-230302-14	MCI-GWA-15	Total Recoverable	Water	6020B	762797
680-230302-15	MCI-GWA-16	Total Recoverable	Water	6020B	762797
680-230302-16	MCI-GWC-18	Total Recoverable	Water	6020B	762797
680-230302-18	MCI-GWC-12	Total Recoverable	Water	6020B	762797
680-230302-19	MCI-LF4-GWC-1	Total Recoverable	Water	6020B	762797
680-230302-20	MCI-LF4-GWA-2	Total Recoverable	Water	6020B	762797
680-230302-21	MCI-GWA-3	Total Recoverable	Water	6020B	762798
680-230302-23	MCI-GWC-10	Total Recoverable	Water	6020B	762798
680-230302-24	MCI-GWC-21	Total Recoverable	Water	6020B	762798

Metals (Continued)

Analysis Batch: 762951 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-25	MCI-GWC-23	Total Recoverable	Water	6020B	762798
MB 680-762797/1-A	Method Blank	Total Recoverable	Water	6020B	762797
MB 680-762798/1-A	Method Blank	Total Recoverable	Water	6020B	762798
LCS 680-762797/2-A	Lab Control Sample	Total Recoverable	Water	6020B	762797
LCS 680-762798/2-A	Lab Control Sample	Total Recoverable	Water	6020B	762798
680-230302-1 MS	MCI-GWA-4A	Total Recoverable	Water	6020B	762797
680-230302-1 MSD	MCI-GWA-4A	Total Recoverable	Water	6020B	762797
680-230302-21 MS	MCI-GWA-3	Total Recoverable	Water	6020B	762798
680-230302-21 MSD	MCI-GWA-3	Total Recoverable	Water	6020B	762798

General Chemistry

Analysis Batch: 763528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-1	MCI-GWA-4A	Total/NA	Water	2320B-2011	
680-230302-2	MCI-LF4-GWA-5	Total/NA	Water	2320B-2011	
680-230302-9	MCI-GWC-17	Total/NA	Water	2320B-2011	
680-230302-11	MCI-GWC-9	Total/NA	Water	2320B-2011	
680-230302-12	MCI-GWA-13	Total/NA	Water	2320B-2011	
680-230302-13	MCI-GWA-14	Total/NA	Water	2320B-2011	
680-230302-14	MCI-GWA-15	Total/NA	Water	2320B-2011	
680-230302-15	MCI-GWA-16	Total/NA	Water	2320B-2011	
680-230302-16	MCI-GWC-18	Total/NA	Water	2320B-2011	
680-230302-25	MCI-GWC-23	Total/NA	Water	2320B-2011	
MB 680-763528/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-763528/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-763528/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230302-16 DU	MCI-GWC-18	Total/NA	Water	2320B-2011	

Analysis Batch: 763529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230302-3	MCI-GWC-19	Total/NA	Water	2320B-2011	
680-230302-5	MCI-GWC-20	Total/NA	Water	2320B-2011	
680-230302-7	MCI-GWC-11	Total/NA	Water	2320B-2011	
680-230302-18	MCI-GWC-12	Total/NA	Water	2320B-2011	
680-230302-19	MCI-LF4-GWC-1	Total/NA	Water	2320B-2011	
680-230302-20	MCI-LF4-GWA-2	Total/NA	Water	2320B-2011	
680-230302-21	MCI-GWA-3	Total/NA	Water	2320B-2011	
680-230302-23	MCI-GWC-10	Total/NA	Water	2320B-2011	
680-230302-24	MCI-GWC-21	Total/NA	Water	2320B-2011	
MB 680-763529/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-763529/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-763529/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230302-24 DU	MCI-GWC-21	Total/NA	Water	2320B-2011	

Lab Chronicle

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWA-4A
Lab Sample ID: 680-230302-1

Date Collected: 02/07/23 11:25
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:26	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 18:49	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-LF4-GWA-5
Lab Sample ID: 680-230302-2

Date Collected: 02/07/23 09:50
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:38	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 19:37	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWC-19
Lab Sample ID: 680-230302-3

Date Collected: 02/08/23 10:10
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:42	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 00:36	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWC-20
Lab Sample ID: 680-230302-5

Date Collected: 02/08/23 11:20
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 18:50	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 00:19	PG	EET SAV
	Instrument ID: MANTECH 2									

Lab Chronicle

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWC-11

Lab Sample ID: 680-230302-7

Date Collected: 02/08/23 14:35
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:06	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 00:27	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWC-17

Lab Sample ID: 680-230302-9

Date Collected: 02/08/23 14:45
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:15	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 18:55	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWC-9

Lab Sample ID: 680-230302-11

Date Collected: 02/08/23 11:10
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:23	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 19:03	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWA-13

Lab Sample ID: 680-230302-12

Date Collected: 02/06/23 16:35
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:27	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 19:30	PG	EET SAV
	Instrument ID: MANTECH 2									

Lab Chronicle

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWA-14

Lab Sample ID: 680-230302-13

Date Collected: 02/07/23 09:40
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:31	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 19:23	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWA-15

Lab Sample ID: 680-230302-14

Date Collected: 02/07/23 10:35
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:35	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 19:10	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWA-16

Lab Sample ID: 680-230302-15

Date Collected: 02/07/23 11:30
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:39	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 19:17	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWC-18

Lab Sample ID: 680-230302-16

Date Collected: 02/07/23 16:35
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:43	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 20:08	PG	EET SAV
	Instrument ID: MANTECH 2									

Lab Chronicle

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWC-12

Lab Sample ID: 680-230302-18

Date Collected: 02/07/23 16:15
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 19:59	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 00:49	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-LF4-GWC-1

Lab Sample ID: 680-230302-19

Date Collected: 02/07/23 15:20
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 20:04	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 00:43	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-LF4-GWA-2

Lab Sample ID: 680-230302-20

Date Collected: 02/07/23 14:05
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762797	02/10/23 05:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 20:08	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 00:55	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWA-3

Lab Sample ID: 680-230302-21

Date Collected: 02/07/23 12:35
Matrix: Water
Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:02	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 00:12	PG	EET SAV
	Instrument ID: MANTECH 2									

Lab Chronicle

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

Job ID: 680-230302-2

Client Sample ID: MCI-GWC-10

Lab Sample ID: 680-230302-23

Date Collected: 02/08/23 09:50

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:18	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 01:05	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWC-21

Lab Sample ID: 680-230302-24

Date Collected: 02/08/23 14:15

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:22	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763529	02/15/23 01:33	PG	EET SAV
	Instrument ID: MANTECH 2									

Client Sample ID: MCI-GWC-23

Lab Sample ID: 680-230302-25

Date Collected: 02/08/23 12:40

Matrix: Water

Date Received: 02/09/23 10:01

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	762798	02/10/23 05:56	RR	EET SAV
Total Recoverable	Analysis	6020B		1			762951	02/10/23 22:26	BWR	EET SAV
	Instrument ID: ICPMSC									
Total/NA	Analysis	2320B-2011		1			763528	02/14/23 20:24	PG	EET SAV
	Instrument ID: MANTECH 2									

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

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

Job ID: 680-230302-2

Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	41450	06-30-23
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas DEQ	State	19-015-0	02-01-23 *
California	State	2939	06-30-22 *
Connecticut	State	PH-0161	03-31-23
Florida	NELAP	E87052	06-30-23
Georgia	State	E87052	06-30-23
Georgia (DW)	State	803	06-30-23
Guam	State	19-007R	04-17-23
Hawaii	State	<cert No.>	06-30-23
Illinois	NELAP	200022	11-30-23
Indiana	State	C-GA-02	06-30-23
Iowa	State	353	07-01-23
Kentucky (UST)	State	NA	06-30-23
Louisiana (All)	NELAP	30690	06-30-23
Louisiana (DW)	State	LA009	12-31-23
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-23
Massachusetts	State	M-GA006	06-30-23
Michigan	State	9925	06-30-23
Mississippi	State	<cert No.>	06-30-23
Nebraska	State	NE-OS-7-04	06-30-23
New Jersey	NELAP	GA769	06-30-23
New Mexico	State	GA00006	06-30-23
New York	NELAP	10842	04-01-23
North Carolina (DW)	State	13701	07-31-23
North Carolina (WW/SW)	State	269	12-31-23
Pennsylvania	NELAP	68-00474	06-30-23
Puerto Rico	State	GA00006	01-01-24
South Carolina	State	98001	06-30-23
Tennessee	State	TN02961	06-30-23
Texas	NELAP	T1047004185-19-14	11-30-23
Texas	TCEQ Water Supply	T104704185	06-30-23
USDA	US Federal Programs	P330-18-00313	09-03-24
Virginia	NELAP	460161	06-14-23
Wisconsin	State	999819810	08-31-23

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

Method Summary

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

Job ID: 680-230302-2

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET SAV
2320B-2011	Alkalinity, Total	SM	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

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:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: J. Berisford, T. Johnson ACC	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No.
Client Contact: SCS Contacts	Phone: 770-594-5618	E-Mail: david.fuller@et.eurofinsus.com		Page: 1 of 2
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)	Lab Project #: 68027732			
Email: SCS Contacts / ACC Contacts	PO #:			
Project Name: Plant McIntosh Landfill 4	Project #:			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Task_Code: MCI-CCR-ASSMT-2023S1

Special Instructions/Note: ALK + 3 Cations (Report Separately)

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (WG=ground water WS=surface water WQ=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Cations: Mg Na,K	Total, Carbonate Bicarbonate Alkalinity	Total Number of containers
			Preservation Code:				D	I	
MCI- GwA-13	02/06/23	1635	G	WG	N	N	✓	✓	2
MCI- GwA-14	02/07/23	0940	G	WG	N	N	✓	✓	2
MCI- GwA-15	02/07/23	1035	G	WG	N	N	✓	✓	2
MCI- GwA-16	02/07/23	1130	G	WG	N	N	✓	✓	2
MCI- GwC-18	02/07/23	1635	G	WG	N	N	✓	✓	2
MCI- GwC-12	02/07/23	1615	G	WG	N	N	✓	✓	2
MCI- LF4- GwC-1	02/07/23	1520	G	WG	N	N	✓	✓	2
MCI- LF4- GwA-2	02/07/23	1405	G	WG	N	N	✓	✓	2
MCI- GwA-3	02/07/23	1235	G	WG	N	N	✓	✓	2
MCI- GwA-4A	02/07/23	1125	G	WG	N	N	✓	✓	2
MCI- LF4- GwA-5	02/07/23	0950	G	WG	N	N	✓	✓	2

680-230302-02 Chain of Custody

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

Sample Disposal (A fee may be ☐ Return To Client ☑ ***are retained longer than 1 month)*** ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Additional Cations magnesium, sodium, potassium

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	2-9-23 / 0845	ACC	Received by:	2-9-23 / 0845	ACC
Relinquished by:	2-9-23 / 1001	ACC	Received by:	2/9/23 1001	
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

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

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: J. Barnhill / T. Johnson ACC	Lab PM: Fuller, David	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: david.fuller@et.eurofinsus.com		Page: 2 of 2
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)	Lab Project #: 68027732			
Email: SCS Contacts / ACC Contacts	PO #:			
Project Name: Plant McIntosh Landfill 4	Project #:			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Task_Code: MCI-CCR-ASSMT-2023S1

Special Instructions/Note: ALK + 3 Cations (Report Separately)

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Cations: Mg Na K	Total Carbonate Bicarbonate Alkalinity	Total Number of containers
			Preservation Code				D	I	
MCI- GWC-19	02/08/23	1010	G	WG	N	N	✓	✓	2
MCI- GWC-20	02/08/23	1120	G	WG	N	N	✓	✓	2
MCI- GWC-11	02/08/23	1435	G	WG	N	N	✓	✓	2
MCI- GWC-17	02/08/23	1445	G	WG	N	N	✓	✓	2
MCI- GWC-9	02/08/23	1110	G	WG	N	N	✓	✓	2
MCI- GWC-10	02/08/23	0950	G	WG	N	N	✓	✓	2
MCI- GWC-21	02/08/23	1415	G	WG	N	N	✓	✓	2
MCI- GWC-23	02/08/23	1240	G	WG	N	N	✓	✓	2
MCI-			G	WG	N	N			
MCI-			G	WG	N	N			
MCI-			G	WG	N	N			

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: Additional Cations magnesium, sodium, potassium

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature] ACC	2-9-23 / 0845	ACC	[signature]	2-9-23 / 0845	ACC
2	[signature]	2-9-23 / 1001	ACC	[signature]	2/9/23 1001	
3						

Custody Seals Intact: Δ Yes Δ No

Custody Seal No:

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230302-2

Login Number: 230302

List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

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.	N/A	
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").	N/A	
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 2023

Georgia Power Company – McIntosh Landfill 4

Quality Control Review of Analytical Data – February 2023

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins Environment Testing America, Savannah for groundwater samples collected at McIntosh Landfill 4 (LF4) between February 6, 2023 and February 8, 2023. 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. SDG 680-230302-1 was revised to correct errant metals data after reanalysis of the sample from MCI-GWC-12.

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 permit-required state metals. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), Determination of Inorganic Anions (USEPA Method 300.0), and Solids in Water (Standard Methods 2540C).

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[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. If 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, except for chromium and nickel from MCI-GWC-12 (680-230302-18) as described in the qualifications section below.

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

- Samples MCI-GWC-12 (680-230302-18) and MCI-LF4-FD-03 (680-230302-22) were qualified as estimated (J) for chromium and nickel as the relative percent differences (RPDs) exceeded QC criteria (26.1% and 37.6%, respectively, above the limit of 20).

Atlantic Coast Consulting, Inc. reviewed the laboratory data from McIntosh LF4 sampled between February 6, 2023 and February 8, 2023 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]US EPA, 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]US EPA, 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 2023

						Analyses		
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B)	Anions (300.0)	TDS (SM 2540C)
230302-1	MCI-GWA-4A	02/07/23	680-230302-1	WG		X	X	X
230302-1	MCI-LF4-GWA-5	02/07/23	680-230302-2	WG		X	X	X
230302-1	MCI-GWC-19	02/08/23	680-230302-3	WG		X	X	X
230302-1	MCI-LF4-FB-05	02/08/23	680-230302-4	WQ	FB	X	X	X
230302-1	MCI-GWC-20	02/08/23	680-230302-5	WG		X	X	X
230302-1	MCI-LF4-FD-04	02/08/23	680-230302-6	WG	FD (MCI-GWC-20)	X	X	X
230302-1	MCI-GWC-11	02/08/23	680-230302-7	WG		X	X	X
230302-1	MCI-LF4-EB-08	02/08/23	680-230302-8	WQ	EB	X	X	X
230302-1	MCI-GWC-17	02/08/23	680-230302-9	WG		X	X	X
230302-1	MCI-LF4-FB-06	02/08/23	680-230302-10	WQ	FB	X	X	X
230302-1	MCI-GWC-9	02/08/23	680-230302-11	WG		X	X	X
230302-1	MCI-GWA-13	02/06/23	680-230302-12	WG		X	X	X
230302-1	MCI-GWA-14	02/07/23	680-230302-13	WG		X	X	X
230302-1	MCI-GWA-15	02/07/23	680-230302-14	WG		X	X	X
230302-1	MCI-GWA-16	02/07/23	680-230302-15	WG		X	X	X
230302-1	MCI-GWC-18	02/07/23	680-230302-16	WG		X	X	X
230302-1	MCI-LF4-EB-07	02/07/23	680-230302-17	WQ	EB	X	X	X
230302-1	MCI-GWC-12	02/07/23	680-230302-18	WG		X	X	X
230302-1	MCI-LF4-GWC-1	02/07/23	680-230302-19	WG		X	X	X
230302-1	MCI-LF4-GWA-2	02/07/23	680-230302-20	WG		X	X	X
230302-1	MCI-GWA-3	02/07/23	680-230302-21	WG		X	X	X
230302-1	MCI-LF4-FD-03	02/07/23	680-230302-22	WG	FD (MCI-GWC-12)	X	X	X
230302-1	MCI-GWC-10	02/08/23	680-230302-23	WG		X	X	X
230302-1	MCI-GWC-21	02/08/23	680-230302-24	WG		X	X	X
230302-1	MCI-GWC-23	02/08/23	680-230302-25	WG		X	X	X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
WG – Groundwater
WQ – Water Quality Control

TABLE 2

Georgia Power Company – McIntosh LF4

Qualifier Summary Table – February 2023

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
230302-1	MCI-GWC-12	Chromium			J	RPD exceeds field goal
230302-1	MCI-LF4-FD-03	Chromium			J	RPD exceeds field goal
230302-1	MCI-GWC-12	Nickel			J	RPD exceeds field goal
230302-1	MCI-LF4-FD-03	Nickel			J	RPD exceeds field goal

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

Qualifiers:
J – Estimated Result

LEVEL 2A LABORATORY DATA VALIDATIONS

McIntosh Landfill No. 4

Major Ions Event

February 2023

Georgia Power Company – McIntosh Landfill 4

Quality Control Review of Analytical Data – February 2023

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins Environment Testing America, Savannah for groundwater samples collected at McIntosh Landfill 4 (LF4) between February 6, 2023 and February 8, 2023. 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.

The samples were analyzed for major ion constituents. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B) and Alkalinity in Water (Standard Methods 2320B).

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[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 (laboratory blanks). Sample receipt conditions, holding times, and chains of custody were reviewed. If 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, except for alkalinity on MCI-GWC-21 (680-230302-24) as described in the qualifications section below.

Field Precision: Field goals for precision were not applicable to this sampling event.

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

- Sample MCI-GWC-21 (680-230302-24) was qualified as estimated (J) for alkalinity as the laboratory relative percent difference (RPD) exceeded QC criteria (46%, above the limit of 30).

Atlantic Coast Consulting, Inc. reviewed the laboratory data from McIntosh LF4 sampled between February 6, 2023 and February 8, 2023 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]US EPA, 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]US EPA, 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 2023

						Analyses	
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B)	Alkalinity (SM 2320B)
230302-2	MCI-GWA-4A	02/07/23	680-230302-1	WG		X	X
230302-2	MCI-LF4-GWA-5	02/07/23	680-230302-2	WG		X	X
230302-2	MCI-GWC-19	02/08/23	680-230302-3	WG		X	X
230302-2	MCI-GWC-20	02/08/23	680-230302-5	WG		X	X
230302-2	MCI-GWC-11	02/08/23	680-230302-7	WG		X	X
230302-2	MCI-GWC-17	02/08/23	680-230302-9	WG		X	X
230302-2	MCI-GWC-9	02/08/23	680-230302-11	WG		X	X
230302-2	MCI-GWA-13	02/06/23	680-230302-12	WG		X	X
230302-2	MCI-GWA-14	02/07/23	680-230302-13	WG		X	X
230302-2	MCI-GWA-15	02/07/23	680-230302-14	WG		X	X
230302-2	MCI-GWA-16	02/07/23	680-230302-15	WG		X	X
230302-2	MCI-GWC-18	02/07/23	680-230302-16	WG		X	X
230302-2	MCI-GWC-12	02/07/23	680-230302-18	WG		X	X
230302-2	MCI-LF4-GWC-1	02/07/23	680-230302-19	WG		X	X
230302-2	MCI-LF4-GWA-2	02/07/23	680-230302-20	WG		X	X
230302-2	MCI-GWA-3	02/07/23	680-230302-21	WG		X	X
230302-2	MCI-GWC-10	02/08/23	680-230302-23	WG		X	X
230302-2	MCI-GWC-21	02/08/23	680-230302-24	WG		X	X
230302-2	MCI-GWC-23	02/08/23	680-230302-25	WG		X	X

Abbreviations:
QC – Quality Control
SDG – Sample Delivery Group
WG – Groundwater

TABLE 2

Georgia Power Company – McIntosh LF4

Qualifier Summary Table – February 2023

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
230302-2	MCI-GWC-21	Alkalinity			J	RPD exceeds lab goal

Abbreviations:
MDC – Minimum Detectable Concentration
MDL – Method Detection Limit
RL – Reporting Limit
RPD – Relative Percent Difference
SDG – Sample Delivery Group

Qualifiers:
J – Estimated Result

Low-Flow Test Report:

Test Date / Time: 2/7/2023 2:50:13 PM
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: 14.87 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 5.875 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 2.76 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 1520

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	+/- 100	+/- 5	
2/7/2023 2:50 PM	00:00	5.16 pH	21.45 °C	41.56 µS/cm	4.77 mg/L	20.10 NTU	147.6 mV	14.87 ft	175.00 ml/min
2/7/2023 2:55 PM	05:00	5.15 pH	20.10 °C	42.94 µS/cm	4.57 mg/L	17.90 NTU	139.7 mV	15.10 ft	175.00 ml/min
2/7/2023 3:00 PM	10:00	5.14 pH	19.88 °C	42.59 µS/cm	4.29 mg/L	9.17 NTU	135.8 mV	15.10 ft	175.00 ml/min
2/7/2023 3:05 PM	15:00	5.12 pH	19.85 °C	42.08 µS/cm	4.04 mg/L	6.62 NTU	132.0 mV	15.10 ft	200.00 ml/min
2/7/2023 3:10 PM	20:00	5.11 pH	19.85 °C	41.69 µS/cm	3.85 mg/L	5.49 NTU	129.0 mV	15.10 ft	200.00 ml/min
2/7/2023 3:15 PM	25:00	5.07 pH	19.84 °C	41.22 µS/cm	3.78 mg/L	5.27 NTU	129.4 mV	15.10 ft	250.00 ml/min
2/7/2023 3:20 PM	30:00	5.07 pH	19.83 °C	41.04 µS/cm	3.62 mg/L	4.74 NTU	126.2 mV	15.10 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/7/2023 1:15:24 PM
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: 17.18 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 1.44 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 1405

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	+/- 100	+/- 5	
2/7/2023 1:15 PM	00:00	4.75 pH	20.68 °C	32.19 µS/cm	5.27 mg/L	37.90 NTU	159.4 mV	17.18 ft	150.00 ml/min
2/7/2023 1:20 PM	05:00	4.73 pH	20.22 °C	33.55 µS/cm	5.34 mg/L	32.80 NTU	152.5 mV	17.30 ft	150.00 ml/min
2/7/2023 1:25 PM	10:00	4.72 pH	20.31 °C	33.67 µS/cm	5.17 mg/L	18.70 NTU	147.7 mV	17.30 ft	150.00 ml/min
2/7/2023 1:30 PM	15:00	4.72 pH	20.56 °C	33.89 µS/cm	5.00 mg/L	12.40 NTU	145.1 mV	17.30 ft	150.00 ml/min
2/7/2023 1:35 PM	20:00	4.72 pH	20.70 °C	34.00 µS/cm	4.90 mg/L	8.76 NTU	158.4 mV	17.30 ft	150.00 ml/min
2/7/2023 1:40 PM	25:00	4.73 pH	20.71 °C	34.10 µS/cm	4.88 mg/L	7.68 NTU	157.0 mV	17.30 ft	150.00 ml/min
2/7/2023 1:45 PM	30:00	4.73 pH	20.73 °C	33.71 µS/cm	4.83 mg/L	6.58 NTU	140.2 mV	17.30 ft	150.00 ml/min
2/7/2023 1:50 PM	35:00	4.73 pH	20.57 °C	33.93 µS/cm	5.07 mg/L	7.15 NTU	139.2 mV	17.30 ft	150.00 ml/min
2/7/2023 1:55 PM	40:00	4.73 pH	20.50 °C	34.41 µS/cm	4.93 mg/L	5.51 NTU	137.9 mV	17.30 ft	150.00 ml/min
2/7/2023 2:00 PM	45:00	4.74 pH	20.48 °C	33.84 µS/cm	4.90 mg/L	5.11 NTU	148.9 mV	17.30 ft	150.00 ml/min
2/7/2023 2:05 PM	50:00	4.73 pH	20.42 °C	34.46 µS/cm	4.93 mg/L	4.57 NTU	136.3 mV	17.30 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/7/2023 12:05:11 PM
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: 23.45 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 37.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 1235

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	+/- 100	+/- 5	
2/7/2023 12:05 PM	00:00	4.88 pH	22.14 °C	24.57 µS/cm	6.00 mg/L	1.27 NTU	146.9 mV	23.45 ft	100.00 ml/min
2/7/2023 12:10 PM	05:00	4.89 pH	21.34 °C	24.91 µS/cm	5.97 mg/L	0.40 NTU	139.2 mV	25.30 ft	100.00 ml/min
2/7/2023 12:15 PM	10:00	4.89 pH	21.16 °C	24.83 µS/cm	5.97 mg/L	0.37 NTU	137.0 mV	25.70 ft	100.00 ml/min
2/7/2023 12:20 PM	15:00	4.91 pH	21.10 °C	24.80 µS/cm	5.97 mg/L	0.42 NTU	133.8 mV	26.40 ft	100.00 ml/min
2/7/2023 12:25 PM	20:00	4.90 pH	21.09 °C	24.73 µS/cm	5.93 mg/L	1.09 NTU	147.5 mV	26.50 ft	100.00 ml/min
2/7/2023 12:30 PM	25:00	4.89 pH	21.08 °C	24.74 µS/cm	5.98 mg/L	0.43 NTU	131.7 mV	26.60 ft	100.00 ml/min
2/7/2023 12:35 PM	30:00	4.91 pH	21.14 °C	24.73 µS/cm	5.98 mg/L	0.82 NTU	130.1 mV	26.60 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/7/2023 10:55:05 AM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWA-4A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29 ft** **Total Depth: 39 ft** **Initial Depth to Water: 27.33 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 34 ft** **Estimated Total Volume Pumped: 4.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min Final Draw Down: 4.44 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 1125

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	+/- 100	+/- 5	
2/7/2023 10:55 AM	00:00	4.84 pH	20.30 °C	25.18 µS/cm	5.06 mg/L	4.04 NTU	124.6 mV	27.33 ft	130.00 ml/min
2/7/2023 11:00 AM	05:00	4.83 pH	20.43 °C	25.13 µS/cm	4.94 mg/L	4.47 NTU	125.8 mV	27.60 ft	150.00 ml/min
2/7/2023 11:05 AM	10:00	4.86 pH	20.61 °C	25.05 µS/cm	4.88 mg/L	4.24 NTU	137.9 mV	27.60 ft	150.00 ml/min
2/7/2023 11:10 AM	15:00	4.84 pH	20.61 °C	24.98 µS/cm	4.93 mg/L	3.16 NTU	126.3 mV	27.70 ft	150.00 ml/min
2/7/2023 11:15 AM	20:00	4.82 pH	20.66 °C	25.00 µS/cm	5.04 mg/L	2.31 NTU	125.7 mV	27.70 ft	150.00 ml/min
2/7/2023 11:20 AM	25:00	4.86 pH	20.79 °C	25.00 µS/cm	5.05 mg/L	2.65 NTU	123.7 mV	27.70 ft	150.00 ml/min
2/7/2023 11:25 AM	30:00	4.84 pH	20.82 °C	24.95 µS/cm	5.02 mg/L	2.17 NTU	128.0 mV	27.70 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/7/2023 9:20:06 AM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWA-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: 25.88 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 5.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.64 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 0950

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	+/- 100	+/- 5	
2/7/2023 9:20 AM	00:00	5.66 pH	14.22 °C	41.44 µS/cm	6.00 mg/L	3.36 NTU	129.5 mV	25.88 ft	150.00 ml/min
2/7/2023 9:25 AM	05:00	5.15 pH	18.83 °C	33.64 µS/cm	4.30 mg/L	1.44 NTU	115.6 mV	26.00 ft	185.00 ml/min
2/7/2023 9:30 AM	10:00	5.13 pH	19.19 °C	32.64 µS/cm	4.31 mg/L	2.09 NTU	112.8 mV	26.00 ft	185.00 ml/min
2/7/2023 9:35 AM	15:00	5.14 pH	19.62 °C	32.43 µS/cm	4.31 mg/L	4.32 NTU	114.1 mV	26.10 ft	200.00 ml/min
2/7/2023 9:40 AM	20:00	5.15 pH	19.53 °C	32.84 µS/cm	4.31 mg/L	3.68 NTU	114.0 mV	26.10 ft	200.00 ml/min
2/7/2023 9:45 AM	25:00	5.15 pH	19.81 °C	32.07 µS/cm	4.31 mg/L	2.74 NTU	114.0 mV	26.10 ft	200.00 ml/min
2/7/2023 9:50 AM	30:00	5.17 pH	19.94 °C	33.01 µS/cm	4.48 mg/L	1.66 NTU	114.2 mV	26.10 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/8/2023 10:15:41 AM
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: 30.1 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 15.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 280 ml/min** **Final Draw Down: 0.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 1110

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	+/- 100	+/- 5	
2/8/2023 10:15 AM	00:00	5.28 pH	21.00 °C	61.36 µS/cm	5.72 mg/L	16.90 NTU	106.6 mV	30.10 ft	280.00 ml/min
2/8/2023 10:20 AM	05:00	5.31 pH	21.42 °C	55.95 µS/cm	5.11 mg/L	11.80 NTU	104.9 mV	30.70 ft	280.00 ml/min
2/8/2023 10:25 AM	10:00	5.43 pH	21.59 °C	61.76 µS/cm	5.11 mg/L	10.40 NTU	105.0 mV	30.80 ft	280.00 ml/min
2/8/2023 10:30 AM	15:00	5.33 pH	21.49 °C	63.31 µS/cm	4.99 mg/L	8.90 NTU	105.0 mV	30.90 ft	280.00 ml/min
2/8/2023 10:35 AM	20:00	5.33 pH	21.39 °C	63.31 µS/cm	4.96 mg/L	4.42 NTU	105.4 mV	30.90 ft	280.00 ml/min
2/8/2023 10:40 AM	25:00	5.32 pH	21.50 °C	63.19 µS/cm	5.02 mg/L	2.90 NTU	105.3 mV	30.90 ft	280.00 ml/min
2/8/2023 10:45 AM	30:00	5.32 pH	21.49 °C	62.62 µS/cm	5.07 mg/L	1.83 NTU	113.8 mV	30.90 ft	280.00 ml/min
2/8/2023 10:50 AM	35:00	5.34 pH	21.55 °C	62.97 µS/cm	5.05 mg/L	1.99 NTU	105.7 mV	30.90 ft	280.00 ml/min
2/8/2023 10:55 AM	40:00	5.30 pH	21.60 °C	62.90 µS/cm	5.01 mg/L	1.56 NTU	114.8 mV	30.90 ft	280.00 ml/min
2/8/2023 11:00 AM	45:00	5.28 pH	21.60 °C	62.33 µS/cm	5.11 mg/L	1.17 NTU	106.6 mV	30.90 ft	280.00 ml/min
2/8/2023 11:05 AM	50:00	5.29 pH	21.66 °C	62.93 µS/cm	4.98 mg/L	0.79 NTU	106.9 mV	30.90 ft	280.00 ml/min
2/8/2023 11:10 AM	55:00	5.31 pH	21.82 °C	62.11 µS/cm	5.02 mg/L	0.84 NTU	106.6 mV	30.90 ft	280.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/8/2023 8:50:05 AM
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: 25.43 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 28 ft** **Estimated Total Volume Pumped: 16.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 270 ml/min** **Final Draw Down: 0.84 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 0950

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	+/- 100	+/- 5	
2/8/2023 8:50 AM	00:00	6.76 pH	17.68 °C	363.13 µS/cm	1.12 mg/L	5.30 NTU	121.2 mV	25.43 ft	270.00 ml/min
2/8/2023 8:55 AM	05:00	6.71 pH	19.23 °C	315.16 µS/cm	1.40 mg/L	5.12 NTU	100.2 mV	25.50 ft	270.00 ml/min
2/8/2023 9:00 AM	10:00	6.62 pH	19.54 °C	291.26 µS/cm	1.66 mg/L	3.90 NTU	98.5 mV	25.50 ft	270.00 ml/min
2/8/2023 9:05 AM	15:00	6.58 pH	19.61 °C	281.82 µS/cm	1.88 mg/L	4.73 NTU	101.5 mV	25.50 ft	270.00 ml/min
2/8/2023 9:10 AM	20:00	6.50 pH	19.71 °C	266.57 µS/cm	1.70 mg/L	2.79 NTU	99.3 mV	25.50 ft	270.00 ml/min
2/8/2023 9:15 AM	25:00	6.47 pH	19.82 °C	256.90 µS/cm	1.66 mg/L	2.09 NTU	92.0 mV	25.50 ft	270.00 ml/min
2/8/2023 9:20 AM	30:00	6.44 pH	19.89 °C	250.75 µS/cm	1.54 mg/L	1.55 NTU	91.3 mV	25.50 ft	270.00 ml/min
2/8/2023 9:25 AM	35:00	6.39 pH	19.98 °C	240.61 µS/cm	1.52 mg/L	0.56 NTU	95.5 mV	25.50 ft	270.00 ml/min
2/8/2023 9:30 AM	40:00	6.39 pH	20.04 °C	237.25 µS/cm	1.57 mg/L	0.49 NTU	90.5 mV	25.50 ft	270.00 ml/min
2/8/2023 9:35 AM	45:00	6.36 pH	20.13 °C	231.17 µS/cm	1.50 mg/L	0.50 NTU	94.7 mV	25.50 ft	270.00 ml/min
2/8/2023 9:40 AM	50:00	6.33 pH	20.21 °C	227.47 µS/cm	1.56 mg/L	0.40 NTU	90.4 mV	25.50 ft	270.00 ml/min
2/8/2023 9:45 AM	55:00	6.33 pH	20.22 °C	222.61 µS/cm	1.56 mg/L	0.48 NTU	89.7 mV	25.50 ft	270.00 ml/min
2/8/2023 9:50 AM	01:00:00	6.31 pH	20.21 °C	221.35 µS/cm	1.54 mg/L	0.51 NTU	89.4 mV	25.50 ft	270.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 2/8/2023 1:25:03 PM
Project: Plant McIntosh LF4
Operator Name: J. Berisford

Location Name: GWC-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.26 ft** **Total Depth: 42.26 ft** **Initial Depth to Water: 33.74 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 17.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 1 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965678**

Test Notes:
Sunny, sample time-1435

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	+/- 100	+/- 0.3	
2/8/2023 1:25 PM	00:00	3.84 pH	40.81 °C	0.00 µS/cm	6.12 mg/L	4.82 NTU	64.7 mV	33.74 ft	250.00 ml/min
2/8/2023 1:30 PM	05:00	6.71 pH	25.97 °C	96.69 µS/cm	2.14 mg/L	4.44 NTU	128.9 mV	33.80 ft	250.00 ml/min
2/8/2023 1:35 PM	10:00	6.64 pH	23.21 °C	88.70 µS/cm	3.01 mg/L	3.92 NTU	113.2 mV	33.80 ft	250.00 ml/min
2/8/2023 1:40 PM	15:00	6.65 pH	23.02 °C	86.21 µS/cm	3.44 mg/L	2.38 NTU	105.0 mV	33.80 ft	250.00 ml/min
2/8/2023 1:45 PM	20:00	6.63 pH	23.12 °C	84.55 µS/cm	3.67 mg/L	2.04 NTU	100.8 mV	33.80 ft	250.00 ml/min
2/8/2023 1:50 PM	25:00	6.59 pH	22.71 °C	82.61 µS/cm	3.74 mg/L	1.09 NTU	98.0 mV	33.80 ft	250.00 ml/min
2/8/2023 1:55 PM	30:00	6.56 pH	22.89 °C	78.53 µS/cm	3.87 mg/L	0.83 NTU	94.9 mV	33.80 ft	250.00 ml/min
2/8/2023 2:00 PM	35:00	6.48 pH	22.88 °C	74.36 µS/cm	3.99 mg/L	0.94 NTU	93.3 mV	33.80 ft	250.00 ml/min
2/8/2023 2:05 PM	40:00	6.44 pH	23.06 °C	71.24 µS/cm	4.02 mg/L	0.99 NTU	92.6 mV	33.80 ft	250.00 ml/min
2/8/2023 2:10 PM	45:00	6.39 pH	23.75 °C	68.37 µS/cm	4.10 mg/L	1.03 NTU	100.5 mV	33.80 ft	250.00 ml/min
2/8/2023 2:15 PM	50:00	6.32 pH	22.91 °C	66.25 µS/cm	4.19 mg/L	1.01 NTU	93.0 mV	33.80 ft	250.00 ml/min
2/8/2023 2:20 PM	55:00	6.27 pH	23.75 °C	66.12 µS/cm	4.39 mg/L	0.64 NTU	100.4 mV	33.80 ft	250.00 ml/min
2/8/2023 2:25 PM	01:00:00	6.28 pH	23.12 °C	62.54 µS/cm	4.30 mg/L	0.63 NTU	92.2 mV	33.80 ft	250.00 ml/min
2/8/2023 2:30 PM	01:05:00	6.29 pH	24.79 °C	63.08 µS/cm	4.18 mg/L	0.71 NTU	90.9 mV	33.80 ft	250.00 ml/min
2/8/2023 2:35 PM	01:10:00	6.24 pH	23.07 °C	61.29 µS/cm	4.38 mg/L	0.81 NTU	99.8 mV	33.80 ft	250.00 ml/min

Low-Flow Test Report:

Test Date / Time: 2/7/2023 3:50:19 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: 31.1 ft** **Total Depth: 41.1 ft** **Initial Depth to Water: 27.86 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 5.875 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 4.08 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 1615, MCI-LF4-FD-03 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	+/- 100	+/- 5	
2/7/2023 3:50 PM	00:00	5.12 pH	21.81 °C	23.93 µS/cm	7.68 mg/L	1.08 NTU	133.8 mV	27.86 ft	175.00 ml/min
2/7/2023 3:55 PM	05:00	5.07 pH	21.05 °C	23.50 µS/cm	7.96 mg/L	0.71 NTU	129.7 mV	28.20 ft	250.00 ml/min
2/7/2023 4:00 PM	10:00	5.05 pH	21.05 °C	23.40 µS/cm	8.10 mg/L	1.34 NTU	131.1 mV	28.20 ft	250.00 ml/min
2/7/2023 4:05 PM	15:00	5.06 pH	21.02 °C	23.53 µS/cm	7.91 mg/L	1.91 NTU	129.3 mV	28.20 ft	250.00 ml/min
2/7/2023 4:10 PM	20:00	5.07 pH	21.04 °C	23.55 µS/cm	7.74 mg/L	1.84 NTU	127.6 mV	28.20 ft	250.00 ml/min
2/7/2023 4:15 PM	25:00	5.07 pH	21.04 °C	23.59 µS/cm	7.82 mg/L	1.21 NTU	126.4 mV	28.20 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/6/2023 4:05:06 PM
Project: Plant McIntosh LF4
Operator Name: J. Berisford

Location Name: GWA-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.16 ft** **Total Depth: 40.16 ft** **Initial Depth to Water: 26.46 ft**	**Pump Type: Peri. Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 8.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 2.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965678**

Test Notes:
Sunny, sample time-1635

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	+/- 100	+/- 0.3	
2/6/2023 4:05 PM	00:00	5.83 pH	23.43 °C	10.69 µS/cm	8.40 mg/L	20.00 NTU	250.2 mV	26.46 ft	275.00 ml/min
2/6/2023 4:10 PM	05:00	4.74 pH	21.50 °C	16.55 µS/cm	7.01 mg/L	16.00 NTU	101.6 mV	26.70 ft	275.00 ml/min
2/6/2023 4:15 PM	10:00	4.75 pH	21.38 °C	16.51 µS/cm	6.94 mg/L	4.92 NTU	113.0 mV	26.70 ft	275.00 ml/min
2/6/2023 4:20 PM	15:00	4.74 pH	21.39 °C	17.24 µS/cm	6.49 mg/L	3.89 NTU	118.3 mV	26.70 ft	275.00 ml/min
2/6/2023 4:25 PM	20:00	4.71 pH	21.46 °C	17.58 µS/cm	6.15 mg/L	2.98 NTU	121.6 mV	26.70 ft	275.00 ml/min
2/6/2023 4:30 PM	25:00	4.72 pH	21.47 °C	18.01 µS/cm	5.96 mg/L	1.64 NTU	122.0 mV	26.70 ft	275.00 ml/min
2/6/2023 4:35 PM	30:00	4.75 pH	21.48 °C	18.03 µS/cm	5.80 mg/L	1.77 NTU	121.8 mV	26.70 ft	275.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/7/2023 9:10:04 AM
Project: Plant McIntosh LF4
Operator Name: J. Berisford

Location Name: GWA-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.13 ft** **Total Depth: 50.13 ft** **Initial Depth to Water: 27.86 ft**	**Pump Type: Peri. Pump** **Tubing Type: Poly** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 8.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965678**

Test Notes:
Sunny, sample time -0940

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	+/- 100	+/- 0.3	
2/7/2023 9:10 AM	00:00	8.05 pH	9.85 °C	2.40 µS/cm	11.23 mg/L	1.24 NTU	131.0 mV	27.86 ft	150.00 ml/min
2/7/2023 9:15 AM	05:00	5.26 pH	17.38 °C	16.12 µS/cm	6.27 mg/L	1.35 NTU	111.8 mV	28.20 ft	150.00 ml/min
2/7/2023 9:20 AM	10:00	5.24 pH	18.17 °C	15.88 µS/cm	6.26 mg/L	1.07 NTU	110.5 mV	28.50 ft	150.00 ml/min
2/7/2023 9:25 AM	15:00	5.12 pH	18.39 °C	15.62 µS/cm	6.60 mg/L	0.80 NTU	110.9 mV	28.60 ft	150.00 ml/min
2/7/2023 9:30 AM	20:00	5.03 pH	18.58 °C	15.40 µS/cm	6.94 mg/L	0.89 NTU	110.2 mV	28.60 ft	150.00 ml/min
2/7/2023 9:35 AM	25:00	5.04 pH	18.71 °C	15.41 µS/cm	7.07 mg/L	0.49 NTU	111.0 mV	28.60 ft	150.00 ml/min
2/7/2023 9:40 AM	30:00	5.03 pH	18.87 °C	15.40 µS/cm	6.93 mg/L	0.41 NTU	109.5 mV	28.60 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/7/2023 10:05:09 AM
Project: Plant McIntosh LF4
Operator Name: J. Berisford

Location Name: GWA-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.09 ft** **Total Depth: 40.09 ft** **Initial Depth to Water: 24.28 ft**	**Pump Type: Peri. Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 5.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 3.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965678**

Test Notes:
Sunny, sample time- 1035

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	+/- 100	+/- 0.3	
2/7/2023 10:05 AM	00:00	5.57 pH	25.01 °C	0.00 µS/cm	8.21 mg/L	7.58 NTU	76.1 mV	24.28 ft	175.00 ml/min
2/7/2023 10:10 AM	05:00	5.42 pH	21.37 °C	22.35 µS/cm	6.64 mg/L	7.51 NTU	121.4 mV	24.50 ft	175.00 ml/min
2/7/2023 10:15 AM	10:00	5.31 pH	21.26 °C	19.88 µS/cm	6.64 mg/L	5.94 NTU	115.7 mV	24.60 ft	175.00 ml/min
2/7/2023 10:20 AM	15:00	5.24 pH	21.35 °C	18.48 µS/cm	6.69 mg/L	4.95 NTU	113.0 mV	24.60 ft	175.00 ml/min
2/7/2023 10:25 AM	20:00	5.21 pH	21.45 °C	18.17 µS/cm	6.75 mg/L	3.87 NTU	111.4 mV	24.60 ft	175.00 ml/min
2/7/2023 10:30 AM	25:00	5.21 pH	21.46 °C	18.14 µS/cm	6.62 mg/L	2.95 NTU	110.2 mV	24.60 ft	175.00 ml/min
2/7/2023 10:35 AM	30:00	5.19 pH	21.45 °C	17.86 µS/cm	6.72 mg/L	2.11 NTU	109.6 mV	24.60 ft	175.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/7/2023 11:00:04 AM
Project: Plant McIntosh LF4
Operator Name: J. Berisford

Location Name: GWA-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.06 ft** **Total Depth: 40.06 ft** **Initial Depth to Water: 25.69 ft**	**Pump Type: Peri. Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 5.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 5 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965678**

Test Notes:
Sunny, sample time- 1130

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	+/- 100	+/- 0.3	
2/7/2023 11:00 AM	00:00	5.08 pH	28.52 °C	13.07 µS/cm	6.21 mg/L	3.20 NTU	138.5 mV	25.69 ft	175.00 ml/min
2/7/2023 11:05 AM	05:00	4.86 pH	22.17 °C	14.10 µS/cm	7.64 mg/L	4.21 NTU	121.9 mV	26.10 ft	175.00 ml/min
2/7/2023 11:10 AM	10:00	4.87 pH	21.91 °C	14.10 µS/cm	8.37 mg/L	3.39 NTU	116.2 mV	26.10 ft	175.00 ml/min
2/7/2023 11:15 AM	15:00	4.88 pH	21.86 °C	14.06 µS/cm	8.19 mg/L	3.49 NTU	113.7 mV	26.10 ft	175.00 ml/min
2/7/2023 11:20 AM	20:00	4.87 pH	21.92 °C	14.03 µS/cm	7.82 mg/L	3.80 NTU	138.8 mV	26.10 ft	175.00 ml/min
2/7/2023 11:25 AM	25:00	4.89 pH	21.93 °C	14.02 µS/cm	7.31 mg/L	3.61 NTU	113.0 mV	26.10 ft	175.00 ml/min
2/7/2023 11:30 AM	30:00	4.88 pH	21.87 °C	14.07 µS/cm	7.16 mg/L	2.77 NTU	111.3 mV	26.10 ft	175.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/8/2023 2:14:57 PM
Project: Plant McIntosh LF4
Operator Name: D. 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: 28.17 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 25.05 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 4.56 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884186**

Test Notes:
Sunny, 73 degrees F. Sample time 1445. McI LF4-EB-08 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 300	+/- 10	
2/8/2023 2:14 PM	00:00	6.17 pH	24.15 °C	36.41 µS/cm	5.77 mg/L	7.22 NTU	113.7 mV	28.17 ft	150.00 ml/min
2/8/2023 2:19 PM	05:00	5.56 pH	22.12 °C	37.49 µS/cm	5.74 mg/L	5.30 NTU	129.2 mV	28.56 ft	150.00 ml/min
2/8/2023 2:24 PM	10:00	5.39 pH	22.02 °C	37.59 µS/cm	5.82 mg/L	4.82 NTU	137.4 mV	28.56 ft	150.00 ml/min
2/8/2023 2:29 PM	15:00	5.38 pH	21.92 °C	37.21 µS/cm	5.77 mg/L	4.30 NTU	141.6 mV	28.56 ft	150.00 ml/min
2/8/2023 2:34 PM	20:00	5.35 pH	21.97 °C	36.74 µS/cm	5.86 mg/L	2.33 NTU	146.3 mV	28.56 ft	150.00 ml/min
2/8/2023 2:39 PM	25:00	5.31 pH	21.92 °C	36.06 µS/cm	5.92 mg/L	1.66 NTU	150.2 mV	28.56 ft	150.00 ml/min
2/8/2023 2:44 PM	30:00	5.31 pH	21.90 °C	36.07 µS/cm	5.90 mg/L	0.93 NTU	151.1 mV	28.56 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/7/2023 1:25:25 PM
Project: Plant McIntosh LF4
Operator Name: J. Berisford

Location Name: GWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 32.5 ft** **Total Depth: 42.5 ft** **Initial Depth to Water: 36.27 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 38 ft** **Estimated Total Volume Pumped: 45.7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 14 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965678**

Test Notes:
Sunny, sample time -1635

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	+/- 100	+/- 0.3	
2/7/2023 1:25 PM	00:00	3.90 pH	32.55 °C	0.00 µS/cm	6.99 mg/L	29.00 NTU	61.2 mV	36.27 ft	250.00 ml/min
2/7/2023 1:30 PM	05:00	6.11 pH	23.43 °C	48.03 µS/cm	5.27 mg/L	22.00 NTU	149.9 mV	36.40 ft	250.00 ml/min
2/7/2023 1:35 PM	10:00	6.13 pH	21.17 °C	48.82 µS/cm	5.13 mg/L	19.00 NTU	132.2 mV	36.90 ft	250.00 ml/min
2/7/2023 1:40 PM	15:00	6.13 pH	21.02 °C	48.99 µS/cm	4.94 mg/L	16.00 NTU	123.4 mV	37.00 ft	250.00 ml/min
2/7/2023 1:45 PM	20:00	6.14 pH	20.80 °C	49.26 µS/cm	4.83 mg/L	11.00 NTU	118.3 mV	37.10 ft	250.00 ml/min
2/7/2023 1:50 PM	25:00	6.13 pH	20.75 °C	49.62 µS/cm	4.77 mg/L	9.02 NTU	114.8 mV	37.20 ft	250.00 ml/min
2/7/2023 1:55 PM	30:00	6.15 pH	20.75 °C	50.20 µS/cm	4.70 mg/L	7.38 NTU	111.3 mV	37.30 ft	250.00 ml/min
2/7/2023 2:00 PM	35:00	6.16 pH	20.68 °C	51.26 µS/cm	4.63 mg/L	6.92 NTU	108.8 mV	37.40 ft	250.00 ml/min
2/7/2023 2:05 PM	40:00	6.19 pH	20.71 °C	52.98 µS/cm	4.58 mg/L	6.14 NTU	106.6 mV	37.40 ft	250.00 ml/min
2/7/2023 2:10 PM	45:00	6.24 pH	20.60 °C	55.50 µS/cm	4.53 mg/L	5.09 NTU	104.4 mV	37.40 ft	250.00 ml/min
2/7/2023 2:15 PM	50:00	6.19 pH	20.60 °C	58.75 µS/cm	4.48 mg/L	4.91 NTU	117.5 mV	37.40 ft	250.00 ml/min
2/7/2023 2:20 PM	55:00	6.24 pH	20.65 °C	61.56 µS/cm	4.41 mg/L	4.87 NTU	102.2 mV	37.40 ft	250.00 ml/min
2/7/2023 2:25 PM	01:00:00	6.27 pH	20.59 °C	63.53 µS/cm	4.37 mg/L	4.47 NTU	100.6 mV	37.40 ft	250.00 ml/min
2/7/2023 2:30 PM	01:05:00	6.32 pH	20.52 °C	66.08 µS/cm	4.31 mg/L	11.00 NTU	98.7 mV	37.40 ft	250.00 ml/min
2/7/2023 2:35 PM	01:10:00	6.34 pH	20.54 °C	67.86 µS/cm	4.27 mg/L	10.00 NTU	97.2 mV	37.40 ft	250.00 ml/min

2/7/2023 2:40 PM	01:15:00	6.35 pH	20.48 °C	68.99 µS/cm	4.26 mg/L	10.00 NTU	97.0 mV	37.40 ft	250.00 ml/min
2/7/2023 2:45 PM	01:20:00	6.39 pH	20.53 °C	71.09 µS/cm	4.12 mg/L	10.00 NTU	95.6 mV	37.40 ft	250.00 ml/min
2/7/2023 2:50 PM	01:25:00	6.39 pH	20.48 °C	69.64 µS/cm	4.18 mg/L	9.69 NTU	94.4 mV	37.40 ft	250.00 ml/min
2/7/2023 2:55 PM	01:30:00	6.42 pH	20.48 °C	71.36 µS/cm	4.34 mg/L	24.00 NTU	93.9 mV	37.40 ft	250.00 ml/min
2/7/2023 3:00 PM	01:35:00	6.45 pH	20.41 °C	74.96 µS/cm	4.00 mg/L	33.00 NTU	92.9 mV	37.40 ft	250.00 ml/min
2/7/2023 3:05 PM	01:40:00	6.45 pH	20.43 °C	73.99 µS/cm	4.08 mg/L	36.00 NTU	92.1 mV	37.40 ft	250.00 ml/min
2/7/2023 3:10 PM	01:45:00	6.43 pH	20.33 °C	73.39 µS/cm	4.14 mg/L	38.00 NTU	92.0 mV	37.40 ft	250.00 ml/min
2/7/2023 3:15 PM	01:50:00	6.44 pH	20.26 °C	73.36 µS/cm	4.13 mg/L	35.00 NTU	91.2 mV	37.40 ft	250.00 ml/min
2/7/2023 3:20 PM	01:55:00	6.45 pH	20.39 °C	73.60 µS/cm	4.14 mg/L	39.00 NTU	90.5 mV	37.40 ft	250.00 ml/min
2/7/2023 3:25 PM	02:00:00	6.47 pH	20.39 °C	76.61 µS/cm	3.85 mg/L	34.00 NTU	90.3 mV	37.40 ft	250.00 ml/min
2/7/2023 3:30 PM	02:05:00	6.47 pH	20.46 °C	75.41 µS/cm	3.95 mg/L	36.00 NTU	89.7 mV	37.40 ft	250.00 ml/min
2/7/2023 3:35 PM	02:10:00	6.45 pH	20.23 °C	74.43 µS/cm	4.07 mg/L	29.00 NTU	89.6 mV	37.40 ft	250.00 ml/min
2/7/2023 3:40 PM	02:15:00	6.44 pH	20.29 °C	73.66 µS/cm	4.18 mg/L	27.00 NTU	89.2 mV	37.40 ft	250.00 ml/min
2/7/2023 3:45 PM	02:20:00	6.44 pH	20.28 °C	73.33 µS/cm	4.20 mg/L	27.00 NTU	88.9 mV	37.40 ft	250.00 ml/min
2/7/2023 3:50 PM	02:25:00	6.44 pH	20.34 °C	74.06 µS/cm	4.10 mg/L	25.00 NTU	88.8 mV	37.40 ft	250.00 ml/min
2/7/2023 3:55 PM	02:30:00	6.45 pH	20.26 °C	74.04 µS/cm	4.09 mg/L	24.00 NTU	88.4 mV	37.40 ft	250.00 ml/min
2/7/2023 4:00 PM	02:35:00	6.44 pH	20.22 °C	74.23 µS/cm	4.07 mg/L	22.00 NTU	88.5 mV	37.40 ft	250.00 ml/min
2/7/2023 4:05 PM	02:40:00	6.45 pH	20.17 °C	74.60 µS/cm	4.04 mg/L	20.00 NTU	97.6 mV	37.40 ft	250.00 ml/min
2/7/2023 4:10 PM	02:45:00	6.46 pH	20.21 °C	74.52 µS/cm	4.02 mg/L	19.00 NTU	88.6 mV	37.40 ft	250.00 ml/min
2/7/2023 4:15 PM	02:50:00	6.46 pH	20.26 °C	75.08 µS/cm	3.95 mg/L	16.00 NTU	87.9 mV	37.40 ft	250.00 ml/min
2/7/2023 4:20 PM	02:55:00	6.47 pH	20.25 °C	75.43 µS/cm	3.92 mg/L	15.00 NTU	87.5 mV	37.40 ft	250.00 ml/min
2/7/2023 4:25 PM	03:00:00	6.46 pH	20.24 °C	75.56 µS/cm	3.89 mg/L	12.00 NTU	88.3 mV	37.40 ft	250.00 ml/min
2/7/2023 4:30 PM	03:05:00	6.47 pH	20.16 °C	75.96 µS/cm	3.85 mg/L	10.00 NTU	87.1 mV	37.40 ft	250.00 ml/min
2/7/2023 4:35 PM	03:10:00	6.47 pH	20.24 °C	76.09 µS/cm	3.84 mg/L	9.83 NTU	86.7 mV	37.40 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/8/2023 9:10:04 AM
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: 27.8 in** **Total Depth: 37.8 ft** **Initial Depth to Water: 30.23 ft**	**Pump Type: Peri. Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 15 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 3.2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965678**

Test Notes:
Sunny, sample time-1010, FB-05 here at 930

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	+/- 100	+/- 0.3	
2/8/2023 9:10 AM	00:00	5.61 pH	16.99 °C	46.96 µS/cm	6.02 mg/L	5.11 NTU	132.6 mV	30.23 ft	250.00 ml/min
2/8/2023 9:15 AM	05:00	5.43 pH	20.01 °C	38.75 µS/cm	4.44 mg/L	4.81 NTU	114.7 mV	30.40 ft	250.00 ml/min
2/8/2023 9:20 AM	10:00	5.49 pH	20.17 °C	40.64 µS/cm	4.37 mg/L	2.56 NTU	111.5 mV	30.40 ft	250.00 ml/min
2/8/2023 9:25 AM	15:00	5.55 pH	20.17 °C	41.08 µS/cm	4.30 mg/L	1.92 NTU	108.4 mV	30.40 ft	250.00 ml/min
2/8/2023 9:30 AM	20:00	5.57 pH	20.39 °C	41.12 µS/cm	4.32 mg/L	1.70 NTU	107.0 mV	30.50 ft	250.00 ml/min
2/8/2023 9:35 AM	25:00	5.57 pH	20.82 °C	41.23 µS/cm	4.29 mg/L	1.55 NTU	106.0 mV	30.50 ft	250.00 ml/min
2/8/2023 9:40 AM	30:00	5.58 pH	20.88 °C	41.19 µS/cm	4.25 mg/L	1.21 NTU	105.0 mV	30.50 ft	250.00 ml/min
2/8/2023 9:45 AM	35:00	5.57 pH	21.20 °C	41.00 µS/cm	4.32 mg/L	1.05 NTU	104.5 mV	30.50 ft	250.00 ml/min
2/8/2023 9:50 AM	40:00	5.58 pH	20.93 °C	40.91 µS/cm	4.30 mg/L	1.01 NTU	103.9 mV	30.50 ft	250.00 ml/min
2/8/2023 9:55 AM	45:00	5.58 pH	21.19 °C	40.92 µS/cm	4.29 mg/L	0.87 NTU	103.3 mV	30.50 ft	250.00 ml/min
2/8/2023 10:00 AM	50:00	5.58 pH	21.51 °C	41.08 µS/cm	4.19 mg/L	0.57 NTU	102.9 mV	30.50 ft	250.00 ml/min
2/8/2023 10:05 AM	55:00	5.59 pH	21.22 °C	41.21 µS/cm	4.27 mg/L	0.49 NTU	102.4 mV	30.50 ft	250.00 ml/min
2/8/2023 10:10 AM	01:00:00	5.59 pH	21.73 °C	41.13 µS/cm	4.25 mg/L	0.53 NTU	102.0 mV	30.50 ft	250.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 2/8/2023 10:35:29 AM
Project: Plant McIntosh LF4
Operator Name: J. Berisford

Location Name: GWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 20.14 ft** **Total Depth: 30.14 ft** **Initial Depth to Water: 23.66 ft**	**Pump Type: Peri. Pump** **Tubing Type: Poly** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 12.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 275 ml/min** **Final Draw Down: 2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965678**

Test Notes:
Sunny, sample time- 1120, DUP-04 here

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	+/- 100	+/- 0.3	
2/8/2023 10:35 AM	00:00	6.05 pH	29.43 °C	0.00 µS/cm	7.45 mg/L	13.00 NTU	92.2 mV	23.66 ft	250.00 ml/min
2/8/2023 10:40 AM	05:00	4.87 pH	21.71 °C	25.24 µS/cm	4.71 mg/L	11.00 NTU	121.4 mV	23.70 ft	250.00 ml/min
2/8/2023 10:45 AM	10:00	4.78 pH	20.95 °C	26.11 µS/cm	4.79 mg/L	8.22 NTU	118.6 mV	23.70 ft	250.00 ml/min
2/8/2023 10:50 AM	15:00	4.84 pH	20.93 °C	26.01 µS/cm	4.71 mg/L	6.19 NTU	116.2 mV	23.80 ft	250.00 ml/min
2/8/2023 10:55 AM	20:00	4.84 pH	20.96 °C	25.77 µS/cm	4.61 mg/L	4.28 NTU	114.9 mV	23.80 ft	250.00 ml/min
2/8/2023 11:00 AM	25:00	4.86 pH	20.94 °C	25.85 µS/cm	4.69 mg/L	2.93 NTU	113.7 mV	23.80 ft	250.00 ml/min
2/8/2023 11:05 AM	30:00	4.84 pH	21.02 °C	26.01 µS/cm	4.53 mg/L	1.24 NTU	141.8 mV	23.80 ft	250.00 ml/min
2/8/2023 11:10 AM	35:00	4.85 pH	21.11 °C	25.99 µS/cm	4.56 mg/L	1.21 NTU	114.5 mV	23.80 ft	250.00 ml/min
2/8/2023 11:15 AM	40:00	4.84 pH	21.13 °C	26.00 µS/cm	4.60 mg/L	1.05 NTU	141.8 mV	23.80 ft	250.00 ml/min
2/8/2023 11:20 AM	45:00	4.84 pH	21.14 °C	26.02 µS/cm	4.52 mg/L	0.79 NTU	114.5 mV	23.80 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 2/8/2023 1:15:16 PM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

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: 21.79 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 13.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 220 ml/min** **Final Draw Down: 6.12 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 1415, MCI-LF4-FB-06 here at 1400

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	+/- 100	+/- 5	
2/8/2023 1:15 PM	00:00	4.91 pH	23.51 °C	39.46 µS/cm	3.86 mg/L	5.89 NTU	131.0 mV	21.79 ft	220.00 ml/min
2/8/2023 1:20 PM	05:00	4.90 pH	22.18 °C	40.37 µS/cm	3.67 mg/L	4.32 NTU	125.4 mV	22.10 ft	220.00 ml/min
2/8/2023 1:25 PM	10:00	4.89 pH	21.98 °C	40.41 µS/cm	3.63 mg/L	3.21 NTU	123.0 mV	22.10 ft	220.00 ml/min
2/8/2023 1:30 PM	15:00	4.86 pH	21.88 °C	40.40 µS/cm	3.34 mg/L	2.97 NTU	135.0 mV	22.20 ft	220.00 ml/min
2/8/2023 1:35 PM	20:00	4.86 pH	21.82 °C	40.50 µS/cm	3.27 mg/L	2.73 NTU	121.3 mV	22.20 ft	220.00 ml/min
2/8/2023 1:40 PM	25:00	4.85 pH	21.74 °C	40.56 µS/cm	3.21 mg/L	3.67 NTU	120.1 mV	22.30 ft	220.00 ml/min
2/8/2023 1:45 PM	30:00	4.86 pH	21.73 °C	40.60 µS/cm	3.18 mg/L	4.95 NTU	130.2 mV	22.30 ft	220.00 ml/min
2/8/2023 1:50 PM	35:00	4.83 pH	21.77 °C	40.78 µS/cm	3.13 mg/L	3.67 NTU	118.9 mV	22.30 ft	220.00 ml/min
2/8/2023 1:55 PM	40:00	4.84 pH	21.92 °C	40.35 µS/cm	3.20 mg/L	18.90 NTU	129.5 mV	22.30 ft	220.00 ml/min
2/8/2023 2:00 PM	45:00	4.84 pH	21.64 °C	40.29 µS/cm	3.40 mg/L	30.80 NTU	129.3 mV	22.30 ft	220.00 ml/min
2/8/2023 2:05 PM	50:00	4.86 pH	21.79 °C	40.19 µS/cm	3.28 mg/L	17.20 NTU	117.2 mV	22.30 ft	220.00 ml/min
2/8/2023 2:10 PM	55:00	4.85 pH	21.74 °C	40.15 µS/cm	3.33 mg/L	7.89 NTU	116.2 mV	22.30 ft	220.00 ml/min
2/8/2023 2:15 PM	01:00:00	4.85 pH	21.66 °C	40.00 µS/cm	3.26 mg/L	3.99 NTU	116.2 mV	22.30 ft	220.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 2/8/2023 11:35:11 AM
Project: Plant McIntosh LF4
Operator Name: Toby Johnson

Location Name: GWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.7 ft** **Total Depth: 33.7 ft** **Initial Depth to Water: 29.7 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 9.875 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 16.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 965658**

Test Notes:
Sunny, sampled at 1240

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	+/- 100	+/- 5	
2/8/2023 11:35 AM	00:00	5.14 pH	24.22 °C	40.36 µS/cm	5.86 mg/L	1.79 NTU	119.2 mV	29.70 ft	175.00 ml/min
2/8/2023 11:40 AM	05:00	5.04 pH	21.56 °C	38.55 µS/cm	4.00 mg/L	1.64 NTU	120.7 mV	30.30 ft	150.00 ml/min
2/8/2023 11:45 AM	10:00	5.04 pH	21.32 °C	36.86 µS/cm	4.33 mg/L	1.99 NTU	119.0 mV	30.50 ft	150.00 ml/min
2/8/2023 11:50 AM	15:00	5.04 pH	21.39 °C	37.35 µS/cm	4.39 mg/L	1.72 NTU	116.6 mV	30.70 ft	150.00 ml/min
2/8/2023 11:55 AM	20:00	5.02 pH	21.46 °C	36.09 µS/cm	4.74 mg/L	1.99 NTU	114.6 mV	30.80 ft	150.00 ml/min
2/8/2023 12:00 PM	25:00	5.06 pH	21.42 °C	36.35 µS/cm	4.57 mg/L	2.07 NTU	113.9 mV	30.90 ft	150.00 ml/min
2/8/2023 12:05 PM	30:00	5.01 pH	21.39 °C	36.14 µS/cm	5.14 mg/L	1.78 NTU	126.3 mV	30.90 ft	150.00 ml/min
2/8/2023 12:10 PM	35:00	5.04 pH	21.53 °C	36.67 µS/cm	5.72 mg/L	1.34 NTU	126.6 mV	31.00 ft	150.00 ml/min
2/8/2023 12:15 PM	40:00	5.06 pH	21.55 °C	36.46 µS/cm	6.07 mg/L	1.05 NTU	115.4 mV	31.00 ft	150.00 ml/min
2/8/2023 12:20 PM	45:00	5.09 pH	21.55 °C	43.17 µS/cm	2.45 mg/L	0.74 NTU	125.0 mV	31.00 ft	150.00 ml/min
2/8/2023 12:25 PM	50:00	5.04 pH	21.51 °C	37.43 µS/cm	4.56 mg/L	0.80 NTU	114.2 mV	31.10 ft	150.00 ml/min
2/8/2023 12:30 PM	55:00	5.06 pH	21.50 °C	37.28 µS/cm	5.01 mg/L	0.93 NTU	113.7 mV	31.10 ft	150.00 ml/min
2/8/2023 12:35 PM	01:00:00	5.07 pH	21.72 °C	37.57 µS/cm	5.08 mg/L	1.03 NTU	113.3 mV	31.10 ft	150.00 ml/min
2/8/2023 12:40 PM	01:05:00	5.08 pH	21.77 °C	37.82 µS/cm	5.13 mg/L	0.82 NTU	112.8 mV	31.10 ft	150.00 ml/min

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: NJ [illegible] LF4

TECHNICIAN: [illegible]

WATER LEVEL: Solinst

WATER LEVEL S/N: 267304

INSTRUMENT S/N: 965678

INSTRUMENT TYPE: AquaTroll

CAL. SOLUTION/S:			
ID: pH 4	LOT #: 16K617	EXP. DATE: 10/28	
ID: pH 7	LOT #: 26G042	EXP. DATE: 7/24	
ID: pH 10	LOT #: 16I438	EXP. DATE: 6/23	
ID: Cond	LOT #: 26F206	EXP. DATE: 6/23	
ID: ORP	LOT #: 26G459	EXP. DATE: 4/23	**Midday pH check**
ID:	LOT #:	EXP. DATE:	**Must be less that .10**
ID:	LOT #:	EXP. DATE:	(6.90-7.10 range)

Recalibrate if not within range

Calibration Date: 2/6/23

RDO:	100% sat. = 99.2			*Midday pH check*
PH:	4.00 = 3.95	7.00 = 6.45	10.00 = 9.43	7.0 = 7.00
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413	= 1612		
ORP (mV)	240	= 215.4		

Calibration Date: 2/7/23

RDO:	100% sat. = 99.5			*Midday pH check*
PH:	4.00 = ~~4.80~~ 4.04	7.00 = 7.16	10.00 = 10.10	7.0 = 7.01
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413	= 1363		
ORP (mV)	240	= 254		

Calibration Date: 2/8/23

RDO:	100% sat. = 100.3			*Midday pH check*
PH:	4.00 = 4.02	7.00 = 7.03	10.00 = 10.13	7.0 = 7.05
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413	= 1162		
ORP (mV)	240	= 248.1		

Calibration Date:

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

Calibration Date:

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

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: McIntosh LF

TECHNICIAN: J. Barker

INSTRUMENT S/N: ...000803

INSTRUMENT TYPE: HACH 2100Q

CAL. SOLUTION:

0 NTU - LOT #	DI H2O	EXP. DATE: N/A
10 NTU - LOT #	A2085	EXP. DATE: 7/23
20 NTU - LOT #	A2200	EXP. DATE: 11/23

Calibration Date: 2/6/23

Calibation Solution	Instrument Reading	
0.0	0.21	NTU
10.0	9.26	NTU
20.0	20.2	NTU

Calibration Date: 2/7/23

Calibation Solution	Instrument Reading	
0.0	0.25	NTU
10.0	9.55	NTU
20.0	20.2	NTU

Calibration Date: 2/8/23

Calibation Solution	Instrument Reading	
0.0	0.28	NTU
10.0	9.74	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

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh LF4

TECHNICIAN: Toby Johnson

WATER LEVEL: Solinst

WATER LEVEL S/N: 322101

INSTRUMENT S/N: 965658

INSTRUMENT TYPE: AquaTroll

CAL. SOLUTION/S:

ID	LOT #	EXP. DATE
Cond	2GE642	9/23
pH 4	2GH670	8/24
pH 7	2GI304	9/24
pH 10	2GH903	8/24
ORP	2GL022	9/23

Midday pH check

Must be less that .10

(6.90-7.10 range)

Recalibrate if not within range

Calibration Date: 2/7/23

				Midday pH check
RDO:	100% sat. = 92.34			
PH:	4.00 = 3.96	7.00 = 7.15	10.00 = 10.23	7.0 = 7.01
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413	= 1131.8		
ORP (mV)	240	= 258.4		

Calibration Date: 2/8/23

				Midday pH check
RDO:	100% sat. = 103.17			
PH:	4.00 = 3.98	7.00 = 7.11	10.00 = 10.06	7.0 = 6.99
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413	= 1138.3		
ORP (mV)	240	= 236.3		

Calibration Date:

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

Calibration Date:

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

Calibration Date:

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

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh

TECHNICIAN: Toby Johnson

INSTRUMENT S/N: 11090C012353

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:
0 NTU - LOT # D.I Water EXP. DATE: New
10 NTU - LOT # A2122 EXP. DATE: 8/23
20 NTU - LOT # A2124 EXP. DATE: 8/23

Calibration Date: 2/7/23

Calibation Solution	Instrument Reading	
0.0	0.16	NTU
10.0	9.95	NTU
20.0	20.4	NTU

Calibration Date: 2/8/23

Calibation Solution	Instrument Reading	
0.0	0.17	NTU
10.0	9.91	NTU
20.0	20.2	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: Plant McIntosh

TECHNICIAN: Dever Johnson

WATER LEVEL: Solinst

WATER LEVEL S/N: 530984

INSTRUMENT S/N: 884186

INSTRUMENT TYPE: AquaTroll ~~530984~~

CAL. SOLUTION/S:

ID: ORP	LOT #: 22200085	EXP. DATE:	08/23
ID: PH 4	LOT #: 21470032	EXP. DATE:	04/23
ID: PH 7	LOT #: 22140169	EXP. DATE:	08/23
ID: PH 10	LOT #: 22110130	EXP. DATE:	08/23
ID: Conduct.	LOT #: 2GI642	EXP. DATE:	09/23
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~~ 2/7/23

RDO: 100% sat. = 95.85%

PH: 4.00 = 4.01 7.00 = 7.05 10.00 = 10.29 *Midday pH check* 7.0 = 7.05

PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0= post recal check

CONDUCTIVITY: 1.413 = 708.74

ORP (mV) 228 = 265.6

Calibration Date: 2/8/23

RDO: 100% sat. = 101.01

PH: 4.00 = 4.016 7.00 = 7.03 10.00 = 10.09 *Midday pH check* 7.0 = 7.04

PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0= post recal check

CONDUCTIVITY: 1.431 = 1.14

ORP (mV) 228 = 237.8

Calibration Date:

RDO: 100% sat. = *Midday pH check*

PH: 4.00 = 7.00 = 10.00 = 7.0 =

PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0= post recal check

CONDUCTIVITY: ~~1.431 = 1.114~~

ORP (mV) =

Calibration Date:

RDO: 100% sat. = *Midday pH check*

PH: 4.00 = 7.00 = 10.00 = 7.0 =

PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0= post recal check

CONDUCTIVITY: =

ORP (mV) =

Calibration Date:

RDO: 100% sat. = *Midday pH check*

PH: 4.00 = 7.00 = 10.00 = 7.0 =

PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0= post recal check

CONDUCTIVITY: =

ORP (mV) =

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh

TECHNICIAN: Dever Johnson

INSTRUMENT S/N: 2207D000463

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:

0 NTU - LOT #	—	EXP. DATE:	— DI water
10 NTU - LOT #	A2264	EXP. DATE:	1/24
20 NTU - LOT #	A2231	EXP. DATE:	12/23

Calibration Date: 2/7/23

Calibation Solution	Instrument Reading	
0.0	0.21	NTU
10.0	10.1	NTU
20.0	20.3	NTU

Calibration Date: 2/8/23

Calibation Solution	Instrument Reading	
0.0	0.18	NTU
10.0	9.69	NTU
20.0	19.9	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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

1 - Location/Identification		GWC-1	GWA-2	GWA-3	GWA-4A	GWA-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	No	No	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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

2 - Protective Outer Casing		GWC-1	GWA-2	GWA-3	GWA-4A	GWA-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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

3 - Surface Pad		GWC-1	GWA-2	GWA-3	GWA-4A	GWA-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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

4 - Internal Well Casing		GWC-1	GWA-2	GWA-3	GWA-4A	GWA-5	GWC-9	GWC-10	GWC-11	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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

5 - Sampling (Groundwater Monitoring Wells Only):

		GWC-1	GWA-2	GWA-3	GWA-4A	GWA-5	GWC-9	GWC-10	GWC-11	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	GWA-4A	GWA-5	GWC-9	GWC-10	GWC-11	GWC-12	GWA-13
1) achieve the objectives of the facility Groundwater Monitoring Program, and 2) comply with the applicable regulatory requirements?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

7 - Corrective actions completed and Notes:
GWA-4A well labeled "GWC-4A"
GWA-5 well labeled "GWC-5"

Staff: T. Johnson
Date: 2/6/2023

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

Plant McIntosh Landfill No. 4
February 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

1 - Location/Identification		GWA-14	GWA-15	GWA-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

2 - Protective Outer Casing		GWA-14	GWA-15	GWA-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

3 - Surface Pad		GWA-14	GWA-15	GWA-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

4 - Internal Well Casing		GWA-14	GWA-15	GWA-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	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 2023 Well Inspection Form

Permit No.: 051-010D(LI)

ATLANTIC COAST CONSULTING, INC.

5 - Sampling (Groundwater Monitoring Wells Only):

		GWA-14	GWA-15	GWA-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	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	GWA-15	GWA-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	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. Johnson
Date: 2/6/2023

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

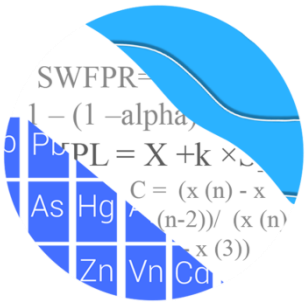
APPENDIX B
STATISTICAL ANALYSIS REPORTS

APPENDIX B

Statistical Analysis Report
February 2023 Monitoring Event

GROUNDWATER STATS CONSULTING

August 31, 2023



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

Re: Plant McIntosh Landfill #4
Statistical Analysis – February 2023

Dear Ms. Hartley,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of the February 2023 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 for the Georgia EPD's Solid Waste Permit as early as 2006 for some wells. 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 evaluated 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 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.

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, 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 the March 2022 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. 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. The results of the Mann-Whitney test were submitted with the report. 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. 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 2023

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 D). Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. Note that prediction limits for vanadium at wells GWA-16 and GWC-12 slightly increased and the prediction limit for vanadium at well GWC-23 slightly decreased as a result of the

reporting limit increasing from 0.001 mg/L to 0.002 mg/L. No significant changes occurred as a result of the reporting limit increase. 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)

Two-Step Approach

Following the Two-Step analysis procedure, interwell prediction limits would be constructed using pooled upgradient well data for well/constituent pairs with intrawell prediction limit exceedances in downgradient wells. Since no exceedances were found downgradient of the facility, 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 at the 99% confidence level. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of variability in groundwater unrelated to practices at the site. Since no exceedances were found downgradient of the facility, no further action is necessary.

Statistical Analysis of CCR Appendix III Parameters – February 2023

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 E). 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 2023 samples are compared to these intrawell background limits during this sample event. No exceedances were identified for any of the well/constituent pairs.

Two-Step Approach

The Two-Step approach as discussed earlier consists of constructing interwell prediction limits using pooled upgradient well data to further evaluate the apparent intrawell prediction limit exceedances. This step was not necessary as no apparent intrawell prediction limit exceedances were identified.

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 2023 (Figure F). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2023 sample from each downgradient well is compared to the background limit to determine whether initial exceedances 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. No exceedances were identified for any of the well/constituent pairs.

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 at the 99% confidence level. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of variability in groundwater unrelated to practices at the site. This step was not necessary as no statistically significant increases were identified.

Summary

Georgia EPD Appendix I

Based on the results of the Appendix I intrawell prediction limits, no statistically significant increases were identified in any of the downgradient wells. The following initial exceedances were identified in upgradient wells:

Appendix I Intrawell

- Lead: GWA-2 (upgradient)
- Zinc: GWA-16 (upgradient)

The two-step approach was not necessary for this analysis as no exceedances were found downgradient of the facility.

CCR Appendix III

Based on the results of the Appendix III constituents requiring intrawell prediction limits for sulfate and interwell prediction limits for boron, calcium, chloride, fluoride, pH, and TDS, no prediction limits 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,

Kristina Rayner
Senior Statistician

Andrew Collins
Project Manager

Date Ranges

Date: 3/7/2023 11:06 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Barium (mg/L)
- GWA-2 background:1/16/2015-8/17/2021
- GWA-5 background:1/19/2013-8/19/2021
- 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

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

100% Non-Detects: Appendix I

Analysis Run 3/7/2023 10:33 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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

Arsenic (mg/L)
GWA-2

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

Copper (mg/L)
GWC-10

Lead (mg/L)
GWA-15, GWC-1, GWC-10, GWC-12, 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-15, GWA-16, GWA-2, GWA-3, GWA-4A, GWA-5, GWC-1, GWC-10, GWC-12, GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-23, GWC-9

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

Appendix I Intrawell Prediction Limits - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

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**	**2/7/2023**	**0.0015**	**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**	**2/7/2023**	**0.0063**	**Yes**	**17**	**0.003746**	**0.0009541**	**41.18**	**Kaplan-Meier**	**No**	**0.0003901**	**Param Intra 1 of 2**

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

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	2/6/2023	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	2/7/2023	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	2/7/2023	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	2/7/2023	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-1	0.002	n/a	2/7/2023	0.002ND	No	44	n/a	n/a	100	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.002	n/a	2/7/2023	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	2/6/2023	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	2/7/2023	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-15	0.001	n/a	2/7/2023	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)	GWA-16	0.001	n/a	2/7/2023	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	2/7/2023	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)	GWA-4A	0.0027	n/a	2/7/2023	0.001ND	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	2/7/2023	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-1	0.001	n/a	2/7/2023	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	2/8/2023	0.001ND	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	2/8/2023	0.0017	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	2/7/2023	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)	GWC-17	0.001	n/a	2/8/2023	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	2/7/2023	0.0011	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	2/8/2023	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-20	0.001	n/a	2/8/2023	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	2/8/2023	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	2/8/2023	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)	GWC-9	0.001	n/a	2/8/2023	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	2/6/2023	0.016	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	2/7/2023	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-15	0.0298	n/a	2/7/2023	0.025	No	23	0.02488	0.002035	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-16	0.039	n/a	2/7/2023	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	2/7/2023	0.033	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	2/7/2023	0.012	No	41	0.1253	0.01911	0	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-4A	0.03912	n/a	2/7/2023	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	2/7/2023	0.039	No	26	0.04259	0.01205	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-1	0.05868	n/a	2/7/2023	0.031	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	2/8/2023	0.017	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	2/8/2023	0.011	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	2/7/2023	0.011	No	44	n/a	n/a	0	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-17	0.021	n/a	2/8/2023	0.02	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	2/7/2023	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	2/8/2023	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	2/8/2023	0.015	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	2/8/2023	0.019	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	2/8/2023	0.016	No	11	0.02973	0.007511	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-9	0.03659	n/a	2/8/2023	0.024	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	2/6/2023	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	2/7/2023	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-15	0.0025	n/a	2/7/2023	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)	GWA-16	0.0025	n/a	2/7/2023	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	2/7/2023	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	2/7/2023	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)	GWA-4A	0.0025	n/a	2/7/2023	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	2/7/2023	0.0025ND	No	46	n/a	n/a	93.48	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-1	0.0025	n/a	2/7/2023	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	2/8/2023	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	2/8/2023	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	2/7/2023	0.0025ND	No	44	n/a	n/a	81.82	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

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-17	0.001	n/a	2/8/2023	0.00071J	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	2/7/2023	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	2/8/2023	0.00022J	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	2/8/2023	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	2/8/2023	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	2/8/2023	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)	GWC-9	0.0025	n/a	2/8/2023	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	2/6/2023	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	2/7/2023	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	2/7/2023	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)	GWA-4A	0.0025	n/a	2/7/2023	0.0025ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-1	0.0025	n/a	2/7/2023	0.0025ND	No	44	n/a	n/a	100	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-17	0.0008068	n/a	2/8/2023	0.00058J	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	2/7/2023	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	2/8/2023	0.00018J	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	2/8/2023	0.00011J	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	2/8/2023	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	2/8/2023	0.00013J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-9	0.0025	n/a	2/8/2023	0.000095J	No	44	n/a	n/a	100	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-13	0.0094	n/a	2/6/2023	0.0025	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	2/7/2023	0.0021	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-15	0.0051	n/a	2/7/2023	0.0021	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-16	0.024	n/a	2/7/2023	0.0025	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	2/7/2023	0.0028	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	2/7/2023	0.0019J	No	43	-6.638	0.4673	34.88	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWA-4A	0.0096	n/a	2/7/2023	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	2/7/2023	0.002	No	45	n/a	n/a	68.89	n/a	n/a	0.0009557	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-1	0.005	n/a	2/7/2023	0.0024	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	2/8/2023	0.0038	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	0.01048	n/a	2/8/2023	0.0059	No	44	0.005681	0.002159	2.273	None	No	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.01	n/a	2/7/2023	0.002	No	44	n/a	n/a	18.18	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-17	0.01	n/a	2/8/2023	0.0044	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	2/7/2023	0.0043	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	2/8/2023	0.0026	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	2/8/2023	0.002	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	2/8/2023	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	2/8/2023	0.0033	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.0043	n/a	2/8/2023	0.0013J	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	2/6/2023	0.00049J	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	2/7/2023	0.00043J	No	23	n/a	n/a	39.13	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-15	0.0025	n/a	2/7/2023	0.0004J	No	23	n/a	n/a	17.39	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-16	0.00125	n/a	2/7/2023	0.00047J	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	2/7/2023	0.0012J	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	2/7/2023	0.00026J	No	43	n/a	n/a	79.07	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4A	0.013	n/a	2/7/2023	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	2/7/2023	0.00094J	No	46	n/a	n/a	43.48	n/a	n/a	0.0009151	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-1	0.0025	n/a	2/7/2023	0.0016J	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	2/8/2023	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	2/8/2023	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	2/7/2023	0.00058J	No	43	n/a	n/a	48.84	n/a	n/a	0.001037	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-17	0.002151	n/a	2/8/2023	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	2/7/2023	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	2/8/2023	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	2/8/2023	0.00075J	No	17	0.001572	0.0006589	0	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-21	0.002284	n/a	2/8/2023	0.00077J	No	22	0.00138	0.0003706	9.091	None	No	0.0003901	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	GWC-23	0.01076	n/a	2/8/2023	0.0014J	No	18	0.005633	0.002013	0	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-9	0.0055	n/a	2/8/2023	0.0025ND	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	2/6/2023	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	2/7/2023	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-15	0.002	n/a	2/7/2023	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-16	0.002	n/a	2/7/2023	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	2/7/2023	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	2/7/2023	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)	GWA-4A	0.0051	n/a	2/7/2023	0.002ND	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	2/7/2023	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-1	0.002	n/a	2/7/2023	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	2/8/2023	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	2/7/2023	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-17	0.0021	n/a	2/8/2023	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	2/7/2023	0.002ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19	0.002	n/a	2/8/2023	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	2/8/2023	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	2/8/2023	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	2/8/2023	0.002ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.0021	n/a	2/8/2023	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	2/6/2023	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	2/7/2023	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	2/7/2023	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**	**2/7/2023**	**0.0015**	**Yes**	**44**	**n/a**	**n/a**	**97.73**	**n/a**	**n/a**	**0.0009963**	**NP Intra (NDs) 1 of 2**
Lead (mg/L)	GWA-3	0.001	n/a	2/7/2023	0.001ND	No	43	n/a	n/a	100	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4A	0.001	n/a	2/7/2023	0.001ND	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	2/7/2023	0.001ND	No	46	n/a	n/a	91.3	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	2/8/2023	0.001ND	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	2/7/2023	0.00035J	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	2/8/2023	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	2/8/2023	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	2/8/2023	0.001ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-13	0.001	n/a	2/6/2023	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	2/7/2023	0.00061J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.001	n/a	2/7/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	2/7/2023	0.00054J	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	2/7/2023	0.00083J	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	2/7/2023	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)	GWA-4A	0.0072	n/a	2/7/2023	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	2/7/2023	0.00046J	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0025	n/a	2/7/2023	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	2/8/2023	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	2/8/2023	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	2/7/2023	0.00082J	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-17	0.004264	n/a	2/8/2023	0.0017	No	17	0.04572	0.007587	5.882	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.0025	n/a	2/7/2023	0.0011	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	0.002851	n/a	2/8/2023	0.0012	No	17	0.001691	0.0004494	5.882	None	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-20	0.006632	n/a	2/8/2023	0.00083J	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	2/8/2023	0.00064J	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	2/8/2023	0.0013	No	12	0.001522	0.0005802	16.67	Kaplan-Meier	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-9	0.0033	n/a	2/8/2023	0.00084J	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	2/6/2023	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-15	0.005	n/a	2/7/2023	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	2/7/2023	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	2/7/2023	0.005ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWA-3	0.005	n/a	2/7/2023	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)	GWA-4A	0.005	n/a	2/7/2023	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	2/7/2023	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-1	0.005	n/a	2/7/2023	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	2/8/2023	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	2/8/2023	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)	GWC-18	0.005	n/a	2/7/2023	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	2/8/2023	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	2/8/2023	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	2/8/2023	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-9	0.0058	n/a	2/8/2023	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	2/8/2023	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	2/6/2023	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	2/7/2023	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	2/7/2023	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	2/7/2023	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	2/7/2023	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-4A	0.001	n/a	2/7/2023	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	2/7/2023	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-10	0.001	n/a	2/8/2023	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	2/8/2023	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-12	0.001	n/a	2/7/2023	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	2/8/2023	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	2/7/2023	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	2/8/2023	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	2/8/2023	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	2/8/2023	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	2/8/2023	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)	GWC-9	0.001	n/a	2/8/2023	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	2/6/2023	0.002ND	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	2/7/2023	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0041	n/a	2/7/2023	0.002ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.002	n/a	2/7/2023	0.002ND	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	2/7/2023	0.002ND	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	2/7/2023	0.002ND	No	37	n/a	n/a	81.08	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4A	0.0033	n/a	2/7/2023	0.002ND	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	2/7/2023	0.002ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-1	0.0032	n/a	2/7/2023	0.002ND	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	2/8/2023	0.001J	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	2/8/2023	0.00095J	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	0.002	n/a	2/7/2023	0.002ND	No	36	n/a	n/a	91.67	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17	0.004	n/a	2/8/2023	0.002ND	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	2/7/2023	0.0038	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	2/8/2023	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	2/8/2023	0.002ND	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	2/8/2023	0.002ND	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	0.006259	n/a	2/8/2023	0.002ND	No	12	0.03924	0.01387	50	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.006	n/a	2/8/2023	0.002ND	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	2/6/2023	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	2/7/2023	0.0031J	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-15	0.01172	n/a	2/7/2023	0.005ND	No	17	-5.418	0.3761	35.29	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	**GWA-16**	**0.006209**	**n/a**	**2/7/2023**	**0.0063**	**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	2/7/2023	0.0051	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	2/7/2023	0.0032J	No	37	n/a	n/a	48.65	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4A	0.01481	n/a	2/7/2023	0.0031J	No	37	0.1712	0.03284	24.32	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWA-5	0.022	n/a	2/7/2023	0.0037J	No	38	n/a	n/a	34.21	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-1	0.015	n/a	2/7/2023	0.0055	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	2/8/2023	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	2/8/2023	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	2/7/2023	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)	GWC-17	0.02	n/a	2/8/2023	0.0061	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	2/7/2023	0.0032J	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	2/8/2023	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	2/8/2023	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)	GWC-21	0.0097	n/a	2/8/2023	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)	GWC-23	0.01473	n/a	2/8/2023	0.0046J	No	12	0.07662	0.01557	33.33	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWC-9	0.051	n/a	2/8/2023	0.005ND	No	38	n/a	n/a	63.16	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 11:02 AM

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	2/6/2023	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	2/7/2023	1ND	No	16	1.001	0.2444	31.25	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-15	1.2	n/a	2/7/2023	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-16	1	n/a	2/7/2023	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	2/7/2023	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	2/7/2023	1ND	No	18	0.6226	0.4296	44.44	Kaplan-Meier	x^3	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-4A	13.33	n/a	2/7/2023	1.7	No	18	6.884	2.809	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-5	1	n/a	2/7/2023	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-1	2.421	n/a	2/7/2023	0.64J	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	2/8/2023	1.8	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	2/8/2023	1.9	No	18	4.554	0.7201	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	2/7/2023	1ND	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	1.8	n/a	2/8/2023	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	2/7/2023	2	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	2/8/2023	2	No	18	1.956	0.4137	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	2.893	n/a	2/8/2023	0.5ND	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	2/8/2023	1ND	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	2/8/2023	1.7	No	17	2.418	0.5151	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-9	4.1	n/a	2/8/2023	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 Limits - All Results (No Significant)

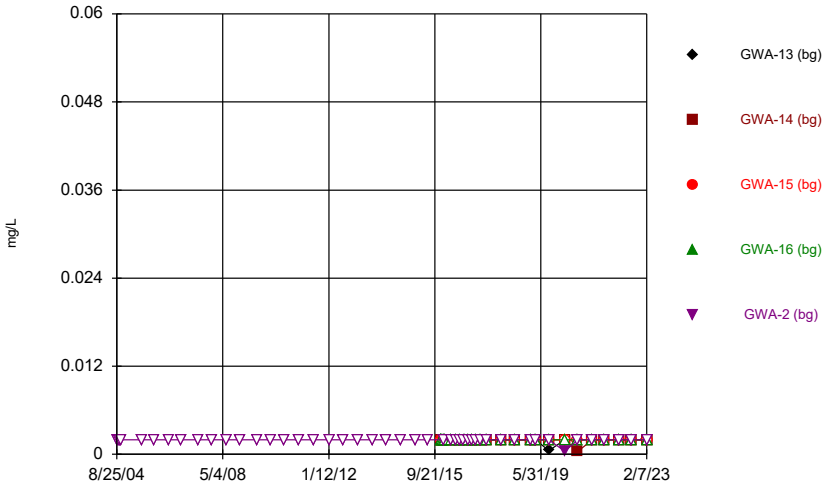
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 11:06 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.11	n/a	2/7/2023	0.08ND	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.11	n/a	2/8/2023	0.043J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.11	n/a	2/8/2023	0.022J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.11	n/a	2/7/2023	0.08ND	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.11	n/a	2/8/2023	0.024J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.11	n/a	2/8/2023	0.08ND	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.11	n/a	2/8/2023	0.027J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.11	n/a	2/8/2023	0.08ND	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.11	n/a	2/8/2023	0.026J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	2/7/2023	1	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	2/8/2023	22	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	2/8/2023	9.6	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	2/7/2023	0.73	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	2/8/2023	6.4	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	2/8/2023	1.4	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	2/8/2023	1	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	2/8/2023	1.2	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	2/8/2023	2.9	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	9.4	n/a	2/7/2023	4.5	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	9.4	n/a	2/8/2023	5.6	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	9.4	n/a	2/8/2023	4.3	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	9.4	n/a	2/7/2023	3.5	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	9.4	n/a	2/8/2023	5.2	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	9.4	n/a	2/8/2023	6.8	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	9.4	n/a	2/8/2023	5.9	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	9.4	n/a	2/8/2023	4.9	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	9.4	n/a	2/8/2023	7.4	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.74	n/a	2/7/2023	0.1ND	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	2/8/2023	0.1	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	2/8/2023	0.31	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	2/7/2023	0.1ND	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	2/8/2023	0.1	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	2/8/2023	0.052J	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	2/8/2023	0.1ND	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	2/8/2023	0.1ND	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	2/8/2023	0.061J	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	2/7/2023	5.07	No	230	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	2/8/2023	6.31	No	230	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	2/8/2023	6.24	No	230	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	2/7/2023	5.07	No	230	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	2/8/2023	5.59	No	230	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	2/8/2023	4.84	No	230	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	2/8/2023	4.85	No	230	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	2/8/2023	5.08	No	230	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	2/8/2023	5.31	No	230	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	2/7/2023	34	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	2/8/2023	130	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	2/8/2023	71	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	2/7/2023	27	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	2/8/2023	54	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	2/8/2023	31	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	2/8/2023	32	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	2/8/2023	31	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	2/8/2023	44	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2

FIGURE A.

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

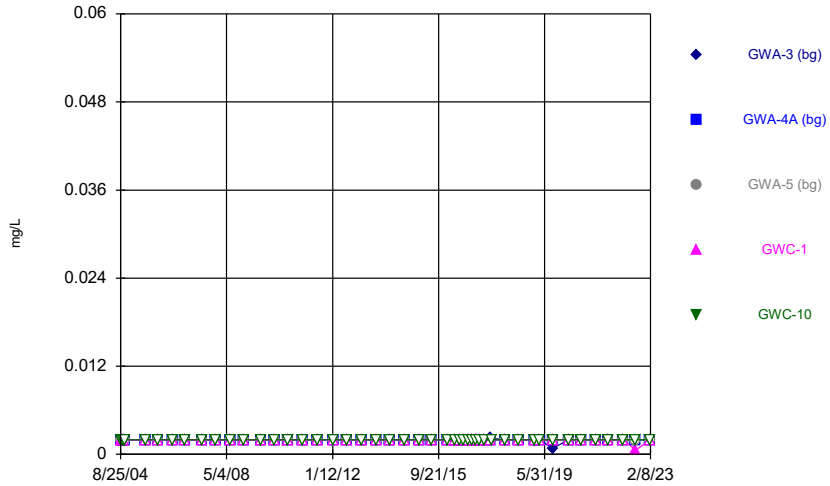
Time Series



Constituent: Antimony Analysis Run 3/7/2023 10:21 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 3/7/2023 10:21 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
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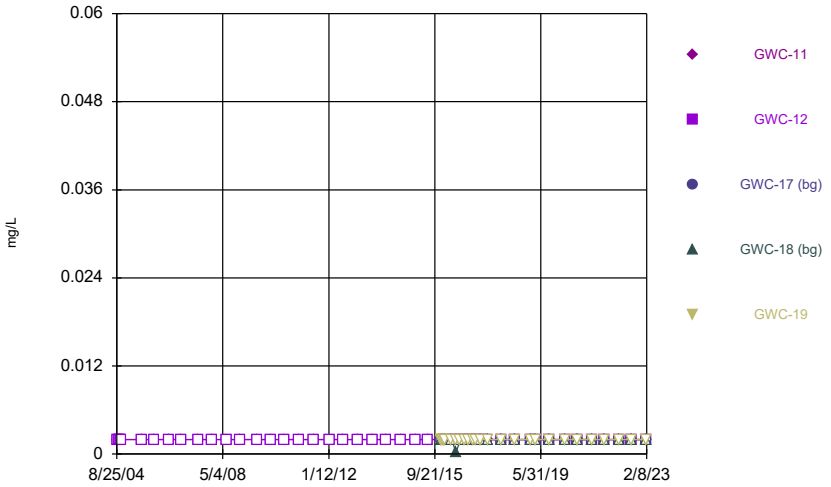
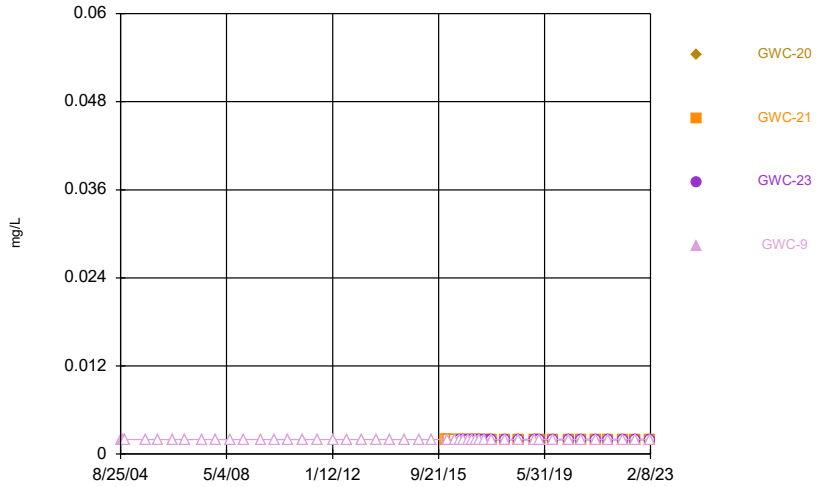
Time Series



Constituent: Antimony Analysis Run 3/7/2023 10:21 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

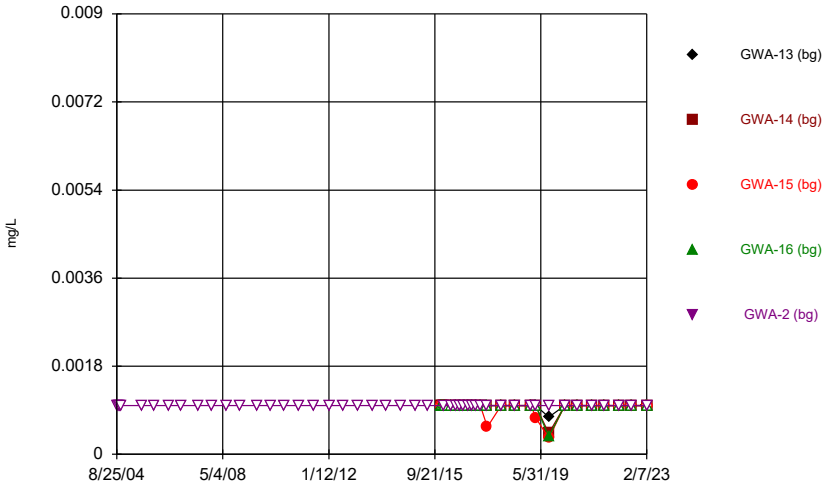
Time Series



Constituent: Antimony Analysis Run 3/7/2023 10:21 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

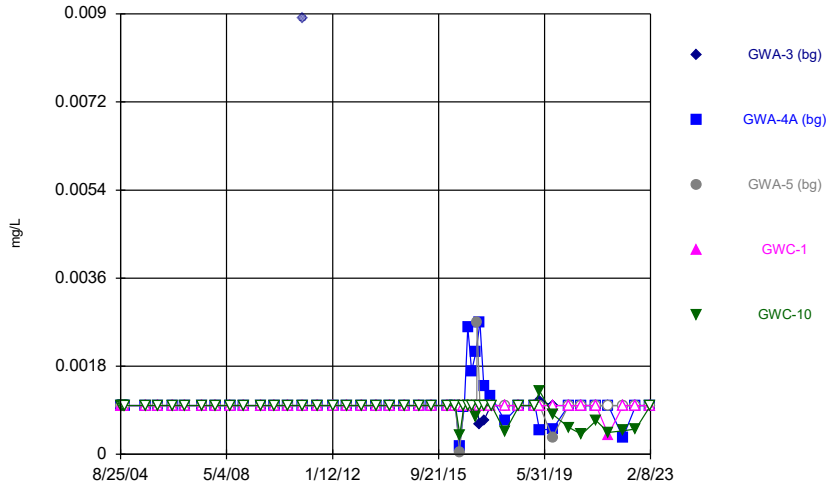
Time Series



Constituent: Arsenic Analysis Run 3/7/2023 10:21 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

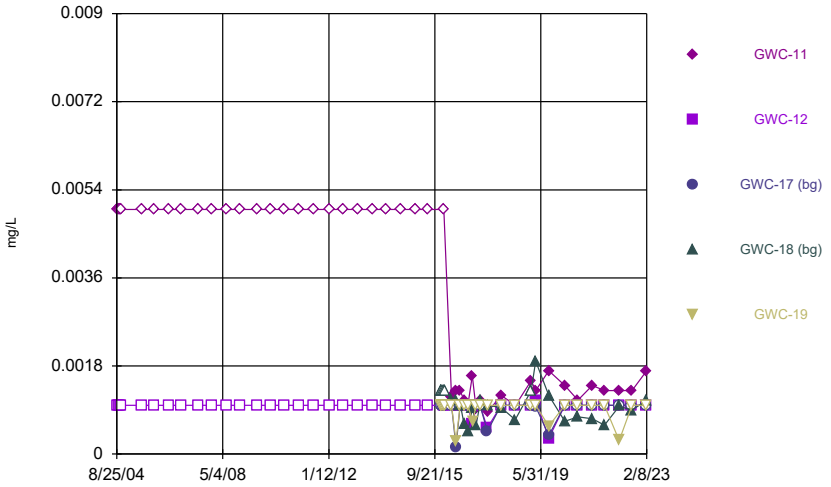
Time Series



Constituent: Arsenic Analysis Run 3/7/2023 10:21 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

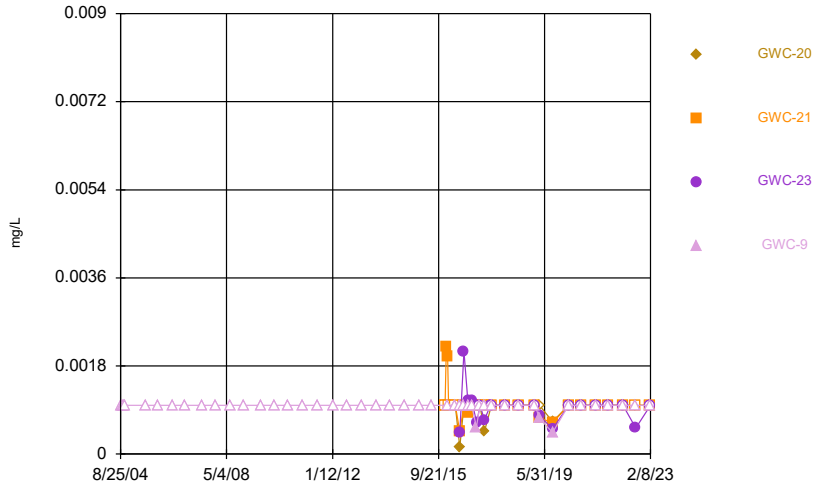
Time Series



Constituent: Arsenic Analysis Run 3/7/2023 10:21 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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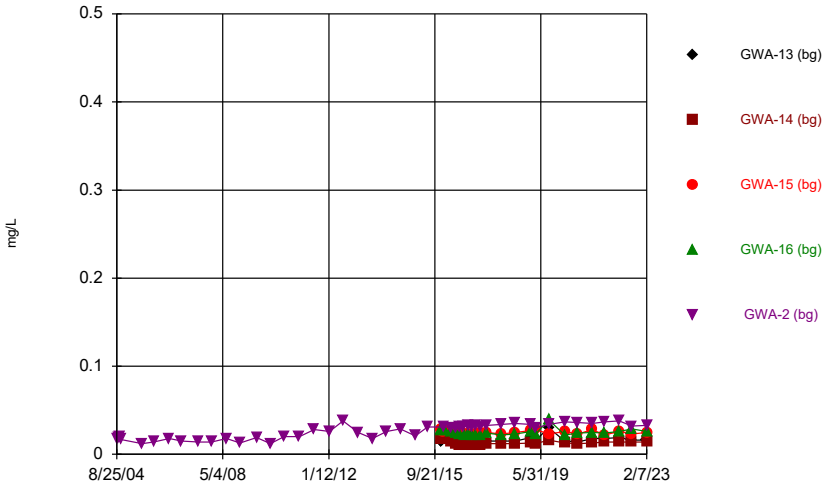
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series

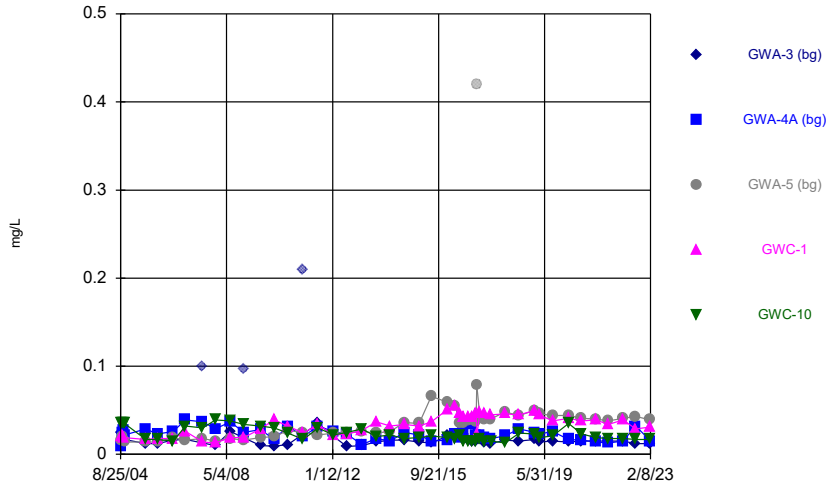


Constituent: Barium Analysis Run 3/7/2023 10:21 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

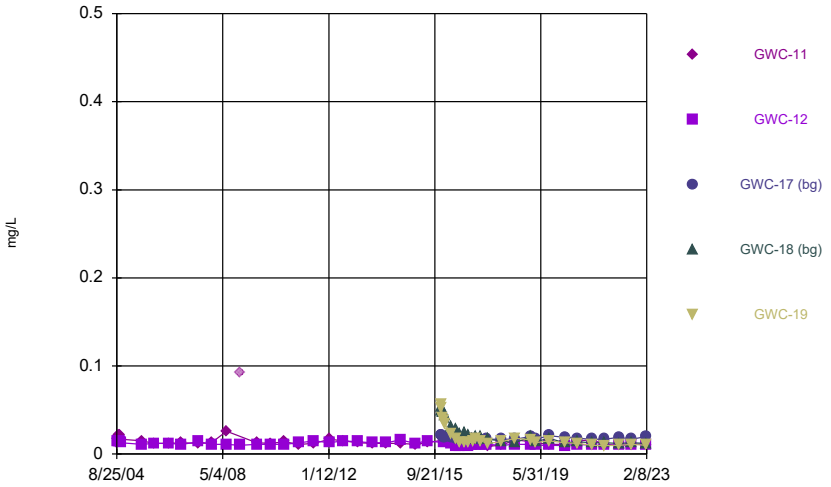


Constituent: Barium Analysis Run 3/7/2023 10:21 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

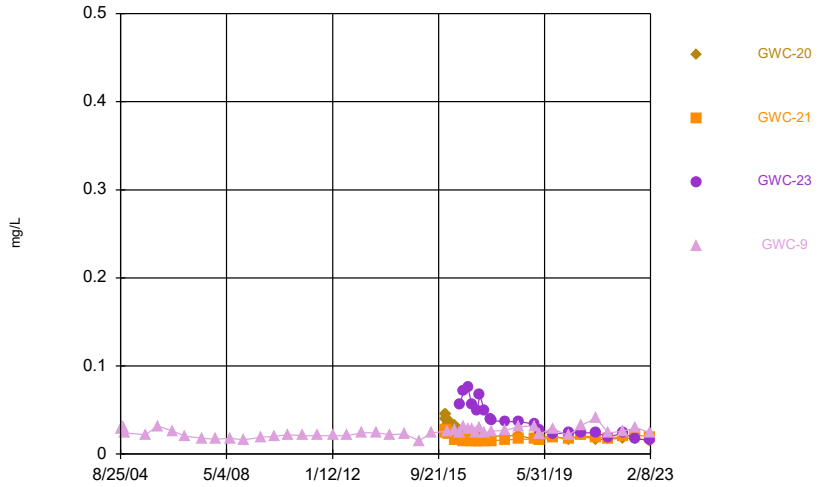


Constituent: Barium Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

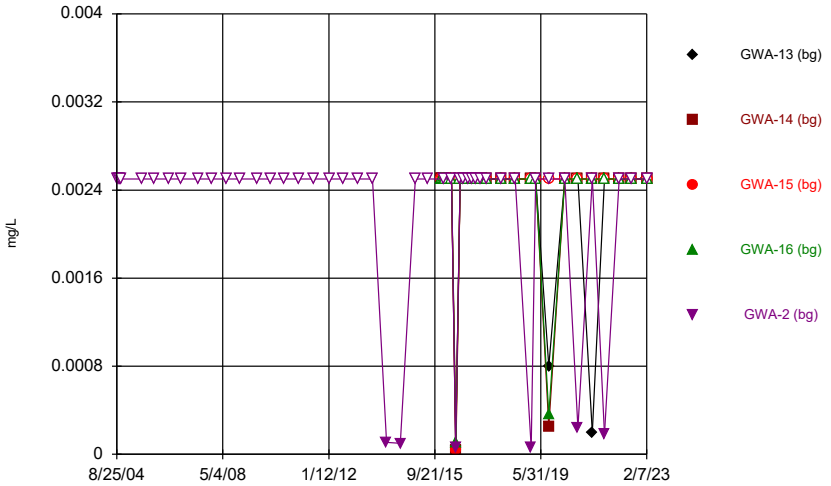


Constituent: Barium Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

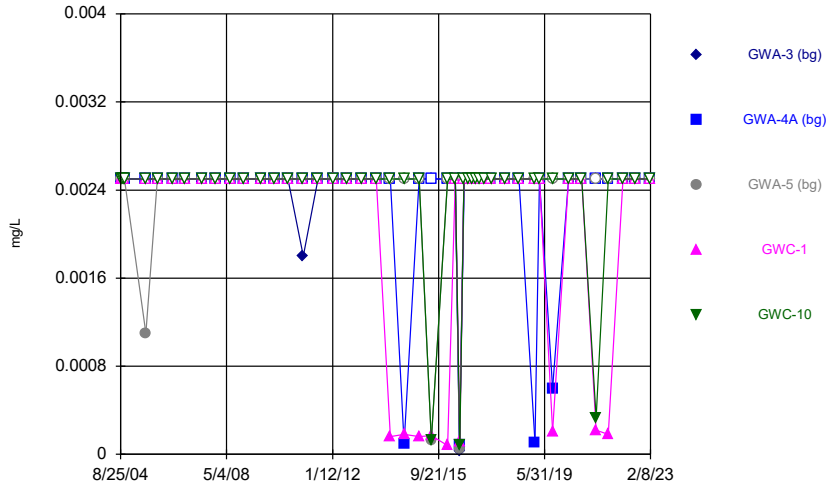
Time Series



Constituent: Beryllium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

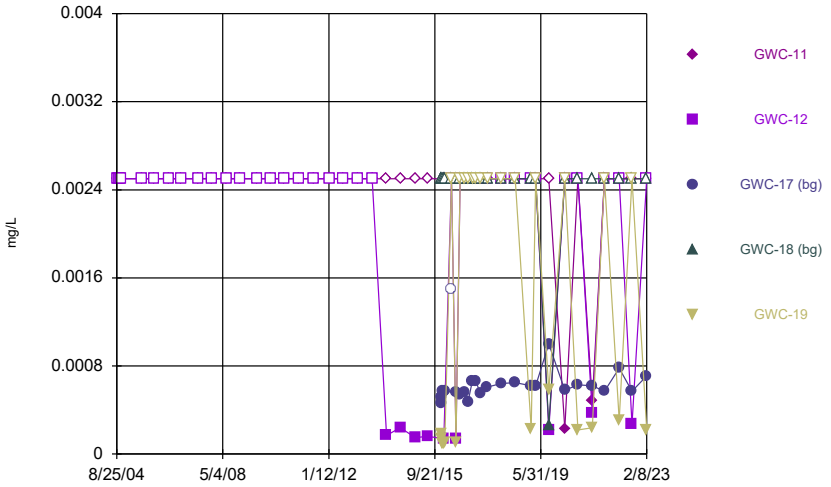
Time Series



Constituent: Beryllium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

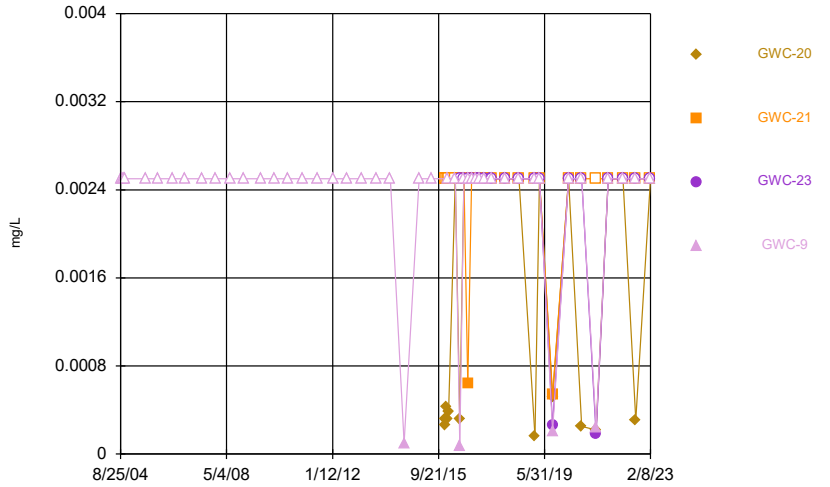
Time Series



Constituent: Beryllium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

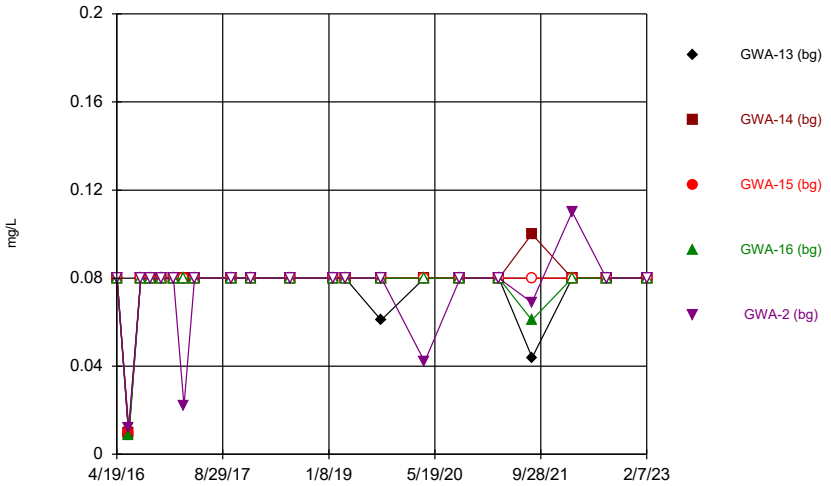
Time Series



Constituent: Beryllium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

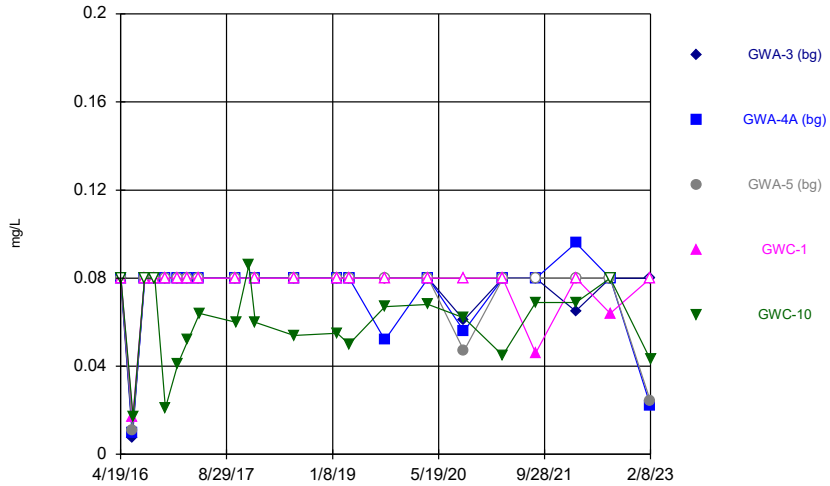
Time Series



Constituent: Boron Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Boron Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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Hollow symbols indicate censored values.

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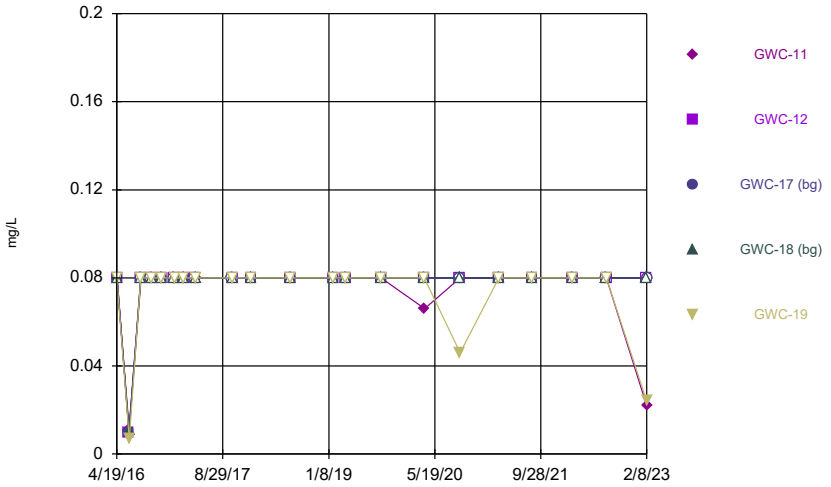

Constituent: Boron Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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Hollow symbols indicate censored values.

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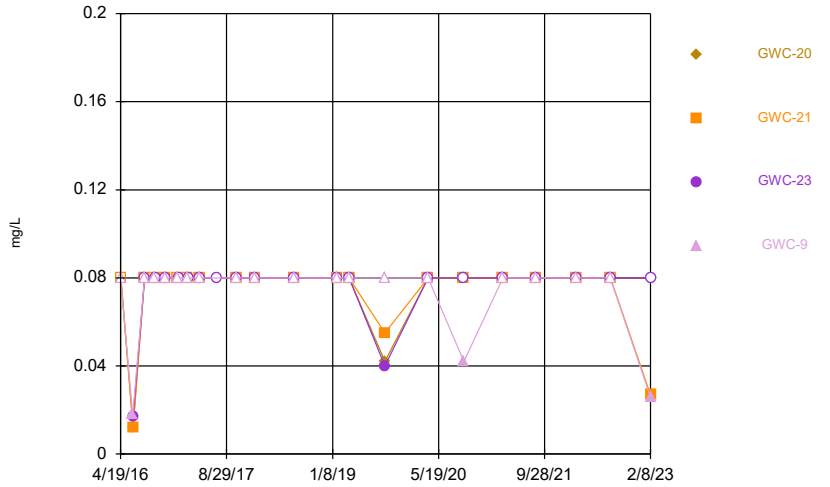
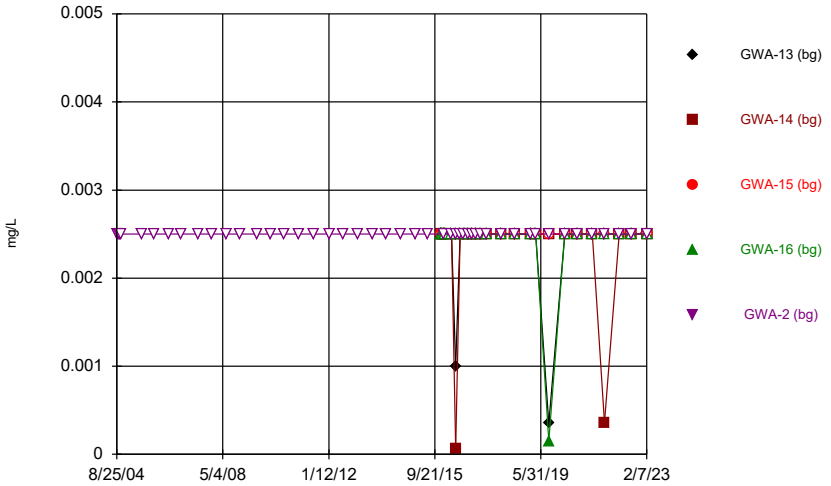


Constituent: Boron Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

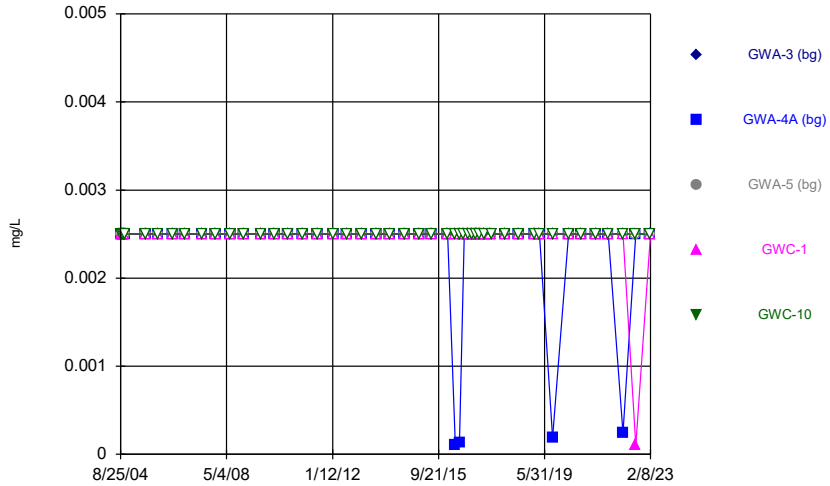
Time Series



Constituent: Cadmium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

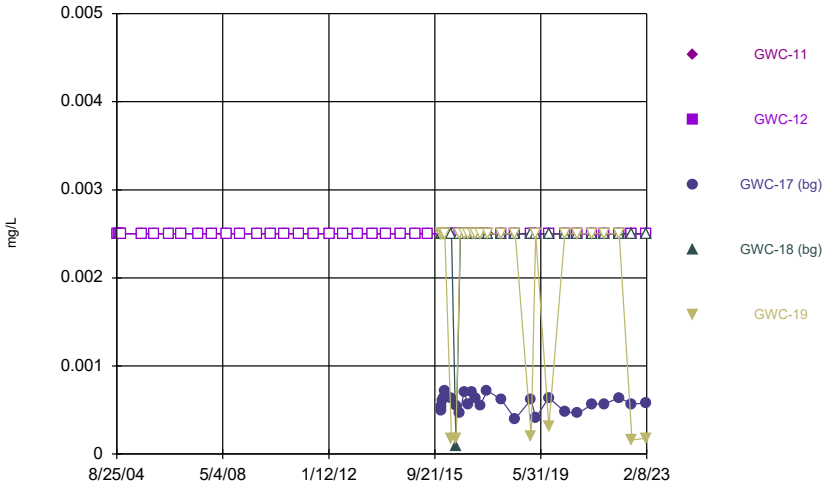
Time Series



Constituent: Cadmium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

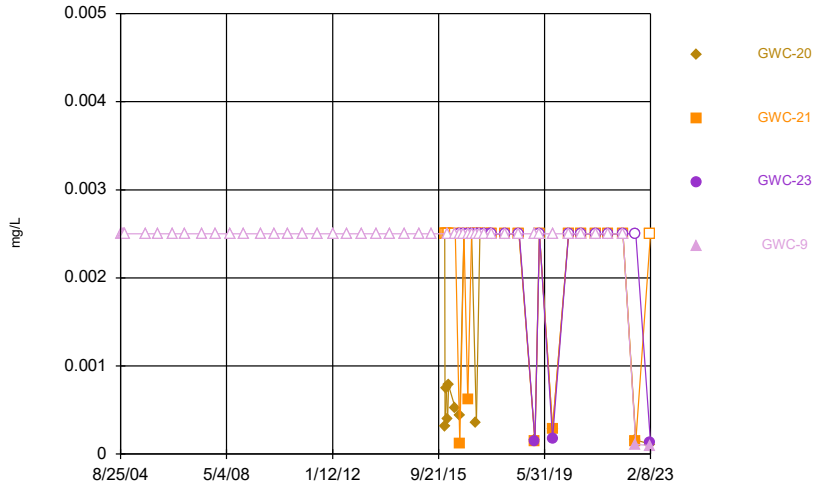
Time Series



Constituent: Cadmium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

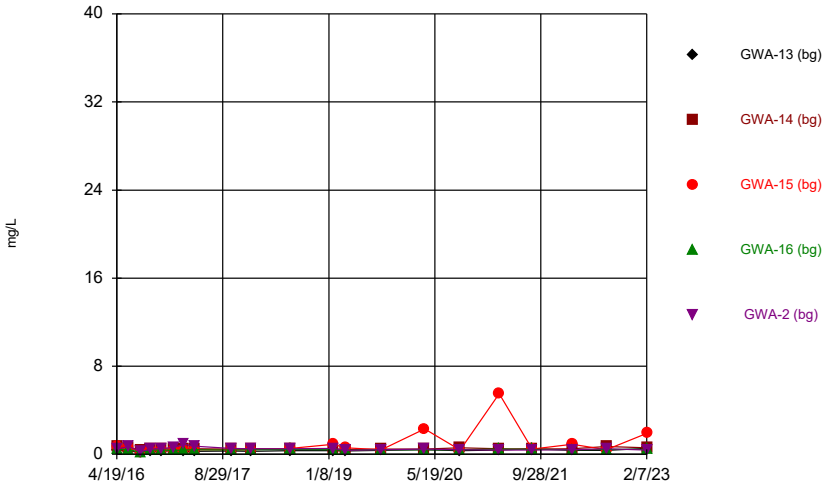
Time Series



Constituent: Cadmium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

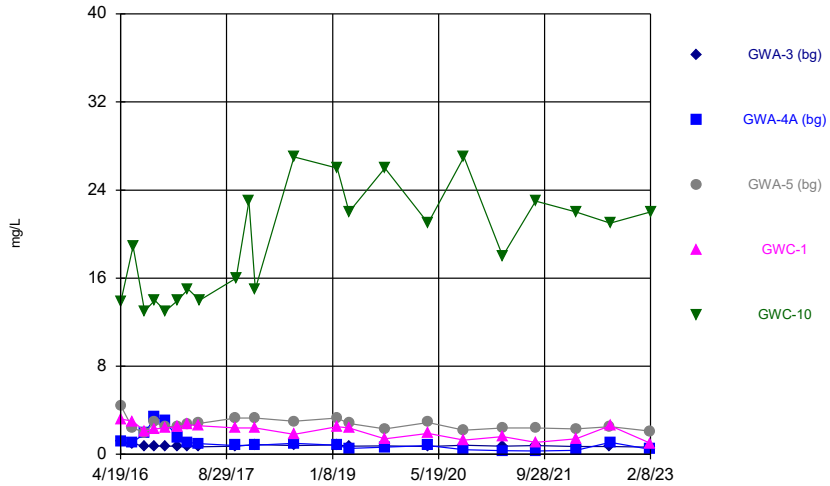


Constituent: Calcium Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

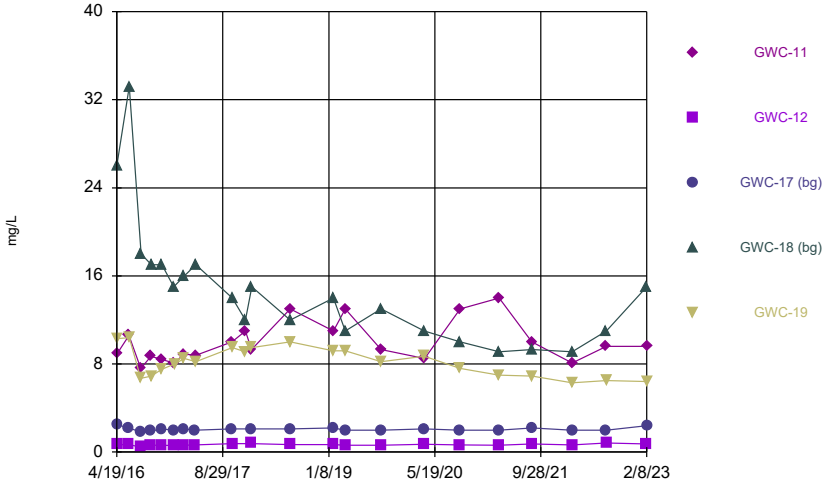


Constituent: Calcium Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

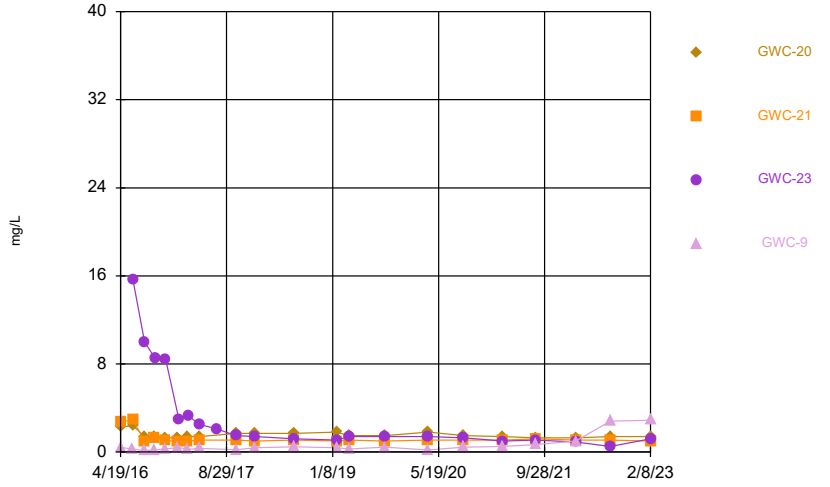


Constituent: Calcium Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

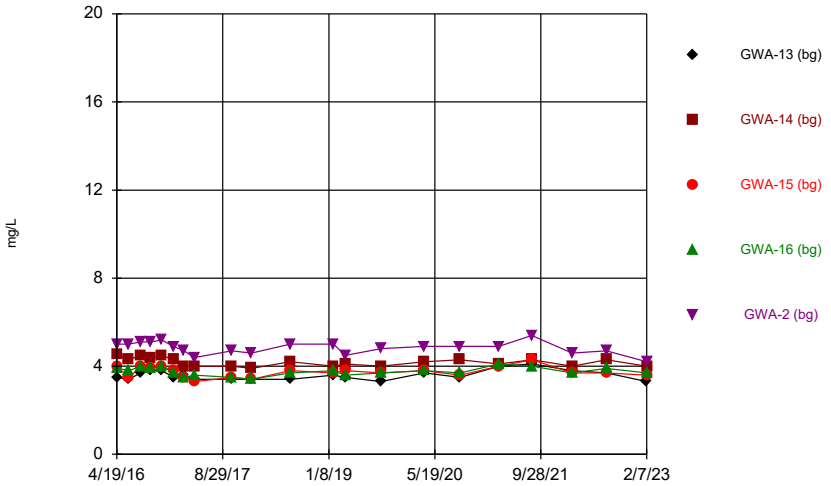


Constituent: Calcium Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

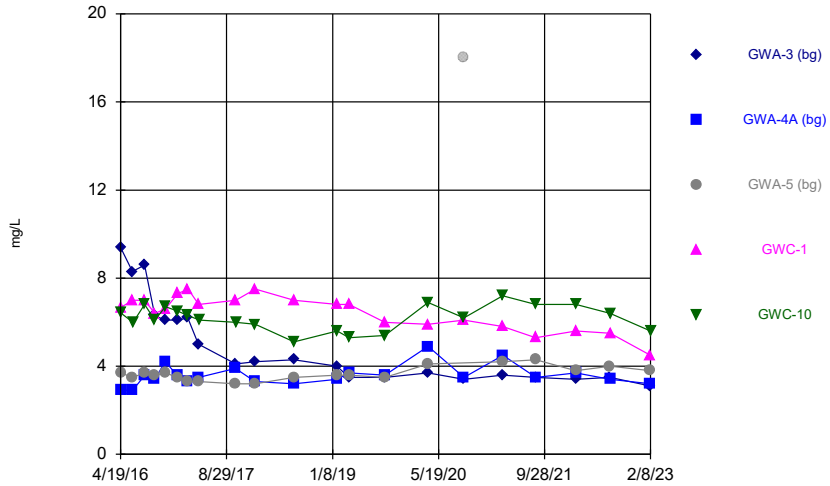


Constituent: Chloride Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

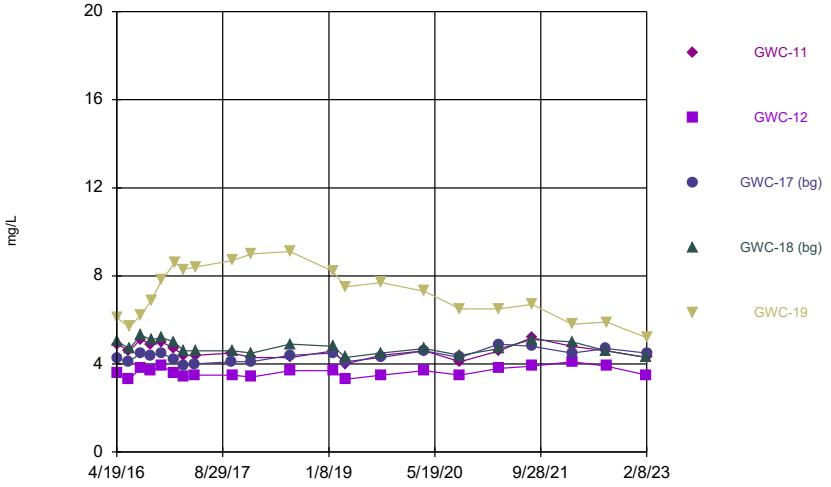


Constituent: Chloride Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

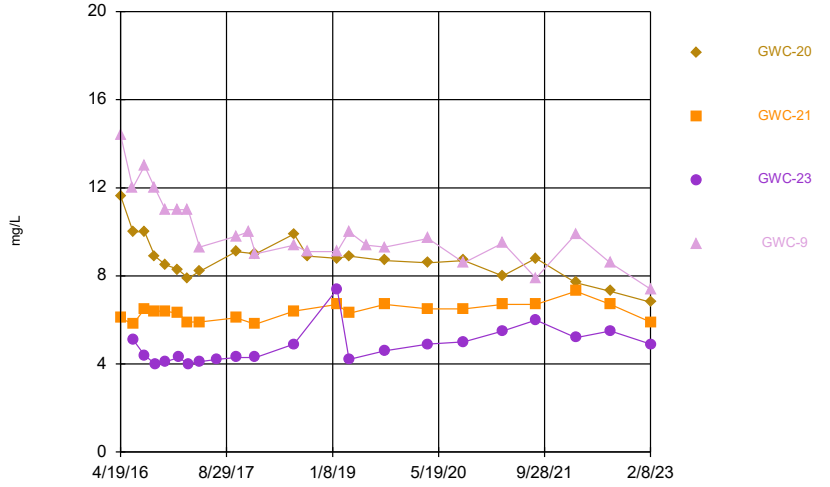


Constituent: Chloride Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Time Series

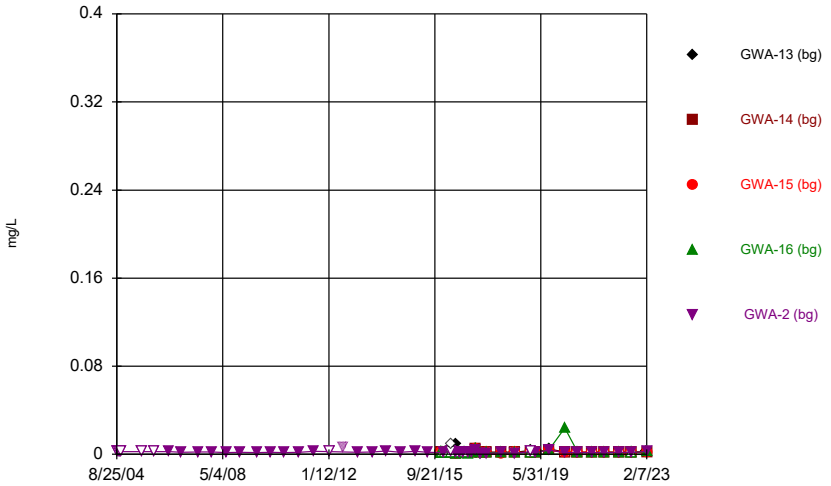


Constituent: Chloride Analysis Run 3/7/2023 10:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

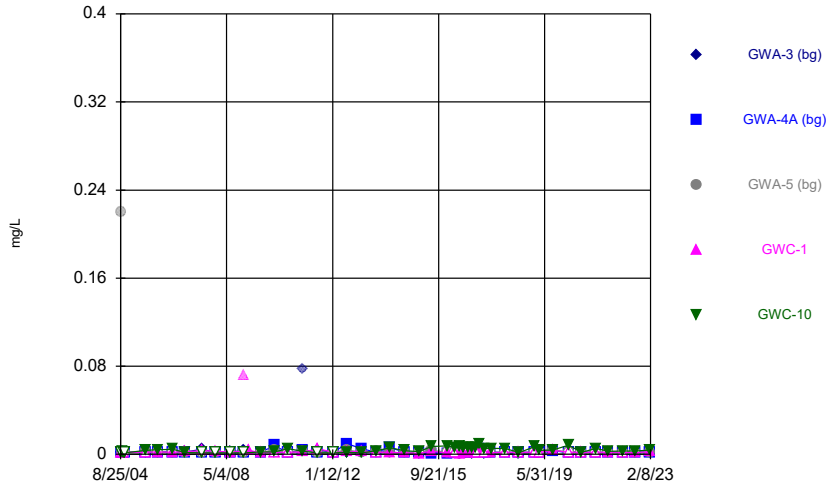
Time Series



Constituent: Chromium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

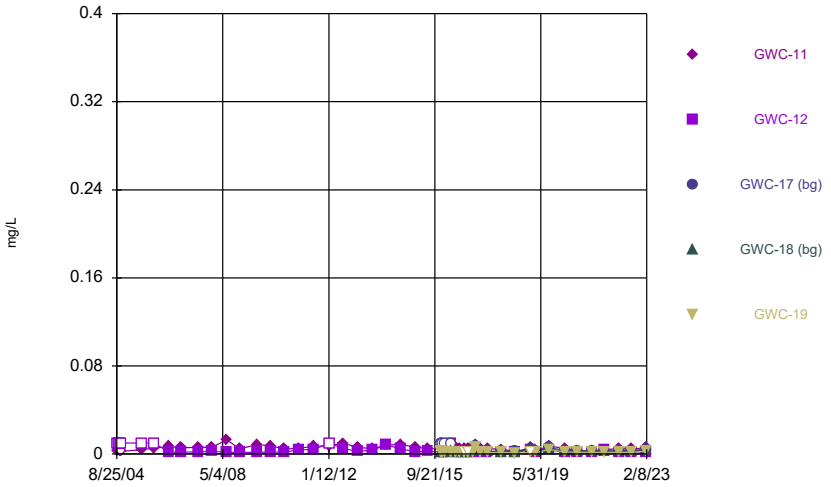
Time Series



Constituent: Chromium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

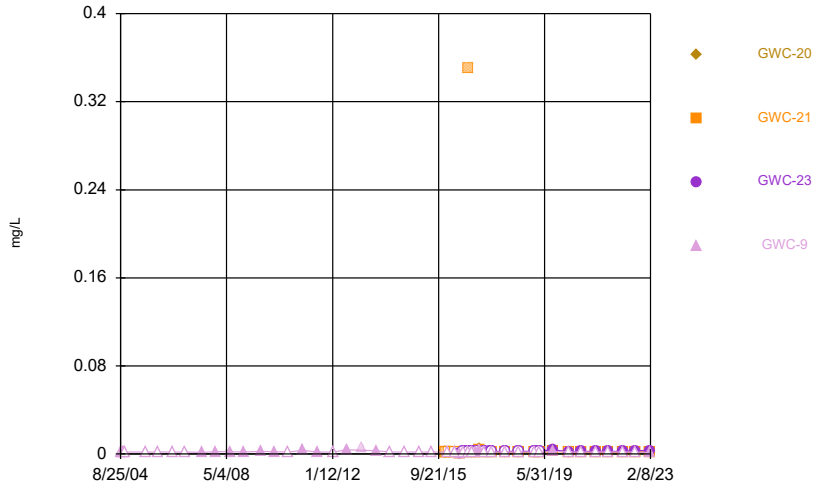
Time Series



Constituent: Chromium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

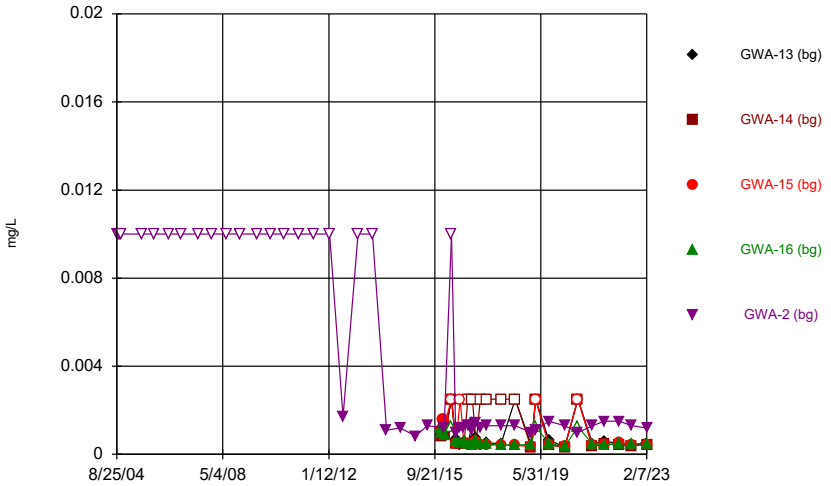
Time Series



Constituent: Chromium Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

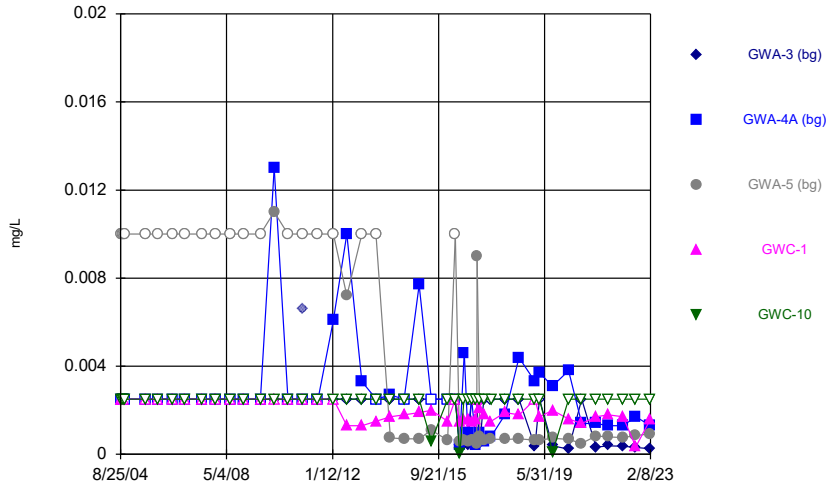
Time Series



Constituent: Cobalt Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

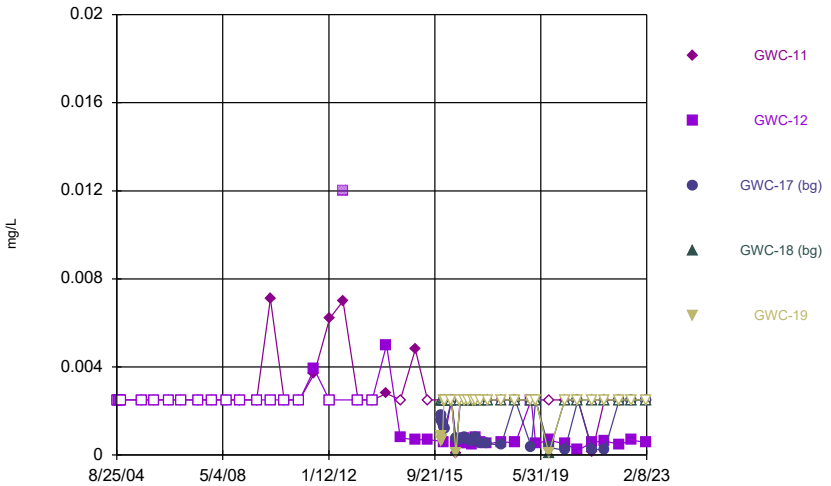
Time Series



Constituent: Cobalt Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

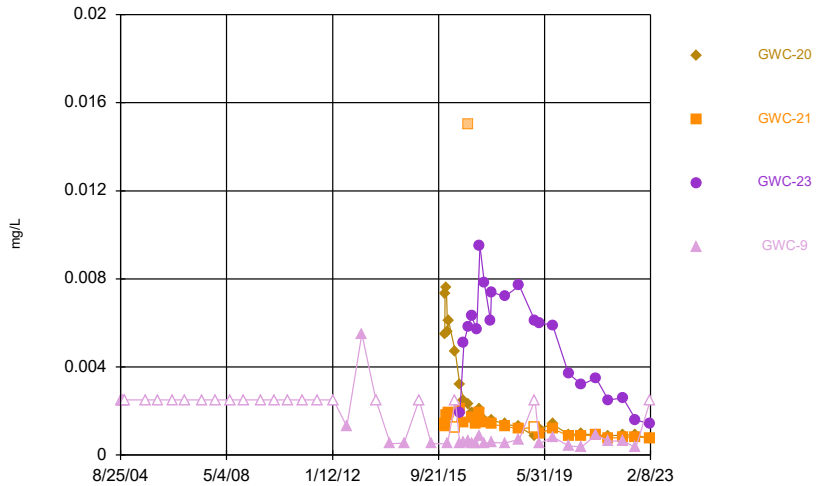
Time Series



Constituent: Cobalt Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

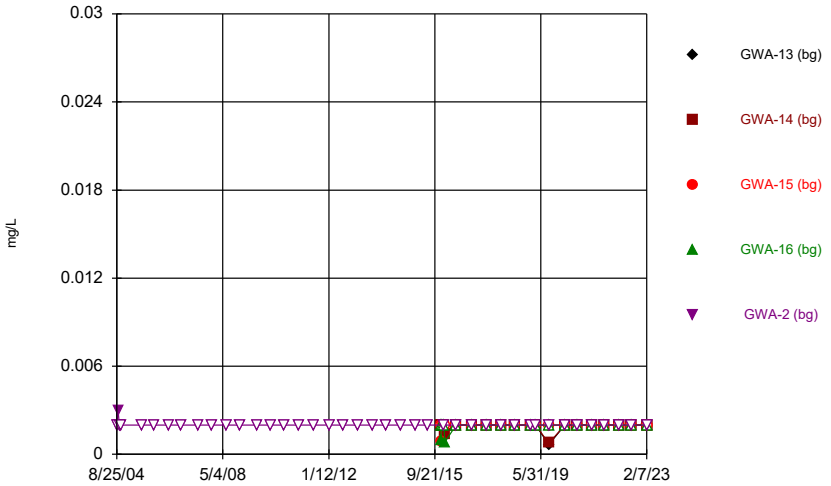
Time Series



Constituent: Cobalt Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

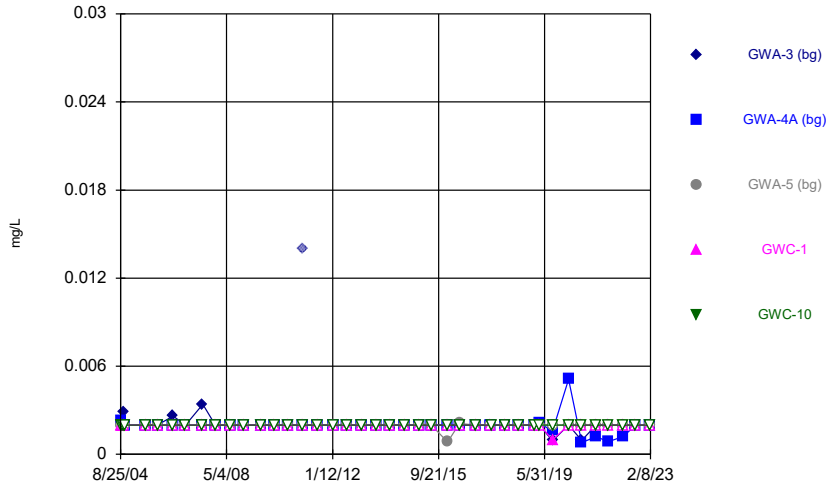
Time Series



Constituent: Copper Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

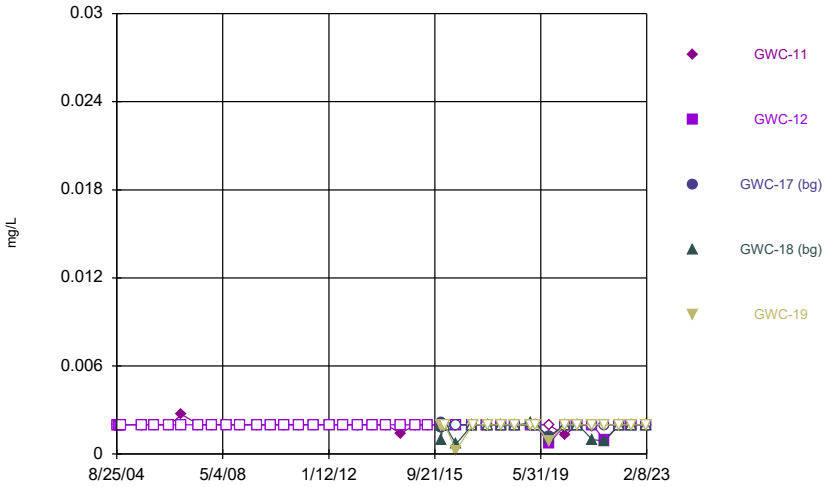
Time Series



Constituent: Copper Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

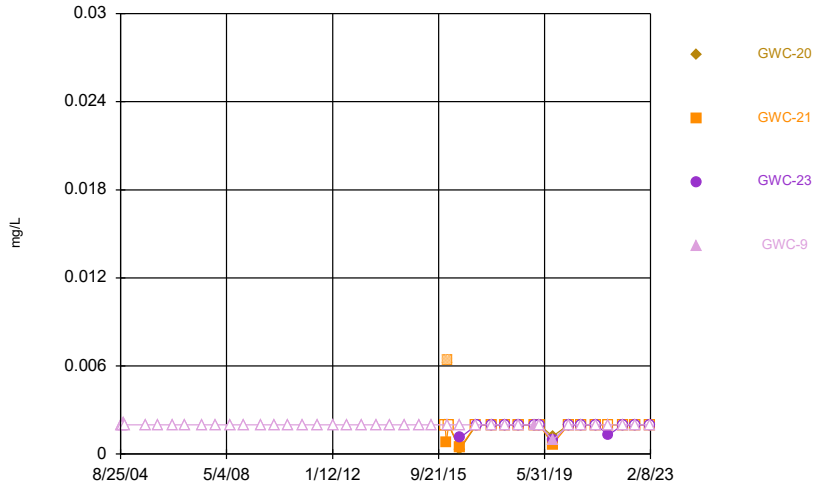
Time Series



Constituent: Copper Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

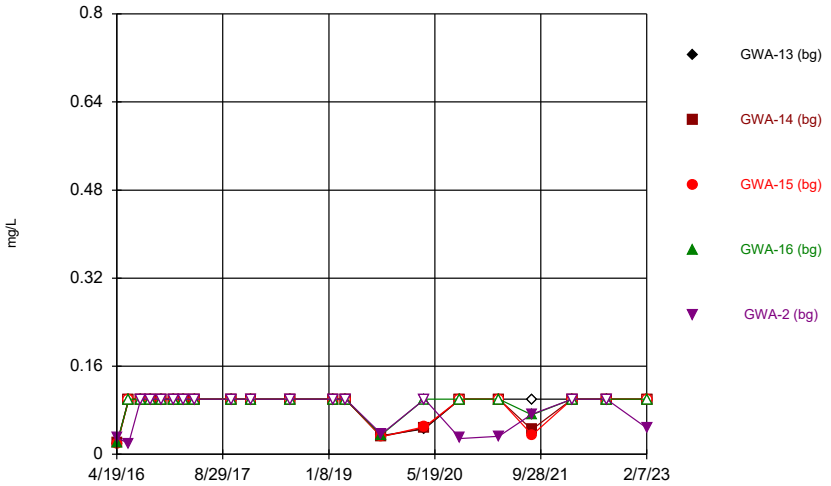
Time Series



Constituent: Copper Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

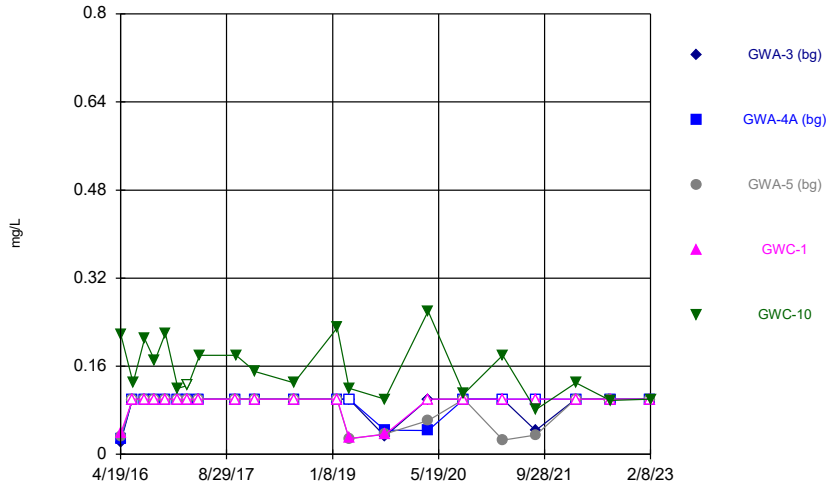
Time Series



Constituent: Fluoride Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

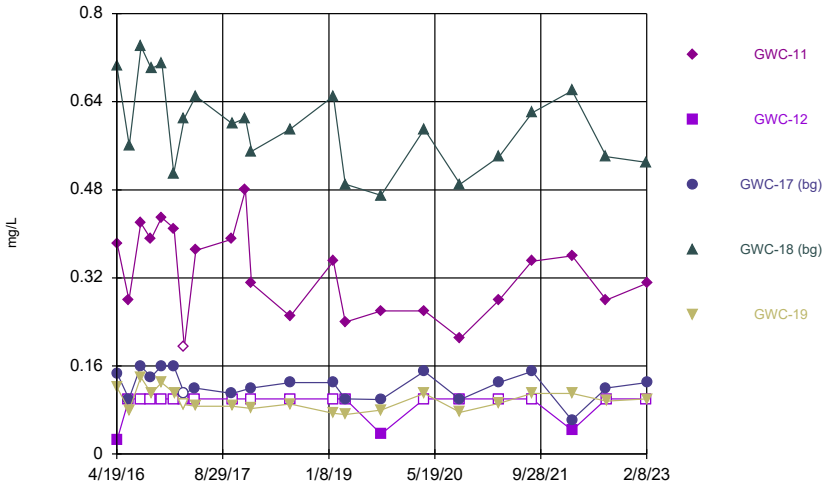
Time Series



Constituent: Fluoride Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

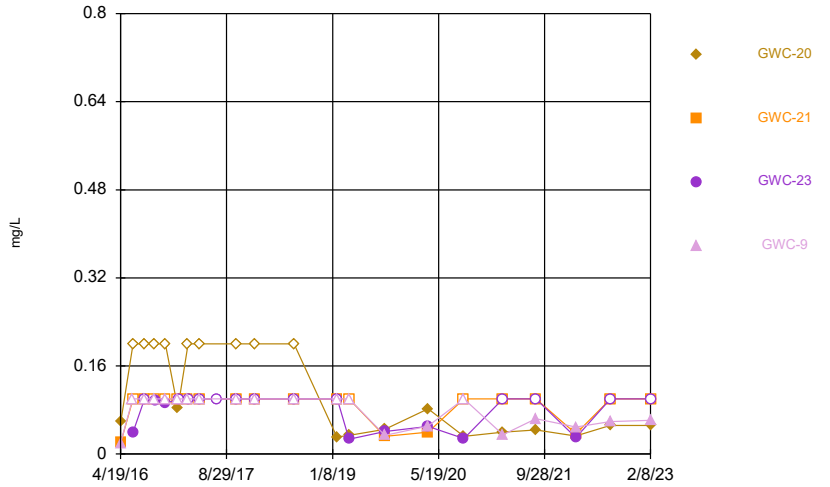
Time Series



Constituent: Fluoride Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

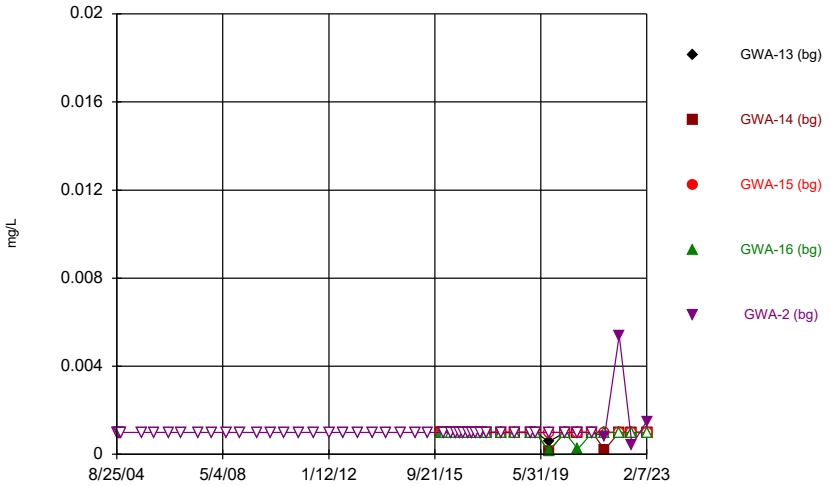
Time Series



Constituent: Fluoride Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

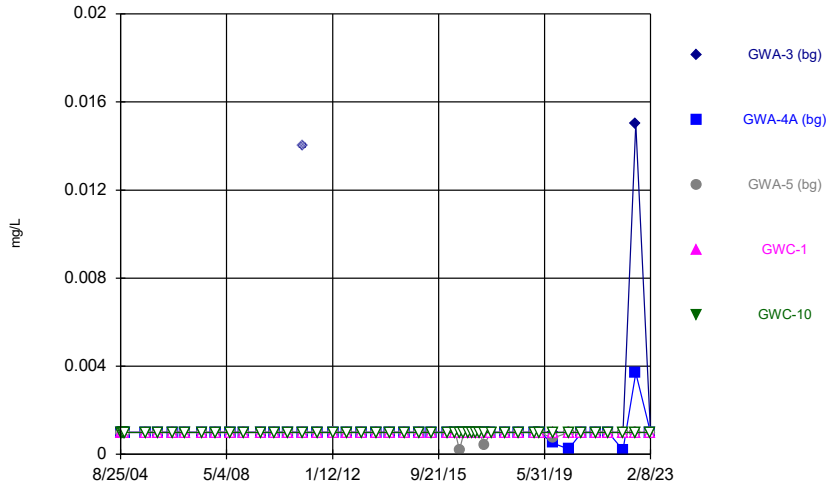
Time Series



Constituent: Lead Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

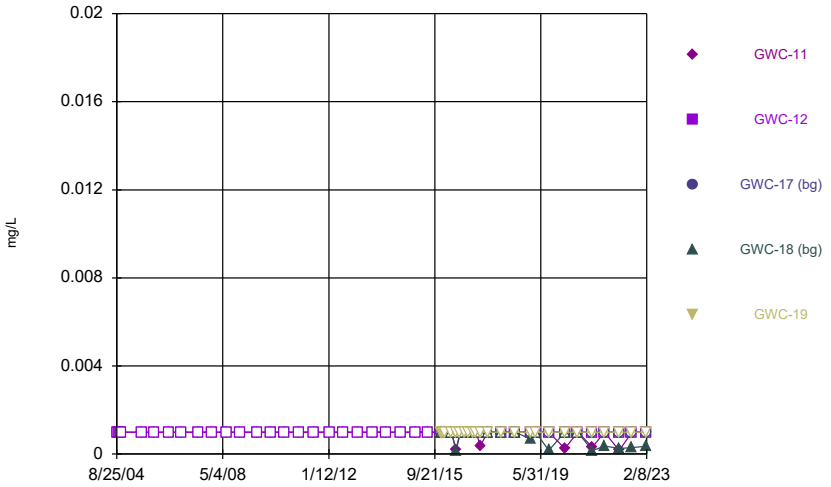
Time Series



Constituent: Lead Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

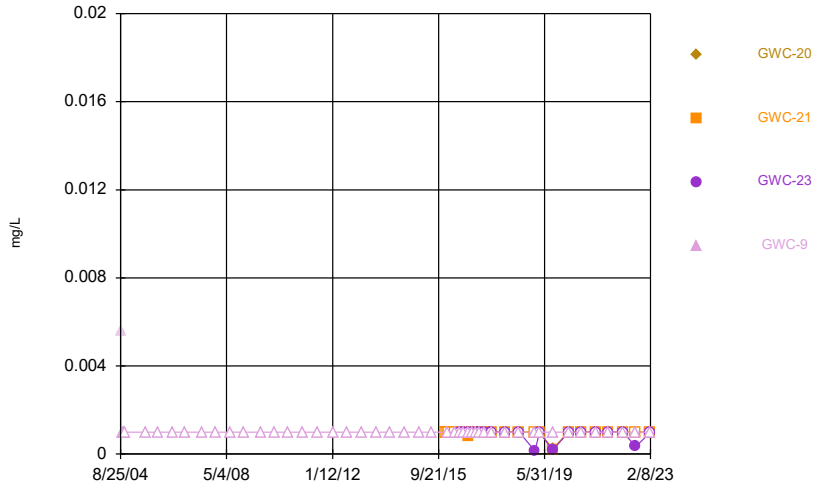
Time Series



Constituent: Lead Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

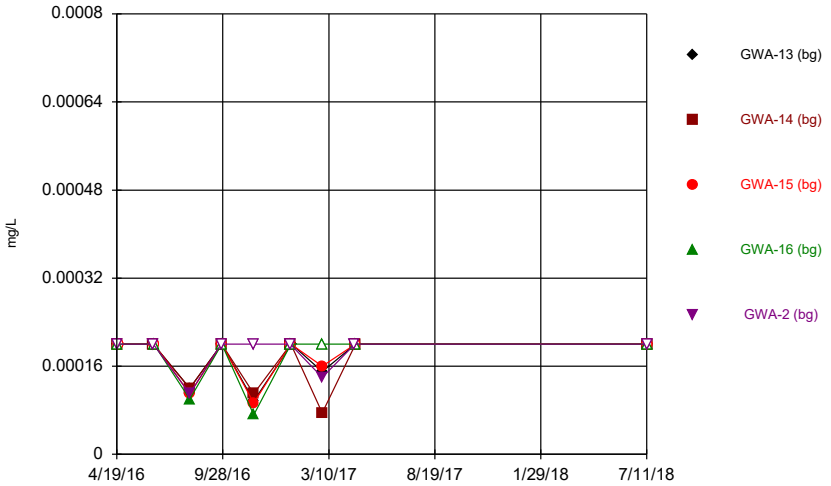
Time Series



Constituent: Lead Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

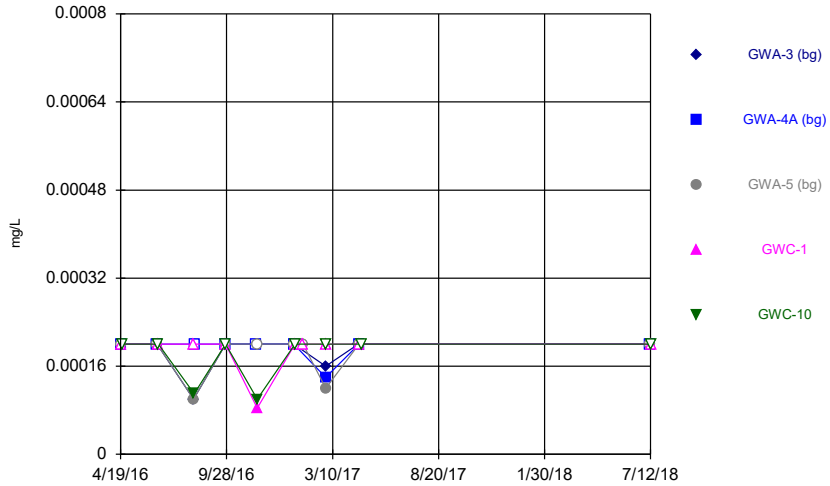
Time Series



Constituent: Mercury Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

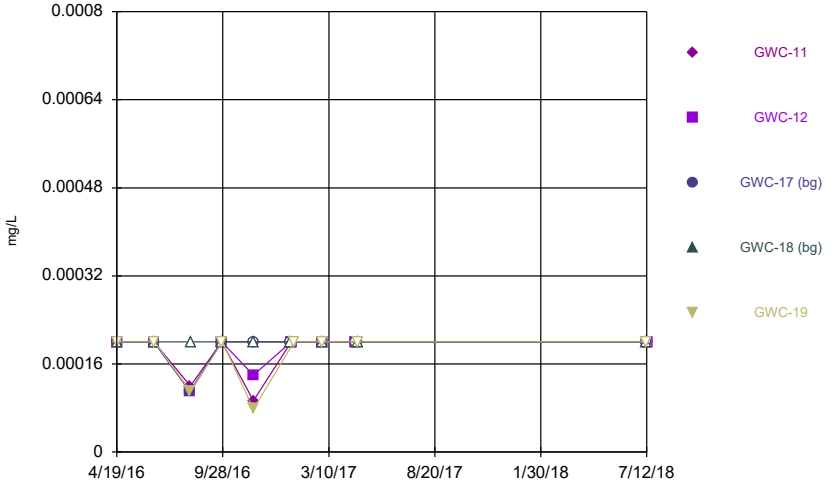
Time Series



Constituent: Mercury Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

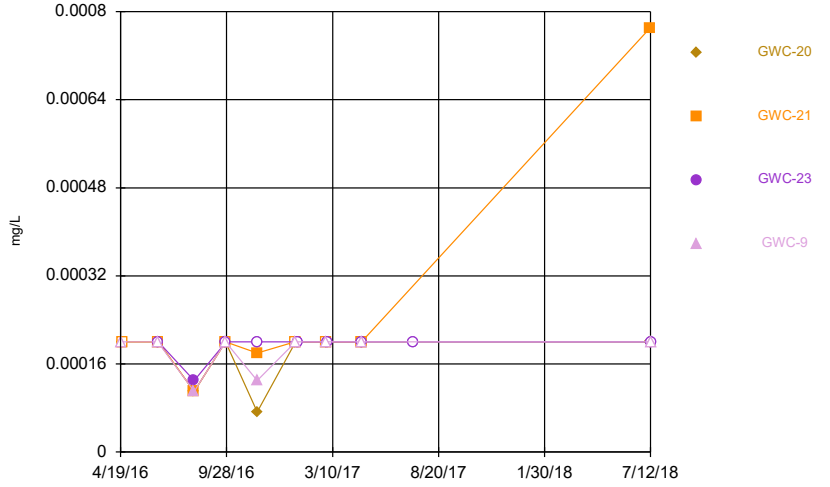
Time Series



Constituent: Mercury Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

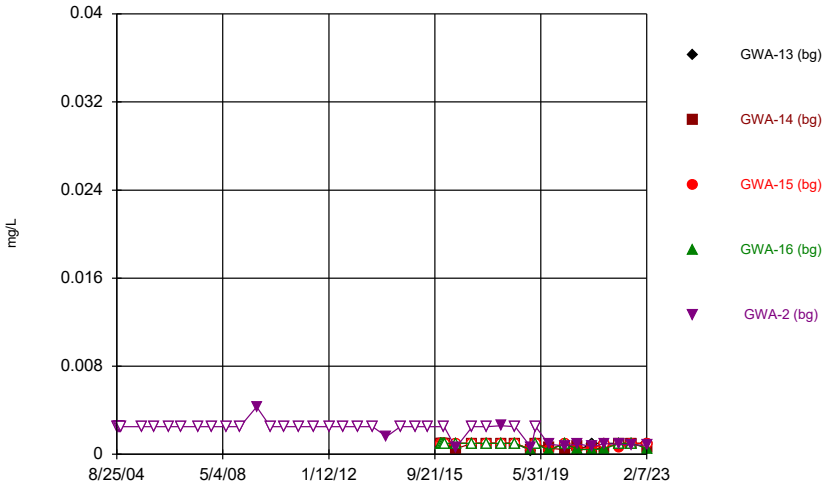
Time Series



Constituent: Mercury Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

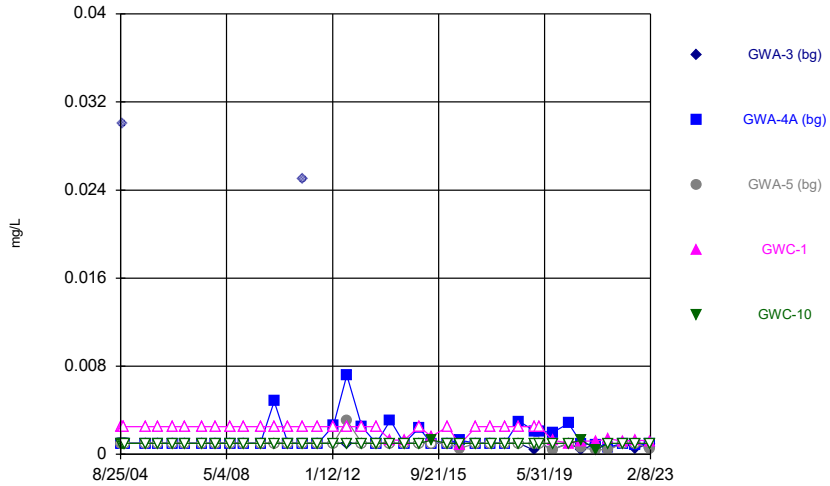
Time Series



Constituent: Nickel Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

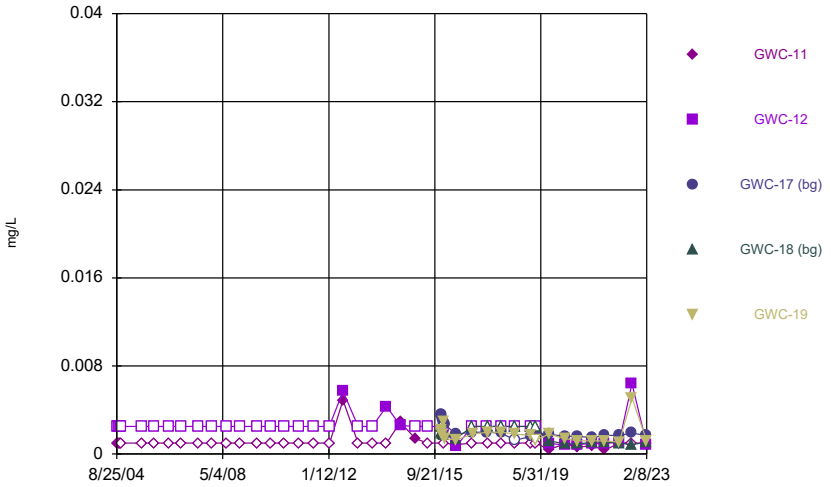
Time Series



Constituent: Nickel Analysis Run 3/7/2023 10:22 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

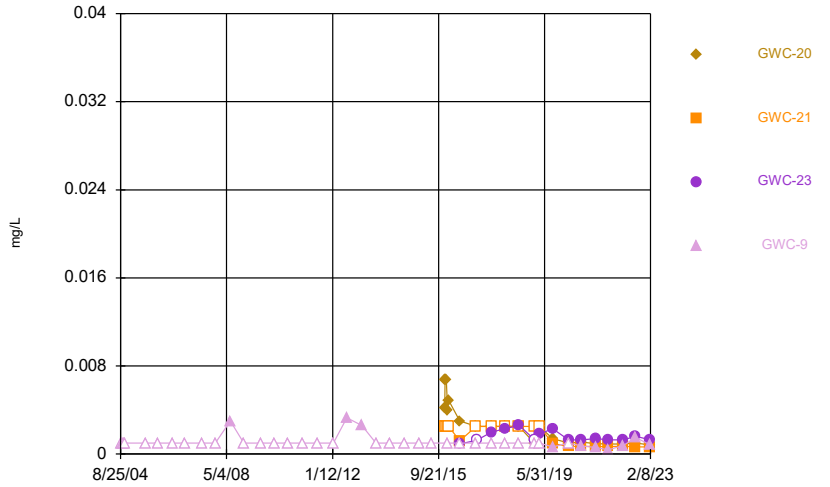
Time Series



Constituent: Nickel Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

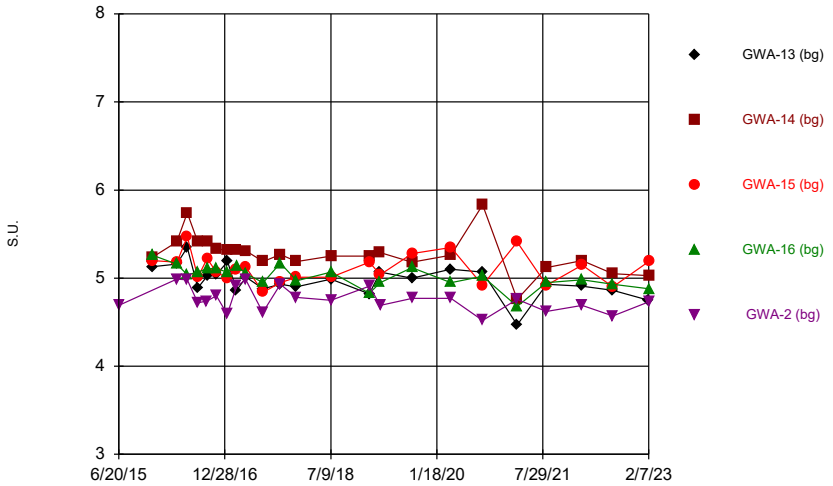
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Nickel Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

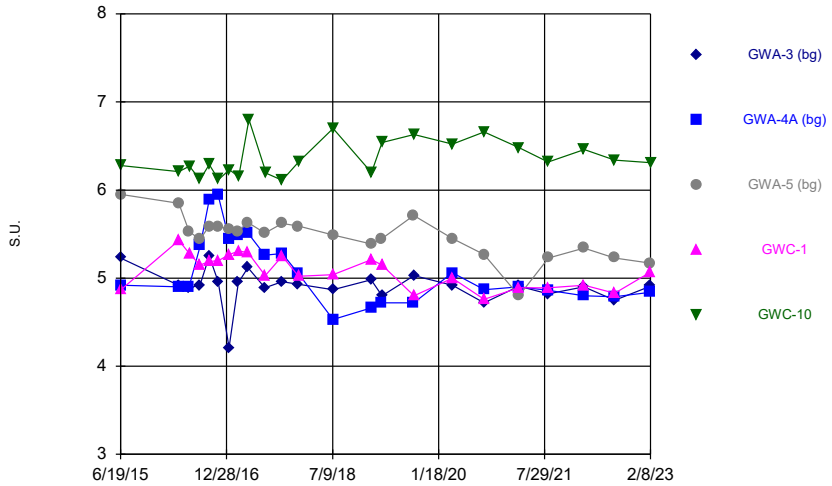
Time Series



Constituent: pH Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

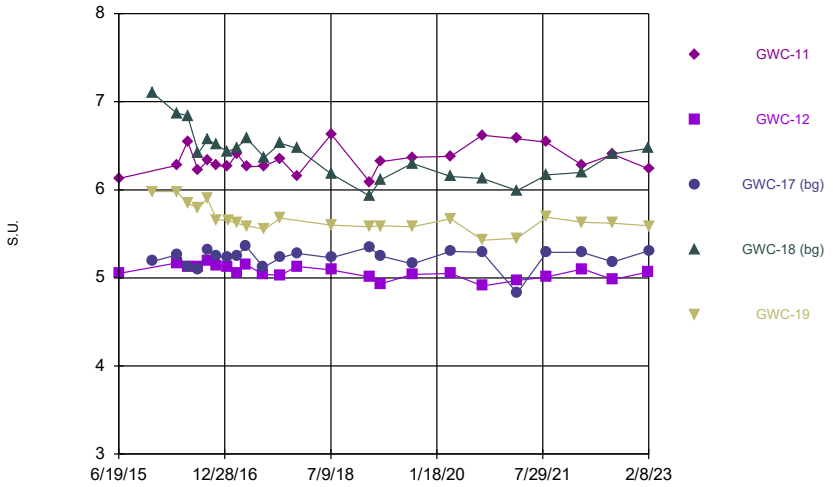
Time Series



Constituent: pH Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

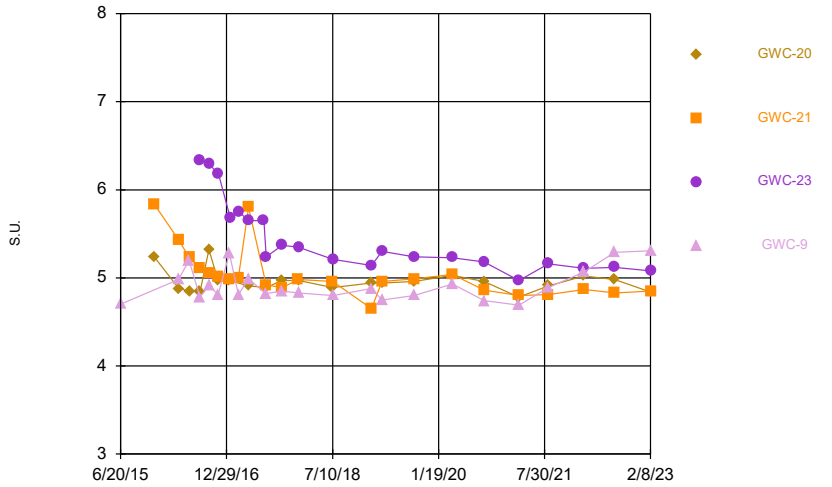
Time Series



Constituent: pH Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

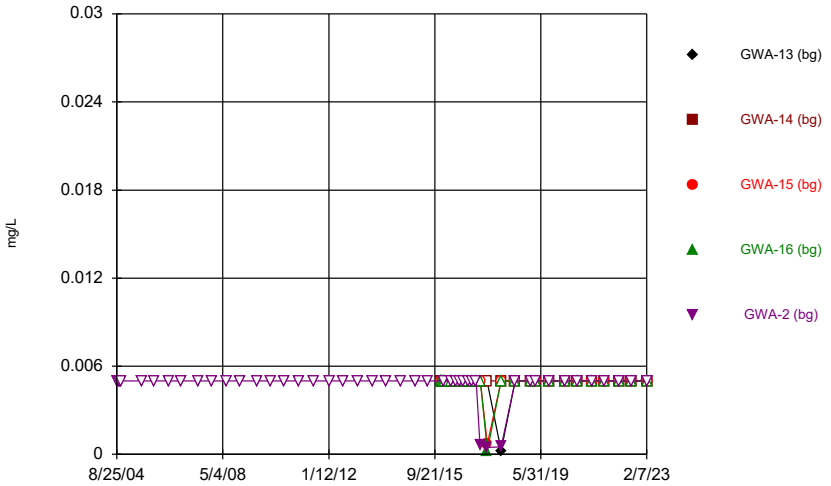
Time Series



Constituent: pH Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

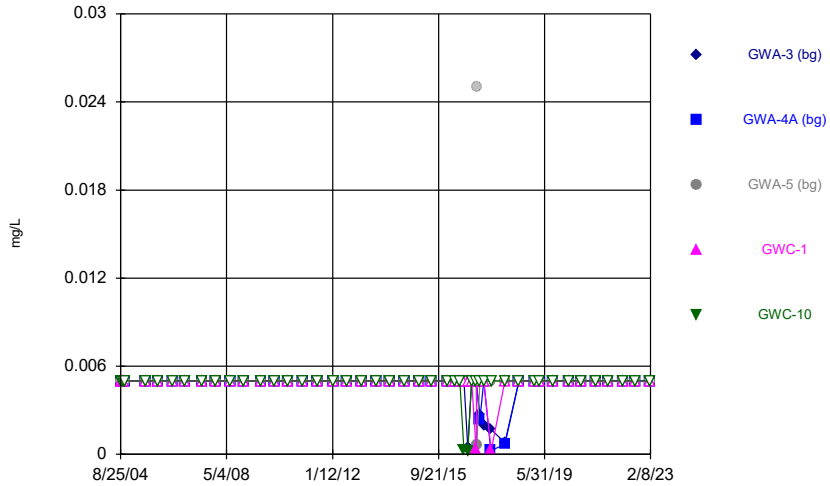
Time Series



Constituent: Selenium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

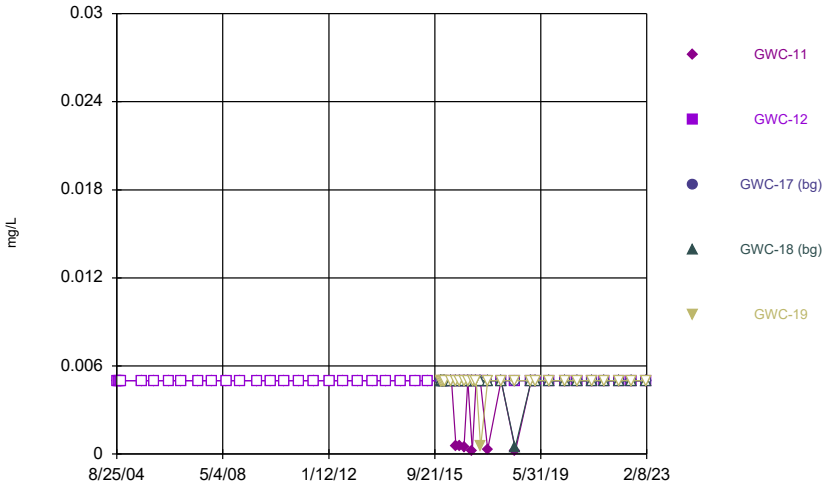
Time Series



Constituent: Selenium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

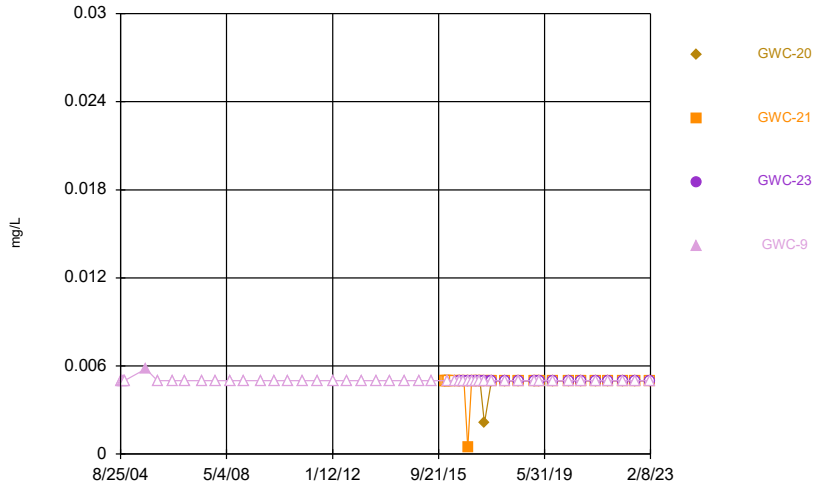
Time Series



Constituent: Selenium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

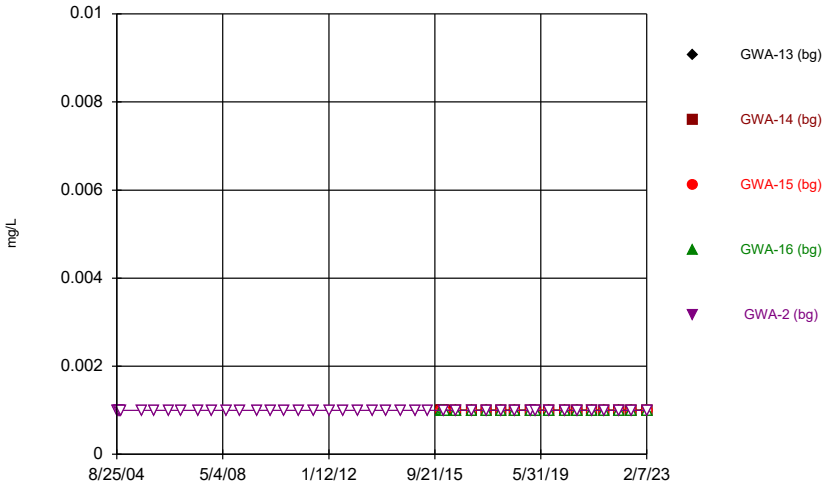
Time Series



Constituent: Selenium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

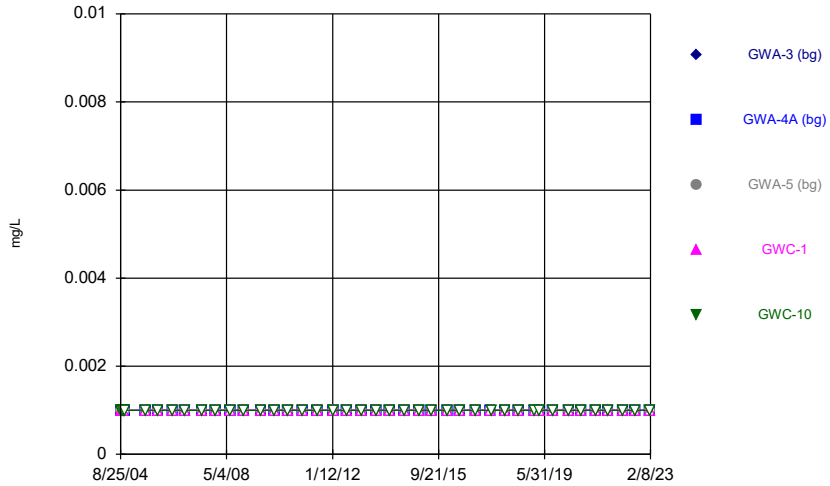
Time Series



Constituent: Silver Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

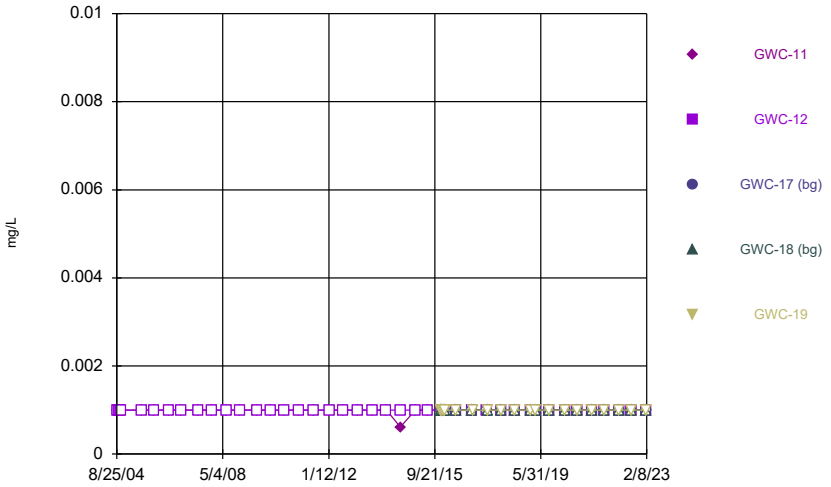
Time Series



Constituent: Silver Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

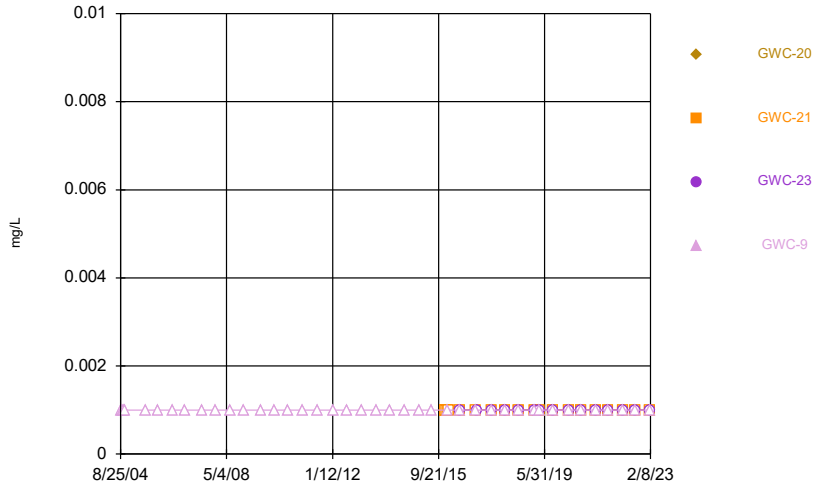
Time Series



Constituent: Silver Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

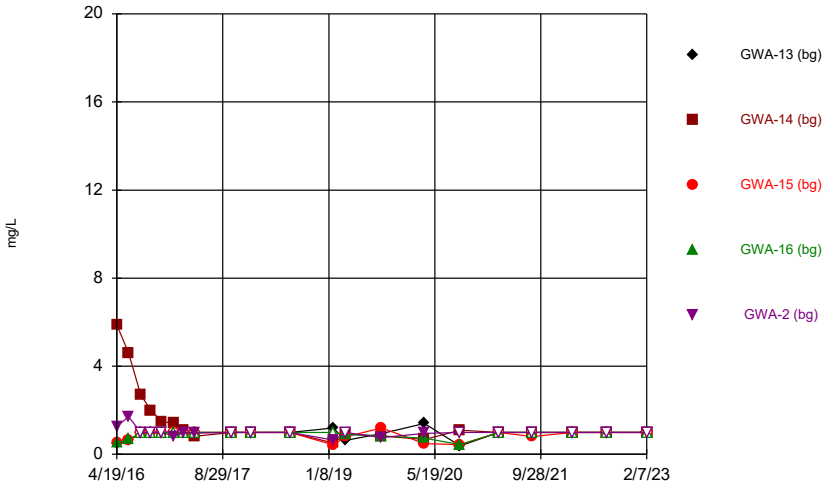
Time Series



Constituent: Silver Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

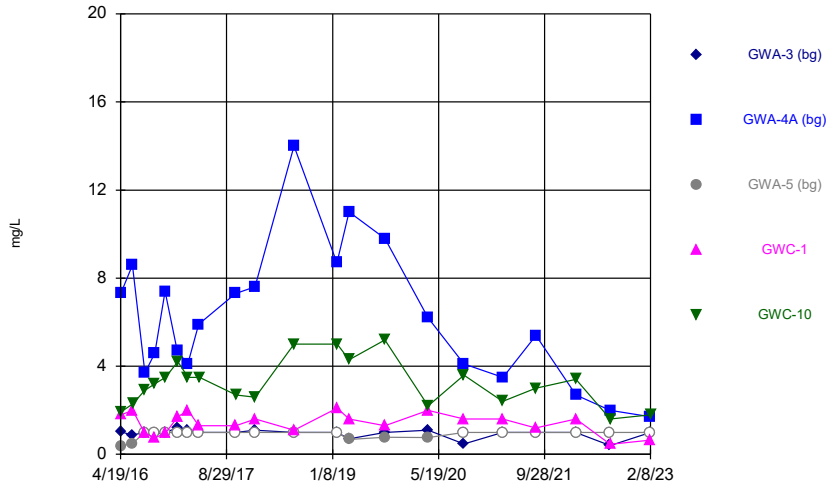
Time Series



Constituent: Sulfate Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

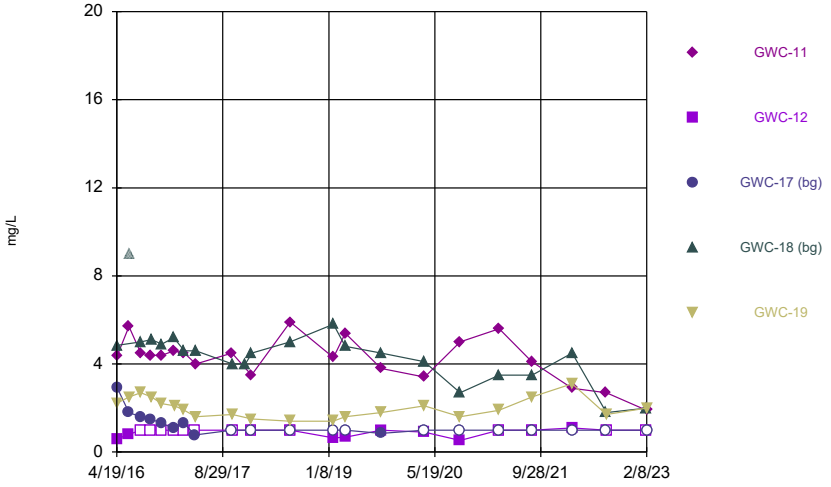
Time Series



Constituent: Sulfate Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

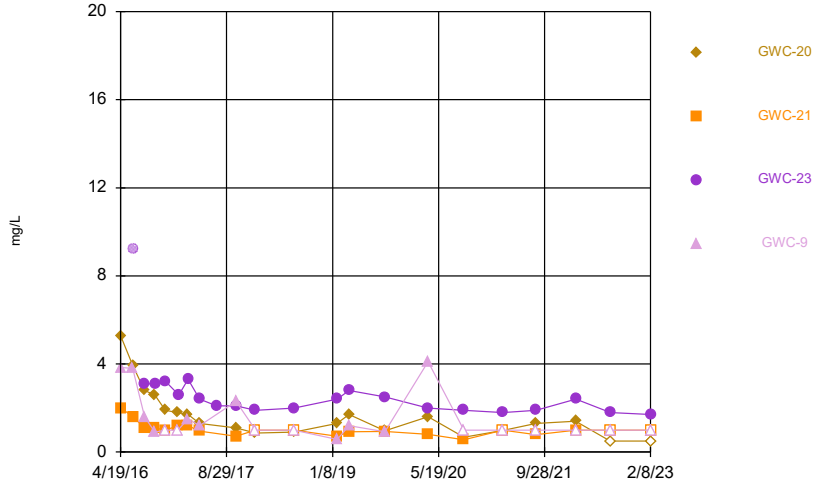
Time Series



Constituent: Sulfate Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

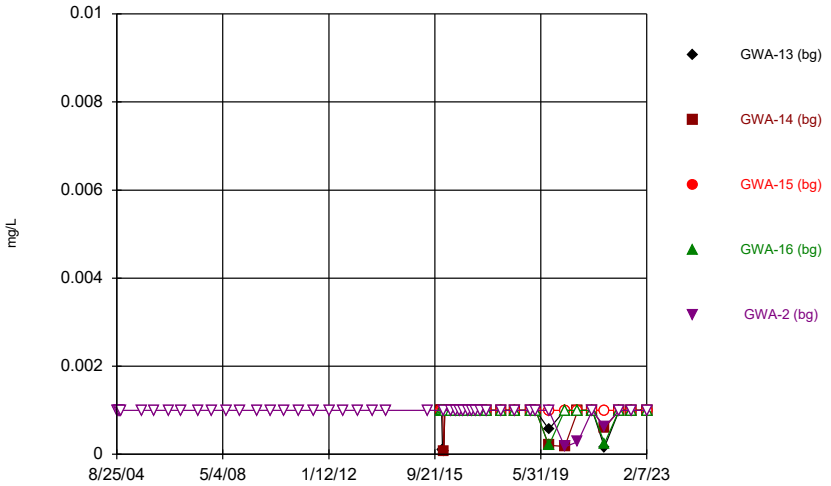
Time Series



Constituent: Sulfate Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

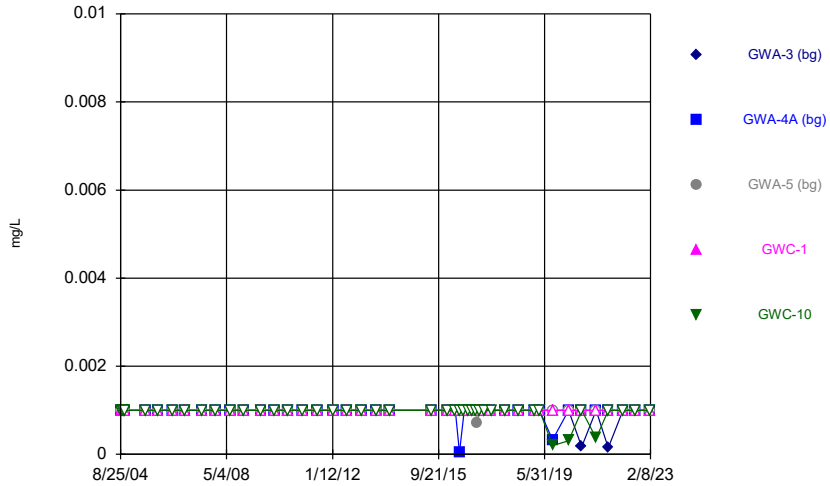
Time Series



Constituent: Thallium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

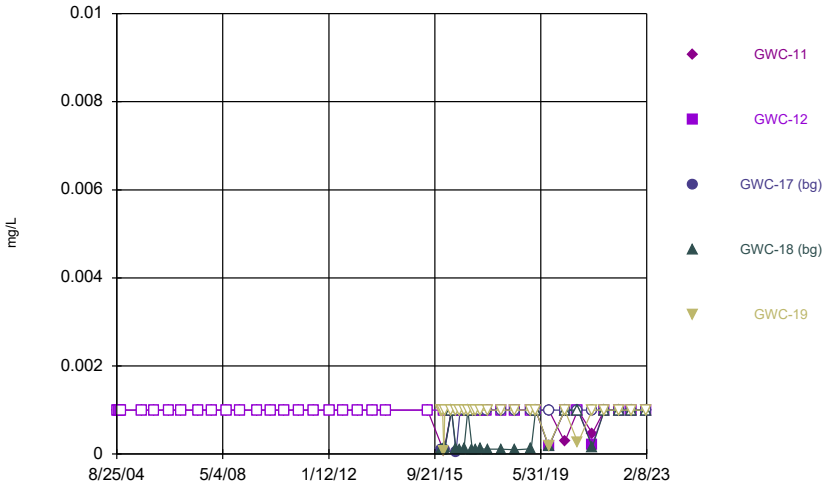
Time Series



Constituent: Thallium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

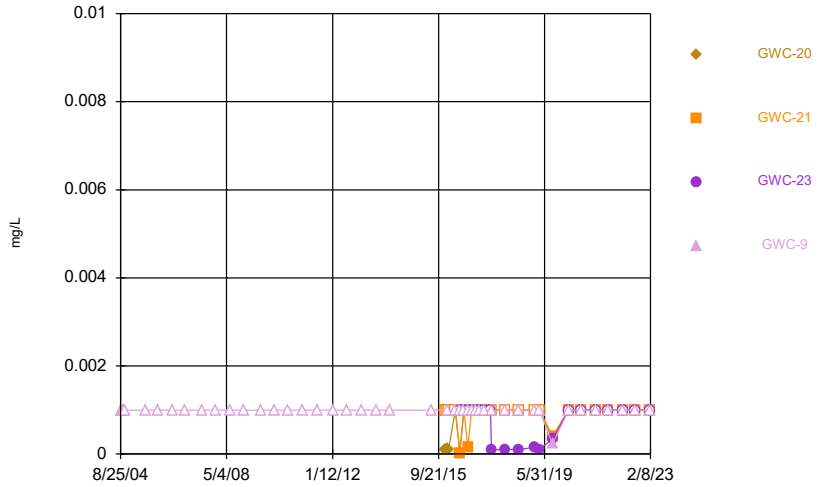
Time Series



Constituent: Thallium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

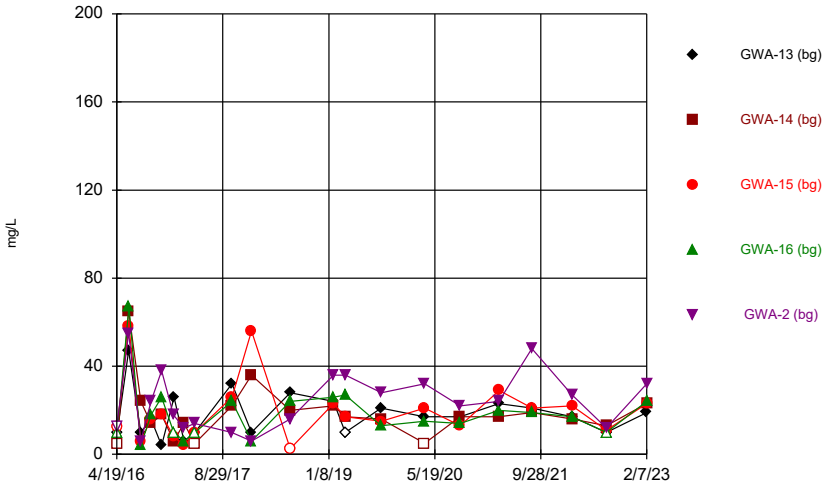
Time Series



Constituent: Thallium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

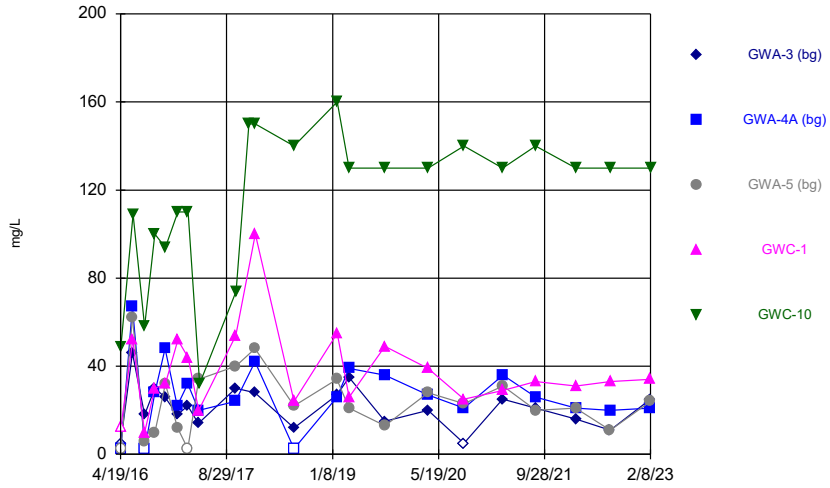
Time Series



Constituent: Total Dissolved Solids Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

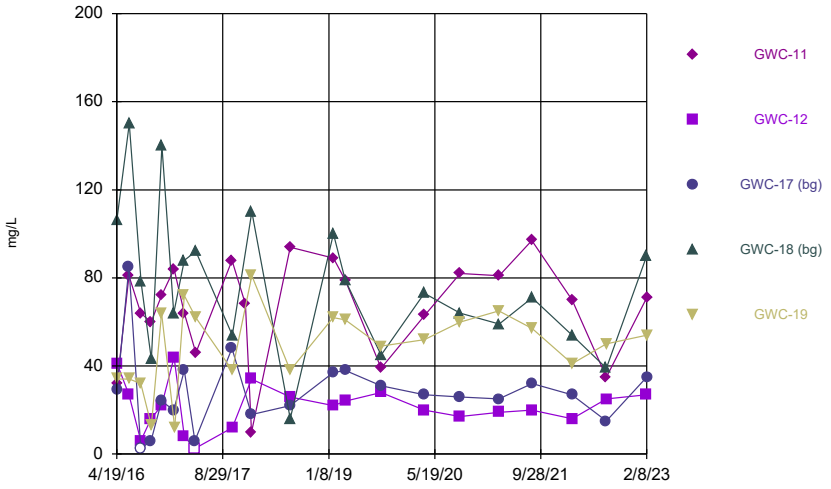
Time Series



Constituent: Total Dissolved Solids Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

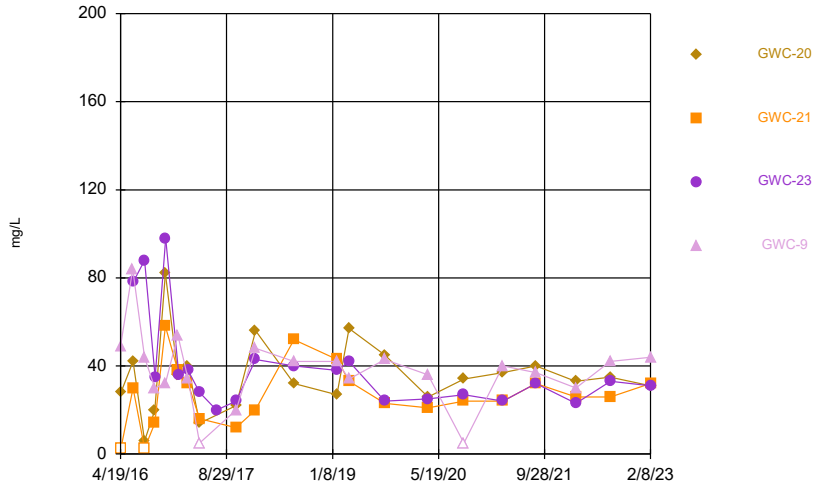
Time Series



Constituent: Total Dissolved Solids Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

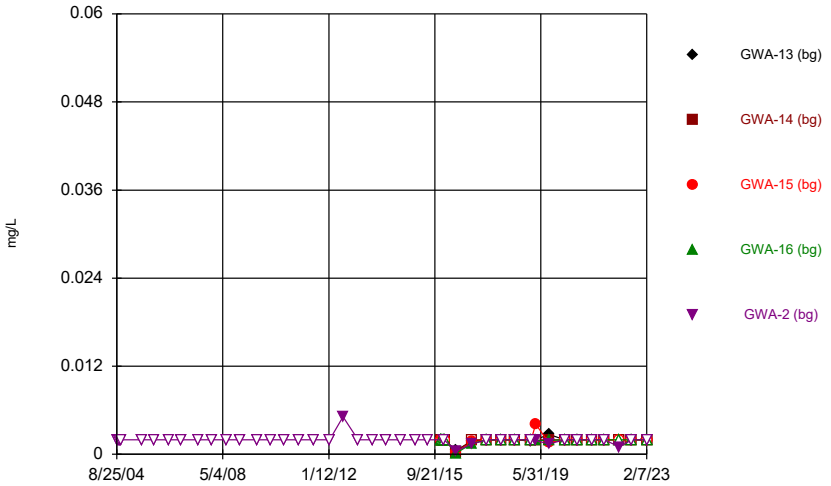
Time Series



Constituent: Total Dissolved Solids Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

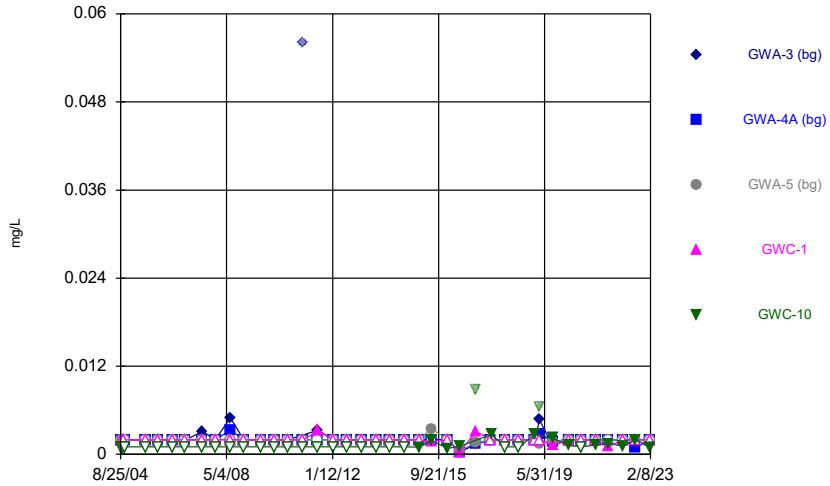
Time Series



Constituent: Vanadium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

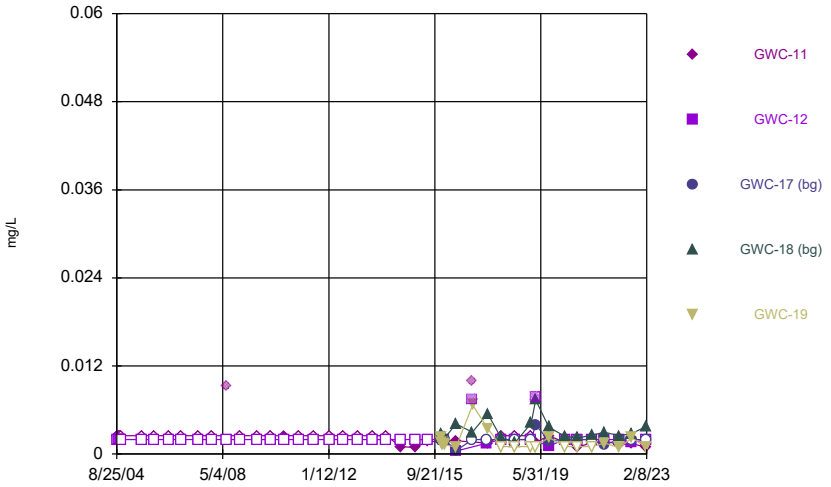
Time Series



Constituent: Vanadium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

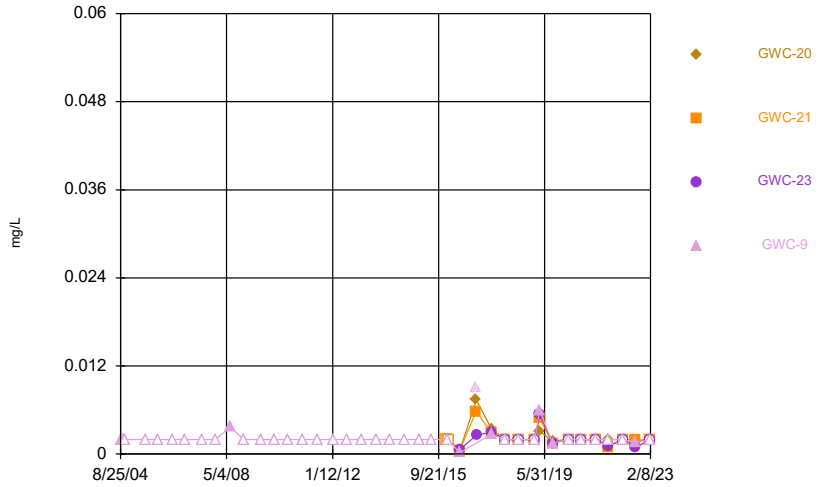
Time Series



Constituent: Vanadium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

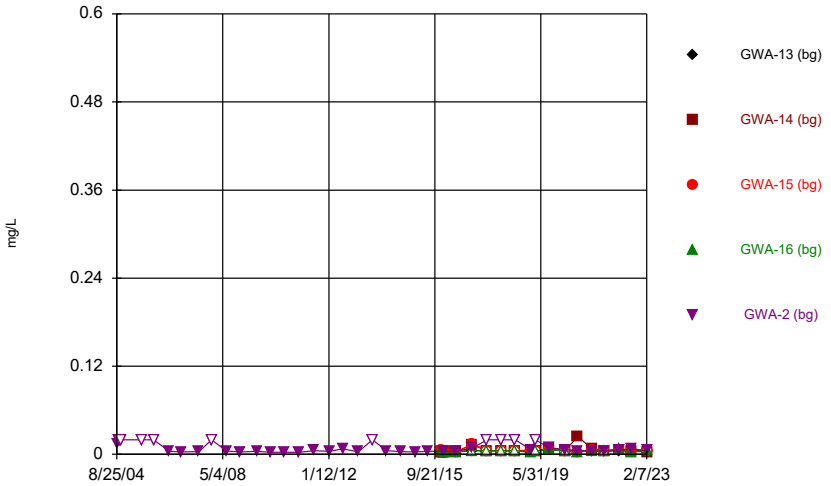
Time Series



Constituent: Vanadium Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

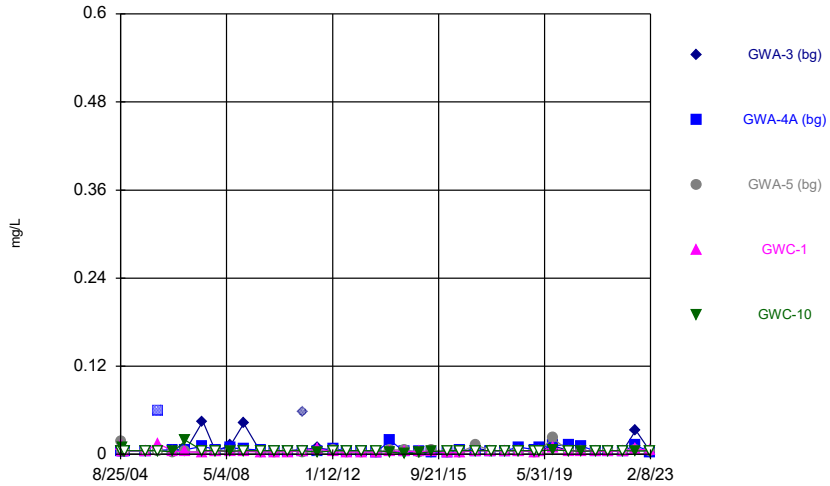
Time Series



Constituent: Zinc Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

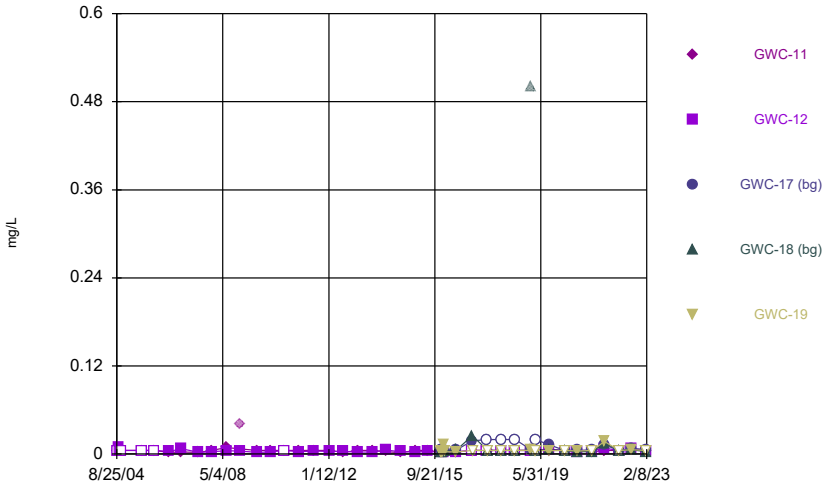
Time Series



Constituent: Zinc Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

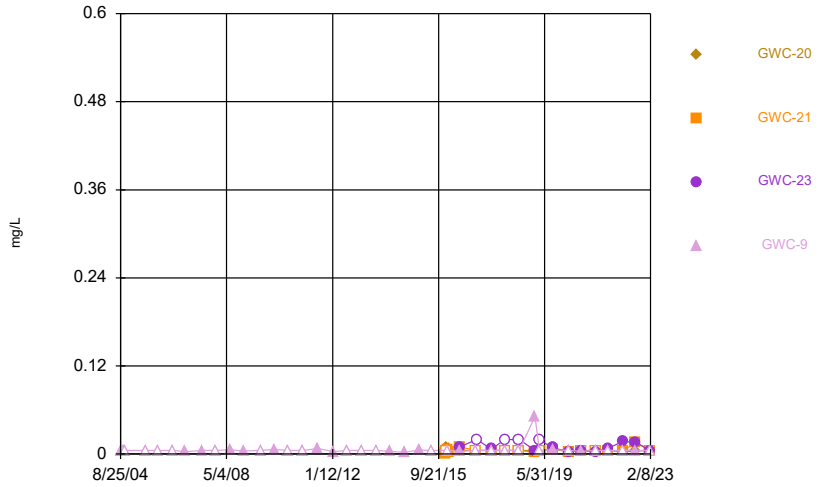
Time Series



Constituent: Zinc Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 3/7/2023 10:23 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	<0.002	<0.002	<0.002	<0.002	
12/14/2015				<0.002	
12/15/2015	<0.002	<0.002	<0.002		
12/28/2015			<0.002	<0.002	
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002	<0.002	
1/16/2016					<0.002
1/25/2016	<0.002	<0.002	<0.002	<0.002	
4/19/2016					<0.002
4/20/2016	<0.002	<0.002		<0.002	
4/21/2016			<0.002		
6/14/2016	<0.002	<0.002			<0.002
6/15/2016			<0.002	<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	
11/15/2016	<0.002	<0.002	<0.002	<0.002	<0.002
1/10/2017					<0.002
1/11/2017		<0.002	<0.002	<0.002	
1/12/2017	<0.002				
2/28/2017	<0.002	<0.002	<0.002		<0.002
3/1/2017				<0.002	
4/19/2017					<0.002
4/20/2017	<0.002	<0.002	<0.002	<0.002	
7/17/2017					<0.002
7/18/2017	<0.002				
7/19/2017		<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/10/2018	<0.002				<0.002
1/11/2018		<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	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	
3/27/2019					<0.002
9/10/2019	0.00052 (J)	<0.002		<0.002	
9/11/2019			<0.002		<0.002
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	<0.002	0.0004 (J)
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
3/17/2021			<0.002		
8/17/2021		<0.002		<0.002	<0.002
8/18/2021	<0.002				
8/19/2021			<0.002		
2/22/2022	<0.002	<0.002	<0.002	<0.002	<0.002
8/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002
2/6/2023	<0.002				
2/7/2023		<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2004	<0.002	<0.002	<0.002	<0.002	<0.002
9/26/2004	<0.002	<0.002	<0.002	<0.002	<0.002
10/13/2004	<0.002	<0.002	<0.002		<0.002
7/11/2005	<0.002	<0.002	<0.002	<0.002	<0.002
12/7/2005	<0.002	<0.002	<0.002	<0.002	<0.002
6/22/2006	<0.002	<0.002	<0.002	<0.002	<0.002
11/28/2006	<0.002	<0.002	<0.002	<0.002	<0.002
7/6/2007	<0.002	<0.002	<0.002	<0.002	<0.002
12/13/2007	<0.002	<0.002	<0.002	<0.002	<0.002
6/20/2008	<0.002	<0.002	<0.002	<0.002	<0.002
12/7/2008	<0.002	<0.002	<0.002	<0.002	<0.002
7/9/2009	<0.002	<0.002	<0.002	<0.002	
7/10/2009					<0.002
12/28/2009	<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	<0.002	<0.002
1/4/2011		<0.002	<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			<0.002
1/20/2012	<0.002				
1/21/2012		<0.002	<0.002	<0.002	<0.002
7/11/2012	<0.002	<0.002	<0.002	<0.002	<0.002
1/19/2013	<0.002		<0.002		
1/20/2013		<0.002		<0.002	<0.002
7/18/2013	<0.002		<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			<0.002
7/10/2014		<0.002 (D)	<0.002 (D)		<0.002 (D)
7/11/2014	<0.002 (D)			<0.002 (D)	
1/15/2015	<0.002		<0.002		
1/16/2015		<0.002		<0.002	<0.002
6/19/2015	<0.002		<0.002		
6/20/2015		<0.002		<0.002	<0.002
1/14/2016		<0.002	<0.002		
1/16/2016	<0.002			<0.002	<0.002
4/19/2016	<0.002				
4/20/2016		<0.002	<0.002	<0.002	
4/21/2016					<0.002
6/14/2016	<0.002	<0.002	<0.002		
6/15/2016				<0.002	
6/16/2016					<0.002
8/9/2016	<0.002		<0.002		
8/10/2016				<0.002	<0.002
8/11/2016		<0.002			
9/27/2016	<0.002	<0.002	<0.002	<0.002	<0.002
11/14/2016	<0.002	<0.002			
11/15/2016			<0.002	<0.002	<0.002
1/10/2017	<0.002	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/11/2017			<0.002		
1/12/2017				<0.002	<0.002
1/19/2017			<0.002		
1/23/2017				<0.002	
1/24/2017			<0.002		
2/28/2017	<0.002	<0.002	<0.002		
3/1/2017				<0.002	<0.002
4/19/2017	<0.002				
4/20/2017		<0.002	<0.002	<0.002	
4/24/2017					<0.002
7/18/2017	0.0022 (J)	<0.002	<0.002		
7/19/2017				<0.002	
7/24/2017					<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		
7/12/2018				<0.002	<0.002
1/29/2019	<0.002	<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	<0.002
9/10/2019		<0.002	<0.002		
9/11/2019	0.00081 (J)			<0.002	<0.002
3/31/2020		<0.002	<0.002		
4/1/2020	<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		
8/17/2021	<0.002				
8/18/2021				<0.002	<0.002
8/19/2021		<0.002	<0.002		
2/22/2022	<0.002		<0.002		
2/23/2022		<0.002		<0.002	<0.002
8/2/2022	<0.002		<0.002		
8/3/2022		<0.002		0.00057 (J)	<0.002
2/7/2023	<0.002	<0.002	<0.002	<0.002	
2/8/2023					<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
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			
7/10/2009	<0.002	<0.002			
12/28/2009		<0.002			
12/29/2009	<0.002				
6/22/2010	<0.002	<0.002			
1/4/2011		<0.002			
1/5/2011	<0.002				
7/9/2011	<0.002	<0.002			
1/20/2012		<0.002			
1/21/2012	<0.002				
7/11/2012	<0.002	<0.002			
1/19/2013	<0.002	<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				
12/8/2015			<0.002	<0.002	<0.002
12/14/2015			<0.002	<0.002	
12/15/2015					<0.002
12/28/2015			<0.002	<0.002	<0.002
1/13/2016			<0.002		
1/14/2016	<0.002			<0.002	<0.002
1/16/2016		<0.002			
1/26/2016			<0.002	<0.002	<0.002
4/19/2016				<0.002	<0.002
4/20/2016	<0.002	<0.002	<0.002		
6/15/2016	<0.002	<0.002	<0.002		
6/16/2016				0.00022 (J)	<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	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/16/2017					<0.002
3/1/2017	<0.002	<0.002	<0.002	<0.002	<0.002
4/20/2017		<0.002	<0.002		
4/24/2017	<0.002				
4/25/2017				<0.002	<0.002
7/19/2017			<0.002		
7/20/2017		<0.002			
7/24/2017	<0.002				
7/25/2017				<0.002	<0.002
1/11/2018	<0.002	<0.002	<0.002		
1/12/2018				<0.002	<0.002
7/11/2018			<0.002	<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		<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
4/2/2020	<0.002				
9/15/2020	<0.002		<0.002	<0.002	
9/16/2020		<0.002			<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			
8/19/2021			<0.002	<0.002	<0.002
2/22/2022			<0.002		
2/23/2022	<0.002	<0.002		<0.002	<0.002
8/2/2022	<0.002		<0.002	<0.002	
8/3/2022		<0.002			<0.002
2/7/2023		<0.002		<0.002	
2/8/2023	<0.002		<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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				<0.002
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 (D)
1/16/2015				<0.002
6/20/2015				<0.002
12/9/2015	<0.002	<0.002		
12/14/2015	<0.002	<0.002		
12/29/2015	<0.002	<0.002		
1/14/2016	<0.002	<0.002		<0.002
1/25/2016	<0.002	<0.002		
4/19/2016				<0.002
4/21/2016	<0.002	<0.002		
6/15/2016				<0.002
6/16/2016	<0.002	<0.002	<0.002	
8/10/2016	<0.002	<0.002	<0.002	<0.002
9/27/2016	<0.002	<0.002		<0.002
9/28/2016			<0.002	
11/15/2016	<0.002	<0.002		<0.002
11/16/2016			<0.002	
1/12/2017		<0.002		
1/13/2017	<0.002			<0.002
1/17/2017			<0.002	
3/1/2017	<0.002	<0.002		<0.002
3/2/2017			<0.002	
4/24/2017		<0.002		<0.002
4/25/2017	<0.002		<0.002	
7/13/2017			<0.002	
7/24/2017				<0.002
7/25/2017	<0.002	<0.002	<0.002	
1/11/2018		<0.002		
1/12/2018	<0.002		<0.002	<0.002
7/11/2018	<0.002	<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			<0.002	<0.002
1/29/2019	<0.002			
1/30/2019		<0.002	<0.002	<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002
9/11/2019	<0.002	<0.002	<0.002	<0.002
4/1/2020	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	
9/16/2020				<0.002
3/16/2021	<0.002			
3/17/2021		<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
8/3/2022	<0.002			<0.002
8/4/2022		<0.002	<0.002	
2/8/2023	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	<0.001	<0.001	<0.001	<0.001	
12/14/2015				<0.001	
12/15/2015	<0.001	<0.001	<0.001		
12/28/2015			<0.001	<0.001	
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001	<0.001	
1/16/2016					<0.001
1/25/2016	<0.001	<0.001	<0.001	<0.001	
4/19/2016					<0.001
4/20/2016	<0.001	<0.001		<0.001	
4/21/2016			<0.001		
6/14/2016	<0.001	<0.001			<0.001
6/15/2016			<0.001	<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	
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/10/2017					<0.001
1/11/2017		<0.001	<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
4/20/2017	<0.001	<0.001	<0.001	<0.001	
7/17/2017					<0.001
7/18/2017	<0.001				
7/19/2017		<0.001	0.00056 (J)	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/10/2018	<0.001				<0.001
1/11/2018		<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	<0.001	<0.001
3/26/2019	<0.001	<0.001	0.00075	<0.001	
3/27/2019					<0.001
9/10/2019	0.00076 (J)	0.00043 (J)		0.00036 (J)	
9/11/2019			0.00033 (J)		<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
3/17/2021			<0.001		
8/17/2021		<0.001		<0.001	<0.001
8/18/2021	<0.001				
8/19/2021			<0.001		
2/22/2022	<0.001	<0.001	<0.001	<0.001	<0.001
8/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001
2/6/2023	<0.001				
2/7/2023		<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2004	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2004	<0.001	<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	<0.001
12/7/2005	<0.001	<0.001	<0.001	<0.001	<0.001
6/22/2006	<0.001	<0.001	<0.001	<0.001	<0.001
11/28/2006	<0.001	<0.001	<0.001	<0.001	<0.001
7/6/2007	<0.001	<0.001	<0.001	<0.001	<0.001
12/13/2007	<0.001	<0.001	<0.001	<0.001	<0.001
6/20/2008	<0.001	<0.001	<0.001	<0.001	<0.001
12/7/2008	<0.001	<0.001	<0.001	<0.001	<0.001
7/9/2009	<0.001	<0.001	<0.001	<0.001	
7/10/2009					<0.001
12/28/2009	<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	<0.001	<0.001
1/4/2011		<0.001	<0.001	<0.001	<0.001
1/5/2011	0.0089 (o)				
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			<0.001
1/20/2012	<0.001				
1/21/2012		<0.001	<0.001	<0.001	<0.001
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001
1/19/2013	<0.001		<0.001		
1/20/2013		<0.001		<0.001	<0.001
7/18/2013	<0.001		<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			<0.001
7/10/2014		<0.001	<0.001		<0.001
7/11/2014	<0.001			<0.001	
1/15/2015	<0.001		<0.001		
1/16/2015		<0.001		<0.001	<0.001
6/19/2015	<0.001		<0.001		
6/20/2015		<0.001		<0.001	<0.001
1/14/2016		<0.001	<0.001		
1/16/2016	<0.001			<0.001	<0.001
4/19/2016	<0.001				
4/20/2016		<0.001	<0.001	<0.001	
4/21/2016					<0.001
6/14/2016	<0.001	0.00016 (J)	5E-05 (J)		
6/15/2016				<0.001	
6/16/2016					0.0004 (J)
8/9/2016	<0.001		<0.001		
8/10/2016				<0.001	<0.001
8/11/2016		0.00096 (J)			
9/27/2016	<0.001	0.0026	<0.001	<0.001	<0.001
11/14/2016	<0.001	0.0017			
11/15/2016			<0.001	<0.001	<0.001
1/10/2017	<0.001	0.0021			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/11/2017			<0.001		
1/12/2017				<0.001	0.00077 (J)
1/19/2017			<0.001		
1/23/2017				<0.001	
1/24/2017			0.0027		
2/28/2017	0.00061 (J)	0.0027	<0.001		
3/1/2017				<0.001	<0.001
4/19/2017	0.00069 (J)				
4/20/2017		0.0014	<0.001	<0.001	
4/24/2017					<0.001
7/18/2017	<0.001	0.0012 (J)	<0.001		
7/19/2017				<0.001	
7/24/2017					<0.001
1/10/2018	<0.001	0.00068 (J)	<0.001		
1/11/2018				<0.001	0.00046 (J)
7/11/2018	<0.001	<0.001	<0.001		
7/12/2018				<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001		
1/30/2019				<0.001	<0.001
3/26/2019		0.0005	<0.001		
3/27/2019	0.0011			<0.001	0.0013
9/10/2019		0.00051 (J)	0.00035 (J)		
9/11/2019	<0.001			<0.001	0.00082 (J)
3/31/2020		<0.001	<0.001		
4/1/2020	<0.001			<0.001	0.00055 (J)
9/15/2020	<0.001		<0.001	<0.001	0.00041 (J)
9/16/2020		<0.001			
3/16/2021	<0.001			<0.001	0.00069 (J)
3/17/2021		<0.001	<0.001		
8/17/2021	<0.001				
8/18/2021				0.0004 (J)	0.00045 (J)
8/19/2021		<0.001	<0.001		
2/22/2022	<0.001		<0.001		
2/23/2022		0.00035 (J)		<0.001	0.00048 (J)
8/2/2022	<0.001		<0.001		
8/3/2022		<0.001		<0.001	0.00052 (J)
2/7/2023	<0.001	<0.001	<0.001	<0.001	
2/8/2023					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	<0.005	<0.001			
9/11/2004	<0.005	<0.001			
9/26/2004	<0.005	<0.001			
10/13/2004	<0.005	<0.001			
7/11/2005	<0.005	<0.001			
12/7/2005	<0.005	<0.001			
6/22/2006	<0.005	<0.001			
11/28/2006	<0.005	<0.001			
7/6/2007	<0.005	<0.001			
12/13/2007	<0.005	<0.001			
6/20/2008	<0.005	<0.001			
12/7/2008	<0.005	<0.001			
7/10/2009	<0.005	<0.001			
12/28/2009		<0.001			
12/29/2009	<0.005				
6/22/2010	<0.005	<0.001			
1/4/2011		<0.001			
1/5/2011	<0.005				
7/9/2011	<0.005	<0.001			
1/20/2012		<0.001			
1/21/2012	<0.005				
7/11/2012	<0.005	<0.001			
1/19/2013	<0.005	<0.001			
7/18/2013		<0.001			
7/19/2013	<0.005				
1/15/2014	<0.005	<0.001			
7/11/2014	<0.005	<0.001			
1/15/2015		<0.001			
1/16/2015	<0.005				
6/19/2015		<0.001			
6/20/2015	<0.005				
12/8/2015			<0.001	<0.0013	<0.001
12/14/2015			<0.001	<0.0013	
12/15/2015					<0.001
12/28/2015			<0.001	<0.0013	<0.001
1/13/2016			<0.001		
1/14/2016	<0.005			<0.0013	<0.001
1/16/2016		<0.001			
1/26/2016			<0.001	<0.0013	<0.001
4/19/2016				0.00112 (J)	<0.001
4/20/2016	0.00117 (J)	<0.001	<0.001		
6/15/2016	0.0013 (J)	<0.001	0.00015 (J)		
6/16/2016				0.0011 (J)	0.00026 (J)
8/9/2016			<0.001		
8/10/2016	0.0013	<0.001			<0.001
8/11/2016				0.001 (J)	
9/27/2016	0.0011 (J)	<0.001	<0.001		
9/28/2016				0.00062 (J)	<0.001
11/15/2016	0.001 (J)	<0.001	<0.001		<0.001
11/16/2016				0.00046 (J)	
1/11/2017			<0.001	0.00093 (J)	
1/12/2017	0.0016	0.00062 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/16/2017					0.00067 (J)
3/1/2017	0.00092 (J)	<0.001	<0.001	0.0006 (J)	<0.001
4/20/2017		<0.001	<0.001		
4/24/2017	0.0011 (J)				
4/25/2017				0.0011 (J)	<0.001
7/19/2017			0.00047 (J)		
7/20/2017		0.00053 (J)			
7/24/2017	0.00086 (J)				
7/25/2017				0.001 (J)	<0.001
1/11/2018	0.0012 (J)	<0.001	<0.001		
1/12/2018				0.00095 (J)	<0.001
7/11/2018			<0.001	0.0007 (J)	<0.001
7/12/2018	0.001 (J)	<0.001			
1/29/2019			<0.001		<0.001
1/30/2019	0.0015 (J)	<0.001		<0.0013	
3/27/2019	0.0013	0.0011	0.00097	0.0019	<0.001
9/11/2019	0.0017	0.00032 (J)	0.00038 (J)	0.0012	0.00057 (J)
4/1/2020		<0.001	<0.001	0.00067	<0.001
4/2/2020	0.0014				
9/15/2020	0.0011		<0.001	0.00076 (J)	
9/16/2020		<0.001			<0.001
3/16/2021		<0.001	<0.001		<0.001
3/17/2021	0.0014			0.00072 (J)	
8/18/2021	0.0013	<0.001			
8/19/2021			<0.001	0.00059 (J)	<0.001
2/22/2022			<0.001		
2/23/2022	0.0013	<0.001		0.00098 (J)	0.00028 (J)
8/2/2022	0.0013		<0.001	0.0009 (J)	
8/3/2022		<0.001			<0.001
2/7/2023		<0.001		0.0011	
2/8/2023	0.0017		<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	<0.001	<0.001		
12/14/2015	<0.001	<0.001		
12/29/2015	<0.001	0.0022 (J)		
1/14/2016	<0.001	0.002 (J)		<0.001
1/25/2016	<0.001	<0.001		
4/19/2016				<0.001
4/21/2016	<0.001	<0.001		
6/15/2016				<0.001
6/16/2016	0.00014 (J)	0.00046 (J)	0.00043 (J)	
8/10/2016	<0.001	<0.001	0.0021	<0.001
9/27/2016	<0.001	0.00084 (J)		<0.001
9/28/2016			0.0011 (J)	
11/15/2016	<0.001	<0.001		<0.001
11/16/2016			0.0011 (J)	
1/12/2017		<0.001		
1/13/2017	<0.001			0.00055 (J)
1/17/2017			0.00064 (J)	
3/1/2017	<0.001	<0.001		<0.001
3/2/2017			<0.001	
4/24/2017		<0.001		<0.001
4/25/2017	0.00046 (J)		0.0007 (J)	
7/13/2017			<0.001	
7/24/2017				<0.001
7/25/2017	<0.001	<0.001	<0.001	
1/11/2018		<0.001		
1/12/2018	<0.001		<0.001	<0.001
7/11/2018	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			<0.001	<0.001
1/29/2019	<0.001			
1/30/2019		<0.001	<0.001	<0.001
3/27/2019	<0.001	0.00074	0.00079	0.00073
9/11/2019	0.00066 (J)	0.00064 (J)	0.00051 (J)	0.00044 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	
9/16/2020				<0.001
3/16/2021	<0.001			
3/17/2021		<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
8/3/2022	<0.001			<0.001
8/4/2022		<0.001	0.00053 (J)	
2/8/2023	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	0.015	0.018	0.027	0.027	
12/14/2015				0.028	
12/15/2015	0.015	0.017	0.028		
12/28/2015			0.026	0.029	
12/29/2015	0.016	0.018			
1/13/2016	0.017	0.018	0.026	0.028	
1/16/2016					0.031
1/25/2016	0.017	0.018	0.027	0.027	
4/19/2016					0.0305
4/20/2016	0.0144	0.0143		0.0259	
4/21/2016			0.0262		
6/14/2016	0.015	0.012			0.03
6/15/2016			0.024	0.024	
8/9/2016	0.013	0.011	0.023	0.023	0.032
9/26/2016					0.031
9/27/2016	0.015	0.01	0.023	0.021	
11/15/2016	0.015	0.012	0.023	0.023	0.033
1/10/2017					0.031
1/11/2017		0.011	0.022	0.021	
1/12/2017	0.012				
2/28/2017	0.016	0.011	0.023		0.033
3/1/2017				0.022	
4/19/2017					0.032
4/20/2017	0.015	0.011	0.024	0.022	
7/17/2017					0.033
7/18/2017	0.015				
7/19/2017		0.012	0.025	0.024	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/10/2018	0.015				0.034
1/11/2018		0.012	0.023	0.022	
7/11/2018	0.015	0.012	0.025	0.023	0.035
1/29/2019	0.019	0.013	0.027	0.026	0.034
3/26/2019	0.016	0.012	0.028	0.023	
3/27/2019					0.03
9/10/2019	0.03	0.016		0.039	
9/11/2019			0.023		0.034
3/31/2020	0.015				
4/1/2020		0.013	0.026	0.022	0.037
9/15/2020	0.014	0.012	0.023	0.024	0.036
3/16/2021	0.018	0.013		0.025	0.035
3/17/2021			0.028		
8/17/2021		0.014		0.024	0.037
8/18/2021	0.018				
8/19/2021			0.022		
2/22/2022	0.019	0.014	0.026	0.026	0.038
8/2/2022	0.016	0.014	0.023	0.029	0.032
2/6/2023	0.016				
2/7/2023		0.014	0.025	0.026	0.033

Time Series

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	0.025	0.0096	0.016	0.02	0.036
9/11/2004	0.015	0.024	0.02	0.021	0.036
9/26/2004	0.017	0.027	0.016	0.019	0.035
10/13/2004	0.017	0.022	0.014		0.035
7/11/2005	0.012	0.029	0.014	0.017	0.017
12/7/2005	0.012	0.023	0.014	0.018	0.017
6/22/2006	0.016	0.026	0.019	0.018	0.015
11/28/2006	0.017	0.039	0.016	0.026	0.032
7/6/2007	0.1 (O)	0.037	0.018	0.014	0.03
12/13/2007	0.01	0.029	0.015	0.013	0.039
6/20/2008	0.026	0.037	0.018	0.019	0.038
12/7/2008	0.097 (O)	0.025	0.016	0.019	0.034
7/9/2009	0.01	0.028	0.019	0.029	
7/10/2009					0.032
12/28/2009	0.0091			0.039	
12/29/2009			0.02		0.03
12/30/2009		0.017			
6/22/2010	0.011	0.032	0.027	0.032	0.024
1/4/2011		0.02	0.025	0.024	0.017
1/5/2011	0.21 (O)				
7/9/2011	0.035		0.022	0.034	
7/10/2011		0.032			0.03
1/20/2012	0.021				
1/21/2012		0.026	0.024	0.022	0.022
7/11/2012	0.009	0.023	0.024	0.023	0.025
1/19/2013	0.01		0.026		
1/20/2013		0.011		0.027	0.029
7/18/2013	0.014		0.024		
7/19/2013		0.018		0.037	0.02
1/15/2014	0.016		0.026	0.032	
1/16/2014		0.015			0.022
7/10/2014		0.025	0.036		0.018
7/11/2014	0.016			0.034	
1/15/2015	0.014		0.035		
1/16/2015		0.022		0.032	0.019
6/19/2015	0.013		0.066		
6/20/2015		0.015		0.037	0.021
1/14/2016		0.016	0.059		
1/16/2016	0.021			0.051	0.019
4/19/2016	0.0217				
4/20/2016		0.0234	0.0553	0.0554	
4/21/2016					0.0178
6/14/2016	0.024	0.019	0.035		
6/15/2016				0.046	
6/16/2016					0.022
8/9/2016	0.023		0.035		
8/10/2016				0.042	0.015
8/11/2016		0.024			
9/27/2016	0.016	0.035	0.038	0.042	0.014
11/14/2016	0.014	0.034			
11/15/2016			0.039	0.042	0.015
1/10/2017	0.015	0.021			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/11/2017			0.037		
1/12/2017				0.046	0.015
1/19/2017			0.079		
1/23/2017				0.023	
1/24/2017			0.42 (o)		
2/28/2017	0.017	0.021	0.042		
3/1/2017				0.048	0.017
4/19/2017	0.013				
4/20/2017		0.019	0.04	0.046	
4/24/2017					0.014
7/18/2017	0.012	0.018	0.04		
7/19/2017				0.045	
7/24/2017					0.015
1/10/2018	0.016	0.021	0.048		
1/11/2018				0.046	0.013
7/11/2018	0.015	0.029	0.044		
7/12/2018				0.045	0.024
1/29/2019	0.017	0.025	0.05		
1/30/2019				0.05	0.023
3/26/2019		0.023	0.046		
3/27/2019	0.014			0.045	0.019
9/10/2019		0.026	0.044		
9/11/2019	0.015			0.038	0.021
3/31/2020		0.017	0.044		
4/1/2020	0.014			0.041	0.035
9/15/2020	0.015		0.041	0.038	0.023
9/16/2020		0.016			
3/16/2021	0.015			0.039	0.019
3/17/2021		0.014	0.04		
8/17/2021	0.015				
8/18/2021				0.034	0.018
8/19/2021		0.013	0.038		
2/22/2022	0.015		0.041		
2/23/2022		0.015		0.039	0.018
8/2/2022	0.012		0.043		
8/3/2022		0.032		0.029	0.017
2/7/2023	0.012	0.015	0.039	0.031	
2/8/2023					0.017

Time Series

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	0.018	0.014			
9/11/2004	0.022	0.014			
9/26/2004	0.022	0.014			
10/13/2004	0.017	0.013			
7/11/2005	0.015	0.011			
12/7/2005	0.012	0.012			
6/22/2006	0.012	0.012			
11/28/2006	0.013	0.011			
7/6/2007	0.012	0.014			
12/13/2007	0.013	0.011			
6/20/2008	0.026	0.011			
12/7/2008	0.093 (O)	0.01			
7/10/2009	0.013	0.011			
12/28/2009		0.011			
12/29/2009	0.012				
6/22/2010	0.014	0.011			
1/4/2011		0.013			
1/5/2011	0.011				
7/9/2011	0.012	0.015			
1/20/2012		0.013			
1/21/2012	0.017				
7/11/2012	0.015	0.015			
1/19/2013	0.013	0.014			
7/18/2013		0.013			
7/19/2013	0.012				
1/15/2014	0.012	0.013			
7/11/2014	0.012	0.016			
1/15/2015		0.012			
1/16/2015	0.011				
6/19/2015		0.015			
6/20/2015	0.013				
12/8/2015			0.021	0.053	0.057
12/14/2015			0.021	0.049	
12/15/2015					0.052
12/28/2015			0.02	0.048	0.041
1/13/2016			0.019		
1/14/2016	0.016			0.048	0.038
1/16/2016		0.013			
1/26/2016			0.019	0.044	0.034
4/19/2016				0.0308	0.023
4/20/2016	0.0113	0.0114	0.0188		
6/15/2016	0.013	0.0095 (J)	0.017		
6/16/2016				0.029	0.017
8/9/2016			0.018		
8/10/2016	0.01	0.0094			0.013
8/11/2016				0.023	
9/27/2016	0.01	0.011	0.016		
9/28/2016				0.024	0.013
11/15/2016	0.011	0.0096	0.017		0.013
11/16/2016				0.022	
1/11/2017			0.017	0.017	
1/12/2017	0.01	0.01			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/16/2017					0.014
3/1/2017	0.011	0.011	0.017	0.02	0.017
4/20/2017		0.01	0.016		
4/24/2017	0.01				
4/25/2017				0.02	0.015
7/19/2017			0.017		
7/20/2017		0.011			
7/24/2017	0.0089				
7/25/2017				0.017	0.012
1/11/2018	0.01	0.01	0.017		
1/12/2018				0.015	0.014
7/11/2018			0.017	0.013	0.018
7/12/2018	0.016	0.011			
1/29/2019			0.02		0.016
1/30/2019	0.014 (J)	0.011 (J)		0.02	
3/27/2019	0.013	0.0099	0.017	0.014	0.013
9/11/2019	0.011	0.01	0.021	0.018	0.015
4/1/2020		0.0097 (J)	0.019	0.013	0.013
4/2/2020	0.011				
9/15/2020	0.015		0.018	0.014	
9/16/2020		0.011			0.012
3/16/2021		0.01	0.017		0.0099 (J)
3/17/2021	0.016			0.013	
8/18/2021	0.011	0.01			
8/19/2021			0.017	0.013	0.0095 (J)
2/22/2022			0.019		
2/23/2022	0.01	0.01		0.012	0.01
8/2/2022	0.011		0.017	0.013	
8/3/2022		0.011			0.011
2/7/2023		0.011		0.012	
2/8/2023	0.011		0.02		0.01

Time Series

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	0.039	0.024		
12/14/2015	0.045	0.027		
12/29/2015	0.045	0.027		
1/14/2016	0.034	0.025		0.026
1/25/2016	0.038	0.023		
4/19/2016				0.0274
4/21/2016	0.0325	0.0165		
6/15/2016				0.024
6/16/2016	0.027	0.018	0.057	
8/10/2016	0.025	0.014	0.072	0.031
9/27/2016	0.023	0.018		0.029
9/28/2016			0.076	
11/15/2016	0.022	0.015		0.029
11/16/2016			0.057	
1/12/2017		0.014		
1/13/2017	0.021			0.025
1/17/2017			0.049	
3/1/2017	0.021	0.015		0.03
3/2/2017			0.067	
4/24/2017		0.015		0.024
4/25/2017	0.02		0.049	
7/13/2017			0.04	
7/24/2017				0.026
7/25/2017	0.02	0.015	0.038	
1/11/2018		0.016		
1/12/2018	0.021		0.037	0.027
7/11/2018	0.021	0.017		

Time Series

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			0.037	0.031
1/29/2019	0.017			
1/30/2019		0.017	0.034	0.032
3/27/2019	0.018	0.016	0.027	0.023
9/11/2019	0.021	0.019	0.023	0.029
4/1/2020	0.016	0.018	0.024	0.021
9/15/2020	0.021	0.021	0.024	
9/16/2020				0.033
3/16/2021	0.016			
3/17/2021		0.019	0.024	0.041
8/19/2021	0.017	0.018	0.019	0.024
2/22/2022	0.018			
2/23/2022		0.02	0.024	0.026
8/3/2022	0.018			0.03
8/4/2022		0.022	0.017	
2/8/2023	0.015	0.019	0.016	0.024

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	<0.0025	<0.0025	<0.0025	<0.0025	
12/14/2015				<0.0025	
12/15/2015	<0.0025	<0.0025	<0.0025		
12/28/2015			<0.0025	<0.0025	
12/29/2015		<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/16/2016					<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025	<0.0025	
4/19/2016					<0.0025
4/20/2016	<0.0025	<0.0025		<0.0025	
4/21/2016			<0.0025		
6/14/2016	7.1E-05 (J)	4.4E-05 (J)			6.5E-05 (J)
6/15/2016			3.8E-05 (J)	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	
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/10/2017					<0.0025
1/11/2017		<0.0025	<0.0025	<0.0025	
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025	<0.0025		<0.0025
3/1/2017				<0.0025	
4/19/2017					<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025	<0.0025	
7/17/2017					<0.0025
7/18/2017	<0.0025				
7/19/2017		<0.0025	<0.0025	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/10/2018	<0.0025				<0.0025
1/11/2018		<0.0025	<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	6.3E-05 (J)
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/27/2019					<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	<0.0025	0.00024 (J)
3/16/2021	0.0002 (J)	<0.0025		<0.0025	<0.0025
3/17/2021			<0.0025		
8/17/2021		<0.0025		<0.0025	0.00018 (J)
8/18/2021	<0.0025				
8/19/2021			<0.0025		
2/22/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/2/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/6/2023	<0.0025				
2/7/2023		<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/13/2004	<0.0025	<0.0025	<0.0025		<0.0025
7/11/2005	<0.0025	<0.0025	0.0011	<0.0025	<0.0025
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/9/2009	<0.0025	<0.0025	<0.0025	<0.0025	
7/10/2009					<0.0025
12/28/2009	<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	<0.0025	<0.0025
1/4/2011		<0.0025	<0.0025	<0.0025	<0.0025
1/5/2011	0.0018				
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			<0.0025
1/20/2012	<0.0025				
1/21/2012		<0.0025	<0.0025	<0.0025	<0.0025
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/19/2013	<0.0025		<0.0025		
1/20/2013		<0.0025		<0.0025	<0.0025
7/18/2013	<0.0025		<0.0025		
7/19/2013		<0.0025		<0.0025	<0.0025
1/15/2014	<0.0025		<0.0025	0.00016 (J)	
1/16/2014		<0.0025			<0.0025
7/10/2014		0.0001 (J)	<0.0025		<0.0025
7/11/2014	<0.0025			0.00018 (J)	
1/15/2015	<0.0025		<0.0025		
1/16/2015		<0.0025		0.00016 (J)	<0.0025
6/19/2015	<0.0025		0.00013 (J)		
6/20/2015		<0.0025		0.00017 (J)	0.00013 (J)
1/14/2016		<0.0025	<0.0025		
1/16/2016	<0.0025			8E-05 (J)	<0.0025
4/19/2016	<0.0025				
4/20/2016		<0.0025	<0.0025	<0.0025	
4/21/2016					<0.0025
6/14/2016	3.2E-05 (J)	8.7E-05 (J)	5.4E-05 (J)		
6/15/2016				0.00012 (J)	
6/16/2016					8.5E-05 (J)
8/9/2016	<0.0025		<0.0025		
8/10/2016				<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/14/2016	<0.0025	<0.0025			
11/15/2016			<0.0025	<0.0025	<0.0025
1/10/2017	<0.0025	<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/11/2017			<0.0025		
1/12/2017				<0.0025	<0.0025
1/19/2017			<0.0025		
1/23/2017				<0.0025	
1/24/2017			<0.0025		
2/28/2017	<0.0025	<0.0025	<0.0025		
3/1/2017				<0.0025	<0.0025
4/19/2017	<0.0025				
4/20/2017		<0.0025	<0.0025	<0.0025	
4/24/2017					<0.0025
7/18/2017	<0.0025	<0.0025	<0.0025		
7/19/2017				<0.0025	
7/24/2017					<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		
7/12/2018				<0.0025	<0.0025
1/29/2019	<0.0025	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	<0.0025
9/10/2019		0.0006 (J)	<0.0025		
9/11/2019	<0.0025			0.00021 (J)	<0.0025
3/31/2020		<0.0025	<0.0025		
4/1/2020	<0.0025			<0.0025	<0.0025
9/15/2020	<0.0025		<0.0025	<0.0025	<0.0025
9/16/2020		<0.0025			
3/16/2021	<0.0025			0.00022 (J)	0.00033 (J)
3/17/2021		<0.0025	<0.0025		
8/17/2021	<0.0025				
8/18/2021				0.00018 (J)	<0.0025
8/19/2021		<0.0025	<0.0025		
2/22/2022	<0.0025		<0.0025		
2/23/2022		<0.0025		<0.0025	<0.0025
8/2/2022	<0.0025		<0.0025		
8/3/2022		<0.0025		<0.0025	<0.0025
2/7/2023	<0.0025	<0.0025	<0.0025	<0.0025	
2/8/2023					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	<0.0025	<0.0025			
9/11/2004	<0.0025	<0.0025			
9/26/2004	<0.0025	<0.0025			
10/13/2004	<0.0025	<0.0025			
7/11/2005	<0.0025	<0.0025			
12/7/2005	<0.0025	<0.0025			
6/22/2006	<0.0025	<0.0025			
11/28/2006	<0.0025	<0.0025			
7/6/2007	<0.0025	<0.0025			
12/13/2007	<0.0025	<0.0025			
6/20/2008	<0.0025	<0.0025			
12/7/2008	<0.0025	<0.0025			
7/10/2009	<0.0025	<0.0025			
12/28/2009		<0.0025			
12/29/2009	<0.0025				
6/22/2010	<0.0025	<0.0025			
1/4/2011		<0.0025			
1/5/2011	<0.0025				
7/9/2011	<0.0025	<0.0025			
1/20/2012		<0.0025			
1/21/2012	<0.0025				
7/11/2012	<0.0025	<0.0025			
1/19/2013	<0.0025	<0.0025			
7/18/2013		<0.0025			
7/19/2013	<0.0025				
1/15/2014	<0.0025	0.00017 (J)			
7/11/2014	<0.0025	0.00024 (J)			
1/15/2015		0.00015 (J)			
1/16/2015	<0.0025				
6/19/2015		0.00016 (J)			
6/20/2015	<0.0025				
12/8/2015			0.00046 (J)	<0.0025	0.00018 (J)
12/14/2015			0.00052 (J)	<0.0025	
12/15/2015					0.00014 (J)
12/28/2015			0.00057 (J)	<0.0025	9E-05 (J)
1/13/2016			0.00056 (J)		
1/14/2016	<0.0025			<0.0025	0.0001 (J)
1/16/2016		0.00014 (J)			
1/26/2016			0.00057 (J)	<0.0025	0.00011 (J)
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.003 (o)		
6/15/2016	<0.0025	0.00014 (J)	0.00056 (J)		
6/16/2016				<0.0025	0.00011 (J)
8/9/2016			0.00054 (J)		
8/10/2016	<0.0025	<0.0025			<0.0025
8/11/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	0.00056 (J)		
9/28/2016				<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	0.00047 (J)		<0.0025
11/16/2016				<0.0025	
1/11/2017			0.00066 (J)	<0.0025	
1/12/2017	<0.0025	<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/16/2017					<0.0025
3/1/2017	<0.0025	<0.0025	0.00066 (J)	<0.0025	<0.0025
4/20/2017		<0.0025	0.00055 (J)		
4/24/2017	<0.0025				
4/25/2017				<0.0025	<0.0025
7/19/2017			0.00061 (J)		
7/20/2017		<0.0025			
7/24/2017	<0.0025				
7/25/2017				<0.0025	<0.0025
1/11/2018	<0.0025	<0.0025	0.00064 (J)		
1/12/2018				<0.0025	<0.0025
7/11/2018			0.00065 (J)	<0.0025	<0.0025
7/12/2018	<0.0025	<0.0025			
1/29/2019			0.00062 (J)		0.00023 (J)
1/30/2019	<0.0025	<0.0025		<0.0025	
3/27/2019	<0.0025	<0.0025	0.00062	<0.0025	<0.0025
9/11/2019	<0.0025	0.00022 (J)	0.001	0.00026 (J)	0.00058 (J)
4/1/2020		<0.0025	0.00058 (J)	<0.0025	<0.0025
4/2/2020	0.00023 (J)				
9/15/2020	<0.0025		0.00063 (J)	<0.0025	
9/16/2020		<0.0025			0.00022 (J)
3/16/2021		0.00037 (J)	0.00062 (J)		0.00024 (J)
3/17/2021	0.00048 (J)			<0.0025	
8/18/2021	<0.0025	<0.0025			
8/19/2021			0.00057 (J)	<0.0025	<0.0025
2/22/2022			0.00078 (J)		
2/23/2022	<0.0025	<0.0025		<0.0025	0.00031 (J)
8/2/2022	<0.0025		0.00057 (J)	<0.0025	
8/3/2022		0.00027 (J)			<0.0025
2/7/2023		<0.0025		<0.0025	
2/8/2023	<0.0025		0.00071 (J)		0.00022 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	0.00026 (J)	<0.0025		
12/14/2015	0.00032 (J)	<0.0025		
12/29/2015	0.00043 (J)	<0.0025		
1/14/2016	0.00032 (J)	<0.0025		<0.0025
1/25/2016	0.00038 (J)	<0.0025		
4/19/2016				<0.0025
4/21/2016	<0.0025	<0.0025		
6/15/2016				7.7E-05 (J)
6/16/2016	0.00032 (J)	<0.0025	<0.0025	
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025
9/27/2016	<0.0025	0.00064 (J)		<0.0025
9/28/2016			<0.0025	
11/15/2016	<0.0025	<0.0025		<0.0025
11/16/2016			<0.0025	
1/12/2017		<0.0025		
1/13/2017	<0.0025			<0.0025
1/17/2017			<0.0025	
3/1/2017	<0.0025	<0.0025		<0.0025
3/2/2017			<0.0025	
4/24/2017		<0.0025		<0.0025
4/25/2017	<0.0025		<0.0025	
7/13/2017			<0.0025	
7/24/2017				<0.0025
7/25/2017	<0.0025	<0.0025	<0.0025	
1/11/2018		<0.0025		
1/12/2018	<0.0025		<0.0025	<0.0025
7/11/2018	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			<0.0025	<0.0025
1/29/2019	0.00016 (J)			
1/30/2019		<0.0025	<0.0025	<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.00052 (J)	0.00054 (J)	0.00026 (J)	0.00021 (J)
4/1/2020	<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	0.00025 (J)	<0.0025	<0.0025	
9/16/2020				<0.0025
3/16/2021	0.00022 (J)			
3/17/2021		<0.0025	0.00018 (J)	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
8/3/2022	0.00031 (J)			<0.0025
8/4/2022		<0.0025	<0.0025	
2/8/2023	<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
4/19/2016					<0.08
4/20/2016	<0.08	<0.08		<0.08	
4/21/2016			<0.08		
6/14/2016	0.0086 (J)	0.0098 (J)			0.012 (J)
6/15/2016			0.0095 (J)	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	
11/15/2016	<0.08	<0.08	<0.08	<0.08	<0.08
1/10/2017					<0.08
1/11/2017		<0.08	<0.08	<0.08	
1/12/2017	<0.08				
2/28/2017	<0.08	<0.08	<0.08		0.022 (J)
3/1/2017				<0.08	
4/19/2017					<0.08
4/20/2017	<0.08	<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
1/11/2018		<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	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08	<0.08	
3/27/2019					<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	<0.08	0.042 (J)
9/15/2020	<0.08	<0.08	<0.08	<0.08	<0.08
3/16/2021	<0.08	<0.08		<0.08	<0.08
3/17/2021			<0.08		
8/17/2021		0.1		0.061 (J)	0.069 (J)
8/18/2021	0.044 (J)				
8/19/2021			<0.08		
2/22/2022	<0.08	<0.08	<0.08	<0.08	0.11
8/2/2022	<0.08	<0.08	<0.08	<0.08	<0.08
2/6/2023	<0.08				
2/7/2023		<0.08	<0.08	<0.08	<0.08

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
4/19/2016	<0.08				
4/20/2016		<0.08	<0.08	<0.08	
4/21/2016					<0.08
6/14/2016	0.0077 (J)	0.01 (J)	0.011 (J)		
6/15/2016				0.017 (J)	
6/16/2016					0.017 (J)
8/9/2016	<0.08		<0.08		
8/10/2016				<0.08	<0.08
8/11/2016		<0.08			
9/27/2016	<0.08	<0.08	<0.08	<0.08	<0.08
11/14/2016	<0.08	<0.08			
11/15/2016			<0.08	<0.08	0.021 (J)
1/10/2017	<0.08	<0.08			
1/11/2017			<0.08		
1/12/2017				<0.08	0.041 (J)
2/28/2017	<0.08	<0.08	<0.08		
3/1/2017				<0.08	0.052
4/19/2017	<0.08				
4/20/2017		<0.08	<0.08	<0.08	
4/24/2017					0.064
10/10/2017		<0.08			
10/11/2017	<0.08		<0.08	<0.08	
10/12/2017					0.06
12/12/2017					0.086
1/10/2018	<0.08	<0.08	<0.08		
1/11/2018				<0.08	0.06
7/11/2018	<0.08	<0.08	<0.08		
7/12/2018				<0.08	0.054
1/29/2019	<0.08	<0.08	<0.08		
1/30/2019				<0.08	0.055
3/26/2019		<0.08	<0.08		
3/27/2019	<0.08			<0.08	0.05
9/10/2019		0.052 (J)	<0.08		
9/11/2019	<0.08			<0.08	0.067 (J)
3/31/2020		<0.08	<0.08		
4/1/2020	<0.08			<0.08	0.068 (J)
9/15/2020	0.061 (J)		0.047 (J)	<0.08	0.062 (J)
9/16/2020		0.056 (J)			
3/16/2021	<0.08			<0.08	0.045 (J)
3/17/2021		<0.08	<0.08		
8/17/2021	<0.08				
8/18/2021				0.046 (J)	0.069 (J)
8/19/2021		<0.08	<0.08		
2/22/2022	0.065 (J)		<0.08		
2/23/2022		0.096		<0.08	0.069 (J)
8/2/2022	<0.08		<0.08		
8/3/2022		<0.08		0.064 (J)	<0.08
2/7/2023	<0.08	0.022 (J)	0.024 (J)	<0.08	
2/8/2023					0.043 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
4/19/2016				<0.08	<0.08
4/20/2016	<0.08	<0.08	<0.08		
6/15/2016	0.011 (J)	0.01 (J)	0.0095 (J)		
6/16/2016				0.011 (J)	0.0069 (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	<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	<0.08		
4/24/2017	<0.08				
4/25/2017				<0.08	<0.08
10/11/2017	<0.08		<0.08		
10/12/2017		<0.08		<0.08	<0.08
1/11/2018	<0.08	<0.08	<0.08		
1/12/2018				<0.08	<0.08
7/11/2018			<0.08	<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		<0.08	
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08
4/1/2020		<0.08	<0.08	<0.08	<0.08
4/2/2020	0.066 (J)				
9/15/2020	<0.08		<0.08	<0.08	
9/16/2020		<0.08			0.046 (J)
3/16/2021		<0.08	<0.08		<0.08
3/17/2021	<0.08			<0.08	
8/18/2021	<0.08	<0.08			
8/19/2021			<0.08	<0.08	<0.08
2/22/2022			<0.08		
2/23/2022	<0.08	<0.08		<0.08	<0.08
8/2/2022	<0.08		<0.08	<0.08	
8/3/2022		<0.08			<0.08
2/7/2023		<0.08		<0.08	
2/8/2023	0.022 (J)		<0.08		0.024 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
4/19/2016				<0.08
4/21/2016	<0.08	<0.08		
6/15/2016				0.018 (J)
6/16/2016	0.012 (J)	0.012 (J)	0.017 (J)	
8/10/2016	<0.08	<0.08	<0.08	<0.08
9/27/2016	<0.08	<0.08		<0.08
9/28/2016			<0.08	
11/15/2016	<0.08	<0.08		<0.08
11/16/2016			<0.08	
1/12/2017		<0.08		
1/13/2017	<0.08			<0.08
1/17/2017			<0.08	
3/1/2017	<0.08	<0.08		<0.08
3/2/2017			<0.08	
4/24/2017		<0.08		<0.08
4/25/2017	<0.08		<0.08	
7/13/2017			<0.08	
10/12/2017	<0.08	<0.08	<0.08	<0.08
1/11/2018		<0.08		
1/12/2018	<0.08		<0.08	<0.08
7/11/2018	<0.08	<0.08		
7/12/2018			<0.08	<0.08
1/29/2019	<0.08			
1/30/2019		<0.08	<0.08	<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08
9/11/2019	0.042 (J)	0.055 (J)	0.04 (J)	<0.08
4/1/2020	<0.08	<0.08	<0.08	<0.08
9/15/2020	<0.08	<0.08	<0.08	
9/16/2020				0.042 (J)
3/16/2021	<0.08			
3/17/2021		<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	<0.08	<0.08
8/3/2022	<0.08			<0.08
8/4/2022		<0.08	<0.08	
2/8/2023	<0.08	0.027 (J)	<0.08	0.026 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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					<0.0025
7/11/2014					<0.0025
1/16/2015					<0.0025
6/20/2015					<0.0025
12/7/2015	<0.0025	<0.0025	<0.0025	<0.0025	
12/14/2015				<0.0025	
12/15/2015	<0.0025	<0.0025	<0.0025		
12/28/2015			<0.0025	<0.0025	
12/29/2015	<0.0025	<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/16/2016					<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025	<0.0025	
4/19/2016					<0.0025
4/20/2016	<0.0025	<0.0025		<0.0025	
4/21/2016			<0.0025		
6/14/2016	0.001	6.2E-05 (J)			<0.0025
6/15/2016			<0.0025	<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	
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/10/2017					<0.0025
1/11/2017		<0.0025	<0.0025	<0.0025	
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025	<0.0025		<0.0025
3/1/2017				<0.0025	
4/19/2017					<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025	<0.0025	
7/17/2017					<0.0025
7/18/2017	<0.0025				
7/19/2017		<0.0025	<0.0025	<0.0025	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/10/2018	<0.0025				<0.0025
1/11/2018		<0.0025	<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	<0.0025	
3/27/2019					<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
3/17/2021			<0.0025		
8/17/2021		0.00036 (J)		<0.0025	<0.0025
8/18/2021	<0.0025				
8/19/2021			<0.0025		
2/22/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/2/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/6/2023	<0.0025				
2/7/2023		<0.0025	<0.0025	<0.0025	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/13/2004	<0.0025	<0.0025	<0.0025		<0.0025
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/9/2009	<0.0025	<0.0025	<0.0025	<0.0025	
7/10/2009					<0.0025
12/28/2009	<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	<0.0025	<0.0025
1/4/2011		<0.0025	<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			<0.0025
1/20/2012	<0.0025				
1/21/2012		<0.0025	<0.0025	<0.0025	<0.0025
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/19/2013	<0.0025		<0.0025		
1/20/2013		<0.0025		<0.0025	<0.0025
7/18/2013	<0.0025		<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			<0.0025
7/10/2014		<0.0025	<0.0025		<0.0025
7/11/2014	<0.0025			<0.0025	
1/15/2015	<0.0025		<0.0025		
1/16/2015		<0.0025		<0.0025	<0.0025
6/19/2015	<0.0025		<0.0025		
6/20/2015		<0.0025		<0.0025	<0.0025
1/14/2016		<0.0025	<0.0025		
1/16/2016	<0.0025			<0.0025	<0.0025
4/19/2016	<0.0025				
4/20/2016		0.000111 (J)	<0.0025	<0.0025	
4/21/2016					<0.0025
6/14/2016	<0.0025	0.00013 (J)	<0.0025		
6/15/2016				<0.0025	
6/16/2016					<0.0025
8/9/2016	<0.0025		<0.0025		
8/10/2016				<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/14/2016	<0.0025	<0.0025			
11/15/2016			<0.0025	<0.0025	<0.0025
1/10/2017	<0.0025	<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/11/2017			<0.0025		
1/12/2017				<0.0025	<0.0025
1/19/2017			<0.0025		
1/23/2017				<0.0025	
1/24/2017			<0.0025		
2/28/2017	<0.0025	<0.0025	<0.0025		
3/1/2017				<0.0025	<0.0025
4/19/2017	<0.0025				
4/20/2017		<0.0025	<0.0025	<0.0025	
4/24/2017					<0.0025
7/18/2017	<0.0025	<0.0025	<0.0025		
7/19/2017				<0.0025	
7/24/2017					<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		
7/12/2018				<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025		
1/30/2019				<0.0025	<0.0025
3/26/2019		<0.0025	<0.0025		
3/27/2019	<0.0025			<0.0025	<0.0025
9/10/2019		0.00019 (J)	<0.0025		
9/11/2019	<0.0025			<0.0025	<0.0025
3/31/2020		<0.0025	<0.0025		
4/1/2020	<0.0025			<0.0025	<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		
8/17/2021	<0.0025				
8/18/2021				<0.0025	<0.0025
8/19/2021		<0.0025	<0.0025		
2/22/2022	<0.0025		<0.0025		
2/23/2022		0.00024 (J)		<0.0025	<0.0025
8/2/2022	<0.0025		<0.0025		
8/3/2022		<0.0025		0.0001 (J)	<0.0025
2/7/2023	<0.0025	<0.0025	<0.0025	<0.0025	
2/8/2023					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	<0.0025	<0.0025			
9/11/2004	<0.0025	<0.0025			
9/26/2004	<0.0025	<0.0025			
10/13/2004	<0.0025	<0.0025			
7/11/2005	<0.0025	<0.0025			
12/7/2005	<0.0025	<0.0025			
6/22/2006	<0.0025	<0.0025			
11/28/2006	<0.0025	<0.0025			
7/6/2007	<0.0025	<0.0025			
12/13/2007	<0.0025	<0.0025			
6/20/2008	<0.0025	<0.0025			
12/7/2008	<0.0025	<0.0025			
7/10/2009	<0.0025	<0.0025			
12/28/2009		<0.0025			
12/29/2009	<0.0025				
6/22/2010	<0.0025	<0.0025			
1/4/2011		<0.0025			
1/5/2011	<0.0025				
7/9/2011	<0.0025	<0.0025			
1/20/2012		<0.0025			
1/21/2012	<0.0025				
7/11/2012	<0.0025	<0.0025			
1/19/2013	<0.0025	<0.0025			
7/18/2013		<0.0025			
7/19/2013	<0.0025				
1/15/2014	<0.0025	<0.0025			
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				
12/8/2015			0.00049 (J)	<0.0025	<0.0025
12/14/2015			0.00053 (J)	<0.0025	
12/15/2015					<0.0025
12/28/2015			0.00061 (J)	<0.0025	<0.0025
1/13/2016			0.00063 (J)		
1/14/2016	<0.0025			<0.0025	<0.0025
1/16/2016		<0.0025			
1/26/2016			0.00072 (J)	<0.0025	<0.0025
4/19/2016				<0.0025	0.00017 (J)
4/20/2016	<0.0025	<0.0025	0.000633 (J)		
6/15/2016	<0.0025	<0.0025	0.00055 (J)		
6/16/2016				8.5E-05 (J)	0.00018 (J)
8/9/2016			0.00046 (J)		
8/10/2016	<0.0025	<0.0025			<0.0025
8/11/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	0.00071 (J)		
9/28/2016				<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	0.00056 (J)		<0.0025
11/16/2016				<0.0025	
1/11/2017			0.0007 (J)	<0.0025	
1/12/2017	<0.0025	<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/16/2017					<0.0025
3/1/2017	<0.0025	<0.0025	0.00063 (J)	<0.0025	<0.0025
4/20/2017		<0.0025	0.00055 (J)		
4/24/2017	<0.0025				
4/25/2017				<0.0025	<0.0025
7/19/2017			0.00072 (J)		
7/20/2017		<0.0025			
7/24/2017	<0.0025				
7/25/2017				<0.0025	<0.0025
1/11/2018	<0.0025	<0.0025	0.00062 (J)		
1/12/2018				<0.0025	<0.0025
7/11/2018			0.0004 (J)	<0.0025	<0.0025
7/12/2018	<0.0025	<0.0025			
1/29/2019			0.00062 (J)		0.0002 (J)
1/30/2019	<0.0025	<0.0025		<0.0025	
3/27/2019	<0.0025	<0.0025	0.00041	<0.0025	<0.0025
9/11/2019	<0.0025	<0.0025	0.00064 (J)	<0.0025	0.00031 (J)
4/1/2020		<0.0025	0.00048 (J)	<0.0025	<0.0025
4/2/2020	<0.0025				
9/15/2020	<0.0025		0.00046 (J)	<0.0025	
9/16/2020		<0.0025			<0.0025
3/16/2021		<0.0025	0.00057 (J)		<0.0025
3/17/2021	<0.0025			<0.0025	
8/18/2021	<0.0025	<0.0025			
8/19/2021			0.00057 (J)	<0.0025	<0.0025
2/22/2022			0.00064 (J)		
2/23/2022	<0.0025	<0.0025		<0.0025	<0.0025
8/2/2022	<0.0025		0.00057 (J)	<0.0025	
8/3/2022		<0.0025			0.00016 (J)
2/7/2023		<0.0025		<0.0025	
2/8/2023	<0.0025		0.00058 (J)		0.00018 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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				<0.0025
1/16/2015				<0.0025
6/20/2015				<0.0025
12/9/2015	<0.0025	<0.0025		
12/14/2015	0.00031 (J)	<0.0025		
12/29/2015	0.00075 (J)	<0.0025		
1/14/2016	0.00039 (J)	<0.0025		<0.0025
1/25/2016	0.00078 (J)	<0.0025		
4/19/2016				<0.0025
4/21/2016	0.00052 (J)	<0.0025		
6/15/2016				<0.0025
6/16/2016	0.00044 (J)	0.00012 (J)	<0.0025	
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025
9/27/2016	<0.0025	0.00062 (J)		<0.0025
9/28/2016			<0.0025	
11/15/2016	<0.0025	<0.0025		<0.0025
11/16/2016			<0.0025	
1/12/2017		<0.0025		
1/13/2017	0.00036 (J)			<0.0025
1/17/2017			<0.0025	
3/1/2017	<0.0025	<0.0025		<0.0025
3/2/2017			<0.0025	
4/24/2017		<0.0025		<0.0025
4/25/2017	<0.0025		<0.0025	
7/13/2017			<0.0025	
7/24/2017				<0.0025
7/25/2017	<0.0025	<0.0025	<0.0025	
1/11/2018		<0.0025		
1/12/2018	<0.0025		<0.0025	<0.0025
7/11/2018	<0.0025	<0.0025		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			<0.0025	<0.0025
1/29/2019	0.00016 (J)			
1/30/2019		0.00014 (J)	0.00015 (J)	<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.00029 (J)	0.00029 (J)	0.00018 (J)	<0.0025
4/1/2020	<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	<0.0025	<0.0025	<0.0025	
9/16/2020				<0.0025
3/16/2021	<0.0025			
3/17/2021		<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	<0.0025	<0.0025
8/3/2022	0.00016 (J)			0.00011 (J)
8/4/2022		0.00014 (J)	<0.0025	
2/8/2023	0.00011 (J)	<0.0025	0.00013 (J)	9.5E-05 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
4/19/2016					0.485 (J)
4/20/2016	0.389 (J)	0.686		0.472 (J)	
4/21/2016			0.686		
6/14/2016	0.37 (J)	0.62			0.72
6/15/2016			0.61	0.42 (J)	
8/9/2016	0.14 (J)	0.39	0.21 (J)	0.19	0.24 (J)
9/26/2016					0.48
9/27/2016	0.33	0.52	0.4	0.39	
11/15/2016	0.28	0.5	0.35	0.39	0.54
1/10/2017					0.62
1/11/2017		0.47	0.34	0.36	
1/12/2017	0.37				
2/28/2017	0.26	0.47	0.37		0.91
3/1/2017				0.38	
4/19/2017					0.75
4/20/2017	0.27	0.5	0.43	0.41	
10/10/2017					0.54
10/11/2017	0.3	0.49	0.41	0.4	
1/10/2018	0.27				0.52
1/11/2018		0.51	0.41	0.43	
7/11/2018	0.32	0.47	0.53	0.45	0.5
1/29/2019	0.33	0.51	0.91	0.41	0.53
3/26/2019	0.3	0.42	0.58	0.37	
3/27/2019					0.37
9/10/2019	0.37 (J)	0.47 (J)		0.41 (J)	
9/11/2019			0.42 (J)		0.43 (J)
3/31/2020	0.42 (J)				
4/1/2020		0.49 (J)	2.3	0.43 (J)	0.47 (J)
9/15/2020	0.32 (J)	0.6	0.38 (J)	0.42 (J)	0.42 (J)
3/16/2021	0.4 (J)	0.51		0.48 (J)	0.4 (J)
3/17/2021			5.5		
8/17/2021		0.47 (J)		0.46 (J)	0.4 (J)
8/18/2021	0.51				
8/19/2021			0.49 (J)		
2/22/2022	0.35 (J)	0.52	0.92	0.43 (J)	0.42 (J)
8/2/2022	0.36 (J)	0.7	0.42 (J)	0.44 (J)	0.51
2/6/2023	0.53				
2/7/2023		0.58	1.9	0.45 (J)	0.38 (J)

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
4/19/2016	1.13				
4/20/2016		1.12	4.39	3.22	
4/21/2016					13.9
6/14/2016	1	1.1	2.4		
6/15/2016				3	
6/16/2016					18.9
8/9/2016	0.71		2		
8/10/2016				2.1	13
8/11/2016		1.9			
9/27/2016	0.77	3.4	2.9	2.3	14
11/14/2016	0.75	3.1			
11/15/2016			2.5	2.4	13
1/10/2017	0.73	1.5			
1/11/2017			2.5		
1/12/2017				2.5	14
2/28/2017	0.76	1.1	2.7		
3/1/2017				2.7	15
4/19/2017	0.69				
4/20/2017		0.98	2.8	2.6	
4/24/2017					14
10/10/2017		0.8			
10/11/2017	0.73		3.3	2.4	
10/12/2017					16
12/12/2017					23
1/10/2018	0.88	0.82	3.3		
1/11/2018				2.4	15
7/11/2018	0.81	1	3		
7/12/2018				1.8	27
1/29/2019	0.85	0.83	3.3		
1/30/2019				2.5	26
3/26/2019		0.53	2.8		
3/27/2019	0.73			2.4	22
9/10/2019		0.64	2.3		
9/11/2019	0.76			1.4	26
3/31/2020		0.8	2.9		
4/1/2020	0.72			1.9	21
9/15/2020	0.84		2.2	1.3	27
9/16/2020		0.43 (J)			
3/16/2021	0.75			1.6	18
3/17/2021		0.33 (J)	2.4		
8/17/2021	0.81				
8/18/2021				1.1	23
8/19/2021		0.3 (J)	2.4		
2/22/2022	0.72		2.3		
2/23/2022		0.35 (J)		1.4	22
8/2/2022	0.7		2.5		
8/3/2022		1.1		2.6	21
2/7/2023	0.66	0.46 (J)	2.1	1	
2/8/2023					22

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
4/19/2016				26	10.3
4/20/2016	8.94	0.69	2.48		
6/15/2016	10.6	0.69	2.2		
6/16/2016				33.2	10.4
8/9/2016			1.8		
8/10/2016	7.6	0.45			6.7
8/11/2016				18	
9/27/2016	8.7	0.61	1.9		
9/28/2016				17	6.9
11/15/2016	8.4	0.61	2.1		7.5
11/16/2016				17	
1/11/2017			2	15	
1/12/2017	8.1	0.6			
1/16/2017					8
3/1/2017	8.9	0.61	2.1	16	8.5
4/20/2017		0.65	2		
4/24/2017	8.8				
4/25/2017				17	8.2
10/11/2017	10		2.1		
10/12/2017		0.76		14	9.5
12/12/2017					9.1
12/13/2017	11			12	
1/11/2018	9.3	0.78	2.1		
1/12/2018				15	9.5
7/11/2018			2.1	12	10
7/12/2018	13	0.67			
1/29/2019			2.2		9.2
1/30/2019	11	0.68 (J)		14	
3/27/2019	13	0.62	2	11	9.2
9/11/2019	9.3	0.62	2	13	8.2
4/1/2020		0.7	2.1	11	8.7
4/2/2020	8.5				
9/15/2020	13		2	10	
9/16/2020		0.64			7.6
3/16/2021		0.62	2		7
3/17/2021	14			9.1	
8/18/2021	10	0.75			
8/19/2021			2.2	9.3	6.9
2/22/2022			2		
2/23/2022	8.1	0.64		9.1	6.3
8/2/2022	9.6		2	11	
8/3/2022		0.82			6.5
2/7/2023		0.73		15	
2/8/2023	9.6		2.4		6.4

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
4/19/2016				0.431 (J)
4/21/2016	2.29	2.78		
6/15/2016				0.27 (J)
6/16/2016	2.4	2.9	15.6	
8/10/2016	1.4	0.99	10	0.13 (J)
9/27/2016	1.4	1.3		0.21 (J)
9/28/2016			8.5	
11/15/2016	1.3	1.1		0.27
11/16/2016			8.4	
1/12/2017		0.93		
1/13/2017	1.3			0.41
1/17/2017			3	
3/1/2017	1.4	1		0.25
3/2/2017			3.3	
4/24/2017		1.1		0.34
4/25/2017	1.4		2.5	
7/13/2017			2.1	
10/12/2017	1.7	1.1	1.5	0.21 (J)
1/11/2018		1		
1/12/2018	1.7		1.4	0.4
7/11/2018	1.7	1.1		
7/12/2018			1.2	0.49
1/29/2019	1.8			
1/30/2019		1 (J)	1.1 (J)	0.38 (J)
3/27/2019	1.5	1.1	1.4	0.28
9/11/2019	1.5	1	1.4	0.44 (J)
4/1/2020	1.8	1.1	1.4	0.2 (J)
9/15/2020	1.5	1.1	1.3	
9/16/2020				0.45 (J)
3/16/2021	1.4			
3/17/2021		1.1	0.99	0.51
8/19/2021	1.3	1.2	1.1	0.67
2/22/2022	1.3			
2/23/2022		1.1	0.92	1
8/3/2022	1.4			2.8
8/4/2022		1.1	0.51	
2/8/2023	1.4	1	1.2	2.9

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
4/19/2016					5.01
4/20/2016	3.49	4.55		3.92	
4/21/2016			3.99		
6/14/2016	3.4	4.3			5
6/15/2016			3.5	3.8	
8/9/2016	3.7	4.5	4	4	5.1
9/26/2016					5.1
9/27/2016	3.8	4.4	3.9	3.9	
11/15/2016	3.8	4.5	4	4	5.2
1/10/2017					4.9
1/11/2017		4.3	3.8	3.7	
1/12/2017	3.5				
2/28/2017	3.6	4	3.5		4.7
3/1/2017				3.5	
4/19/2017					4.4
4/20/2017	3.4	4	3.3	3.6	
10/10/2017					4.7
10/11/2017	3.4	4	3.5	3.5	
1/10/2018	3.4				4.6
1/11/2018		3.9	3.4	3.4	
7/11/2018	3.4	4.2	3.8	3.7	5
1/29/2019	3.6	4	3.7	3.8	5
3/26/2019	3.5	4.1	3.8	3.6	
3/27/2019					4.5
9/10/2019	3.3	4		3.7	
9/11/2019			3.7		4.8
3/31/2020	3.7				
4/1/2020		4.2	3.8	3.8	4.9
9/15/2020	3.5	4.3	3.6	3.7	4.9
3/16/2021	4	4.1		4.1	4.9
3/17/2021			4		
8/17/2021		4.3		4	5.4
8/18/2021	4.1				
8/19/2021			4.3		
2/22/2022	3.8	4	3.7	3.7	4.6
8/2/2022	3.7	4.3	3.7	3.9	4.7
2/6/2023	3.3				
2/7/2023		4	3.6	3.7	4.2

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
4/19/2016	9.4				
4/20/2016		2.93	3.69	6.68	
4/21/2016					6.41
6/14/2016	8.3	2.9	3.5		
6/15/2016				7	
6/16/2016					6
8/9/2016	8.6		3.7		
8/10/2016				7	6.8
8/11/2016		3.6			
9/27/2016	6.3	3.4	3.6	6.4	6.1
11/14/2016	6.1	4.2			
11/15/2016			3.7	6.6	6.7
1/10/2017	6.1	3.6			
1/11/2017			3.5		
1/12/2017				7.3	6.5
2/28/2017	6.2	3.3	3.3		
3/1/2017				7.5	6.3
4/19/2017	5				
4/20/2017		3.5	3.3	6.8	
4/24/2017					6.1
10/10/2017		3.9			
10/11/2017	4.1		3.2	7	
10/12/2017					6
1/10/2018	4.2	3.3	3.2		
1/11/2018				7.5	5.9
7/11/2018	4.3	3.2	3.5		
7/12/2018				7	5.1
1/29/2019	4	3.4	3.6		
1/30/2019				6.8	5.6
3/26/2019		3.7	3.6		
3/27/2019	3.5			6.8	5.3
9/10/2019		3.6	3.5		
9/11/2019	3.5			6	5.4
3/31/2020		4.9	4.1		
4/1/2020	3.7			5.9	6.9
9/15/2020	3.4		18 (o)	6.1	6.2
9/16/2020		3.5			
3/16/2021	3.6			5.8	7.2
3/17/2021		4.5	4.2		
8/17/2021	3.5				
8/18/2021				5.3	6.8
8/19/2021		3.5	4.3		
2/22/2022	3.4		3.8		
2/23/2022		3.7		5.6	6.8
8/2/2022	3.5		4		
8/3/2022		3.4		5.5	6.4
2/7/2023	3.1	3.2	3.8	4.5	
2/8/2023					5.6

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
4/19/2016				5.03	6.1
4/20/2016	4.9	3.61	4.25		
6/15/2016	4.6	3.3	4.1		
6/16/2016				4.7	5.7
8/9/2016			4.5		
8/10/2016	5.1	3.8			6.2
8/11/2016				5.3	
9/27/2016	4.9	3.7	4.4		
9/28/2016				5.1	6.9
11/15/2016	5	3.9	4.5		7.8
11/16/2016				5.2	
1/11/2017			4.2	5	
1/12/2017	4.7	3.6			
1/16/2017					8.6
3/1/2017	4.4	3.4	3.9	4.6	8.3
4/20/2017		3.5	4		
4/24/2017	4.4				
4/25/2017				4.6	8.4
10/11/2017	4.5		4.1		
10/12/2017		3.5		4.6	8.7
1/11/2018	4.3	3.4	4.1		
1/12/2018				4.5	9
7/11/2018			4.4	4.9	9.1
7/12/2018	4.3	3.7			
1/29/2019			4.5		8.2
1/30/2019	4.6	3.7		4.8	
3/27/2019	4	3.3	4.1	4.3	7.5
9/11/2019	4.4	3.5	4.3	4.5	7.7
4/1/2020		3.7	4.6	4.7	7.3
4/2/2020	4.6				
9/15/2020	4.1		4.3	4.4	
9/16/2020		3.5			6.5
3/16/2021		3.8	4.9		6.5
3/17/2021	4.6			4.7	
8/18/2021	5.2	3.9			
8/19/2021			4.8	5.1	6.7
2/22/2022			4.5		
2/23/2022	4.8	4.1		5	5.8
8/2/2022	4.6		4.7	4.6	
8/3/2022		3.9			5.9
2/7/2023		3.5		4.3	
2/8/2023	4.3		4.5		5.2

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
4/19/2016				14.4
4/21/2016	11.6	6.08		
6/15/2016				12
6/16/2016	10	5.8	5.1	
8/10/2016	10	6.5	4.4	13
9/27/2016	8.9	6.4		12
9/28/2016			4	
11/15/2016	8.5	6.4		11
11/16/2016			4.1	
1/12/2017		6.3		
1/13/2017	8.3			11
1/17/2017			4.3	
3/1/2017	7.9	5.9		11
3/2/2017			4	
4/24/2017		5.9		9.3
4/25/2017	8.2		4.1	
7/13/2017			4.2	
10/12/2017	9.1	6.1	4.3	9.8
12/12/2017				10
1/11/2018		5.8		
1/12/2018	9		4.3	9
7/11/2018	9.9	6.4		
7/12/2018			4.9	9.4
9/13/2018	8.9			9.1
1/29/2019	8.8			
1/30/2019		6.7	7.4	9.1
3/27/2019	8.9	6.3	4.2	10
6/17/2019				9.4
9/11/2019	8.7	6.7	4.6	9.3
4/1/2020	8.6	6.5	4.9	9.7
9/15/2020	8.7	6.5	5	
9/16/2020				8.6
3/16/2021	8			
3/17/2021		6.7	5.5	9.5
8/19/2021	8.8	6.7	6	7.9
2/22/2022	7.7			
2/23/2022		7.3	5.2	9.9
8/3/2022	7.3			8.6
8/4/2022		6.7	5.5	
2/8/2023	6.8	5.9	4.9	7.4

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	<0.002	<0.002	<0.002	<0.002	
12/14/2015				<0.002	
12/15/2015	<0.002	<0.002	<0.002		
12/28/2015			<0.002	<0.002	
12/29/2015	<0.002	<0.002			
1/16/2016					0.0015
1/25/2016	<0.002	<0.002	<0.002	<0.002	
4/19/2016					<0.0025
4/20/2016	<0.01 (o)	<0.002		<0.002	
4/21/2016			<0.002		
6/14/2016	0.0094 (J)	0.00086 (J)			0.0017 (J)
6/15/2016			0.0008 (J)	0.00072 (J)	
8/9/2016	<0.002	<0.002	<0.002	<0.002	0.0014 (J)
9/26/2016					0.0016 (J)
9/27/2016	<0.002	<0.002	<0.002	<0.002	
11/15/2016	<0.002	<0.002	<0.002	0.0011 (J)	0.0015 (J)
1/10/2017					0.0015 (J)
1/11/2017		<0.002	<0.002	0.0012 (J)	
1/12/2017	<0.002				
2/28/2017	0.0049	0.0047	0.0051		0.0044
3/1/2017				0.0052	
4/19/2017					0.0011 (J)
4/20/2017	0.0011 (J)	<0.002	0.0012 (J)	0.0013 (J)	
7/17/2017					0.0011 (J)
7/18/2017	<0.002				
7/19/2017		<0.002	0.0013 (J)	0.0015 (J)	
1/10/2018	<0.002				0.0014 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/11/2018		<0.002	0.0011 (J)	0.0013 (J)	
7/11/2018	<0.002	<0.002	<0.002	0.0012 (J)	0.0011 (J)
1/29/2019	0.0037 (J)	<0.002	<0.002	<0.002	<0.0025
3/26/2019	0.0014	<0.002	0.0016	0.0015	
3/27/2019					0.0016
9/10/2019	0.0052	0.004		0.004	
9/11/2019			0.0038		0.004
3/31/2020	0.0019 (J)				
4/1/2020		<0.002	0.0015 (J)	0.024	0.0017 (J)
9/15/2020	<0.002	<0.002	<0.002	0.0015 (J)	0.0015 (J)
3/16/2021	<0.002	<0.002		0.0017 (J)	0.0015 (J)
3/17/2021			<0.002		
8/17/2021		<0.002		0.0019 (J)	0.0016 (J)
8/18/2021	<0.002				
8/19/2021			<0.002		
2/22/2022	<0.002	<0.002	<0.002	0.0015 (J)	0.0018 (J)
8/2/2022	<0.002	<0.002	<0.002	<0.002	0.0015 (J)
2/6/2023	0.0025				
2/7/2023		0.0021	0.0021	0.0025	0.0028

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.002	0.0022	0.22 (O)	<0.002	<0.0013
9/11/2004	0.0024	<0.002	<0.002	<0.002	0.0027
9/26/2004	<0.002	<0.002	<0.002	<0.002	<0.0013
10/13/2004	<0.002	<0.002	<0.002		<0.0013
7/11/2005	<0.002	<0.002	0.0023	<0.002	0.0036
12/7/2005	<0.002	<0.002	<0.002	0.0021	0.0042
6/22/2006	0.0021	<0.002	<0.002	0.002	0.0045
11/28/2006	0.0023	<0.002	<0.002	0.0024	0.0017
7/6/2007	0.0049	<0.002	<0.002	0.0034	<0.0013
12/13/2007	0.0013	<0.002	<0.002	0.0029	<0.0013
6/20/2008	0.0025	<0.002	<0.002	0.002	<0.0013
12/7/2008	0.0034	<0.002	<0.002	0.072 (O)	<0.0013
2/6/2009				0.0035	
7/9/2009	<0.002	<0.002	<0.002	0.0017	
7/10/2009					0.0021
12/28/2009	0.0021			<0.002	
12/29/2009			0.004		0.0023
12/30/2009		0.0078			
6/22/2010	0.0018	<0.002	<0.002	<0.002	0.0051
1/4/2011		0.0037	0.0027	0.0023	0.0026
1/5/2011	0.077 (O)				
7/9/2011	0.004		<0.002	0.005	
7/10/2011		<0.002			<0.0013
1/20/2012	<0.002				
1/21/2012		<0.002	<0.002	<0.002	<0.0013
7/11/2012	<0.002	0.0096	0.0038	0.0023	0.0018
1/19/2013	0.0013		0.002		
1/20/2013		0.0052		0.003	0.0014
7/18/2013	0.0022		0.0023		
7/19/2013		0.002		<0.002	0.0032
1/15/2014	0.0019		0.0012 (J)	0.002	
1/16/2014		0.0061			0.0058
7/10/2014		<0.002	0.0012 (J)		0.0034
7/11/2014	0.0014			0.0012 (J)	
1/15/2015	0.0011 (J)		<0.002		
1/16/2015		0.002		0.0011 (J)	0.0024
6/19/2015	0.0012 (J)		0.0037		
6/20/2015		0.0011 (J)		0.0028	0.0072
1/14/2016		0.0011 (J)	<0.002		
1/16/2016	0.0014			0.0013	0.0076
4/19/2016	<0.002				
4/20/2016		<0.002	<0.002	<0.002	
4/21/2016					0.00617 (J)
6/14/2016	0.00085 (J)	0.0013 (J)	0.0011 (J)		
6/15/2016				0.0011 (J)	
6/16/2016					0.007 (J)
8/9/2016	<0.002		<0.002		
8/10/2016				0.0015 (J)	0.0056
8/11/2016		<0.002			
9/27/2016	<0.002	<0.002	<0.002	0.0018 (J)	0.0057
11/14/2016	0.0011 (J)	<0.002			
11/15/2016			<0.002	0.0019 (J)	0.0062

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/10/2017	0.0012 (J)	<0.002			
1/11/2017			<0.002		
1/12/2017				0.0012 (J)	0.0061
1/19/2017			0.002 (J)		
1/23/2017				<0.002	
1/24/2017			<0.002		
2/28/2017	0.004	0.0048	0.0054		
3/1/2017				0.0049	0.01
4/19/2017	0.0011 (J)				
4/20/2017		<0.002	0.0013 (J)	<0.002	
4/24/2017					0.0053
7/18/2017	<0.002	<0.002	<0.002		
7/19/2017				0.0017 (J)	
7/24/2017					0.0055
1/10/2018	0.0012 (J)	<0.002	<0.002		
1/11/2018				<0.002	0.0055
7/11/2018	0.0011 (J)	<0.002	<0.002		
7/12/2018				<0.002	0.0017 (J)
1/29/2019	<0.002	<0.002	<0.002		
1/30/2019				<0.002	0.0071 (J)
3/26/2019		<0.002	<0.002		
3/27/2019	0.0014			<0.002	0.0035
9/10/2019		0.0031	0.0041		
9/11/2019	0.0034			0.0035	0.004
3/31/2020		<0.002	<0.002		
4/1/2020	<0.002			<0.002	0.0084
9/15/2020	<0.002		<0.002	<0.002	0.0018 (J)
9/16/2020		<0.002			
3/16/2021	0.0015 (J)			<0.002	0.0054
3/17/2021		<0.002	<0.002		
8/17/2021	0.0015 (J)				
8/18/2021				0.0018 (J)	0.0026
8/19/2021		<0.002	<0.002		
2/22/2022	<0.002		<0.002		
2/23/2022		<0.002		<0.002	0.0031
8/2/2022	<0.002		<0.002		
8/3/2022		<0.002		0.0015 (J)	0.0031
2/7/2023	0.0019 (J)	<0.002	0.002	0.0024	
2/8/2023					0.0038

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	0.0033	<0.01			
9/11/2004	0.0038	<0.01			
9/26/2004	0.0031	<0.01			
10/13/2004	<0.005	<0.01			
7/11/2005	0.0039	<0.01			
12/7/2005	0.0053	<0.01			
6/22/2006	0.0069	0.002			
11/28/2006	0.0056	0.0015			
7/6/2007	0.0063	0.0021			
12/13/2007	0.0058	0.0025			
6/20/2008	0.013	0.0017			
12/7/2008	0.0048	0.0016			
7/10/2009	0.0086	0.0017			
12/28/2009		0.0018			
12/29/2009	0.0077				
6/22/2010	0.0046	0.0018			
1/4/2011		0.0039			
1/5/2011	0.0053				
7/9/2011	0.007	0.0041			
1/20/2012		<0.01			
1/21/2012	0.0073				
7/11/2012	0.01	0.0052			
1/19/2013	0.0058	0.0025			
7/18/2013		0.0035			
7/19/2013	0.005				
1/15/2014	0.0081	0.0082			
7/11/2014	0.0087	0.0048			
1/15/2015		0.0022			
1/16/2015	0.0061				
6/19/2015		0.0024			
6/20/2015	0.005				
12/8/2015			<0.01	0.0012 (J)	0.0026
12/14/2015			<0.01	0.0018	
12/15/2015					0.0017
12/28/2015			<0.01	0.0017	0.0016
1/14/2016	0.0045				
1/16/2016		0.002			
1/26/2016			<0.01	0.0013	0.0016
4/19/2016				0.00277 (J)	0.002
4/20/2016	0.00856 (J)	<0.01	<0.01		
6/15/2016	0.0061 (J)	0.0016 (J)	0.0018 (J)		
6/16/2016				0.0021 (J)	0.0016 (J)
8/9/2016			0.002 (J)		
8/10/2016	0.0052	0.0016 (J)			0.0016 (J)
8/11/2016				0.0023 (J)	
9/27/2016	0.0051	0.0019 (J)	0.0021 (J)		
9/28/2016				0.0022 (J)	<0.0025
11/15/2016	0.005	0.0017 (J)	0.002 (J)		<0.0025
11/16/2016				0.0019 (J)	
1/11/2017			0.0025	0.0025	
1/12/2017	0.0051	0.0017 (J)			
1/16/2017					0.0013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
3/1/2017	0.0088	0.0055	0.0067	0.0065	0.0056
4/20/2017		0.0016 (J)	0.0024 (J)		
4/24/2017	0.0049				
4/25/2017				0.0026	0.0019 (J)
7/19/2017			0.0025		
7/20/2017		0.0017 (J)			
7/24/2017	0.0049				
7/25/2017				0.0023 (J)	0.0013 (J)
1/11/2018	0.0044	0.0016 (J)	0.0026		
1/12/2018				0.002 (J)	0.0017 (J)
7/11/2018			0.0025	0.0022 (J)	0.0011 (J)
7/12/2018	0.0023 (J)	0.0015 (J)			
1/29/2019			0.0041 (J)		<0.0025
1/30/2019	0.006 (J)	0.0039 (J)		0.0049 (J)	
3/27/2019	0.0031	0.0019	0.0028	0.0025	0.0014
9/11/2019	0.0071	0.0036	0.0059	0.0049	0.0043
4/1/2020		0.0019 (J)	0.0032	0.0025	0.0018 (J)
4/2/2020	0.0055				
9/15/2020	0.0028		0.0027	0.0025	
9/16/2020		0.0016 (J)			0.0015 (J)
3/16/2021		0.0019 (J)	0.0031		0.0017 (J)
3/17/2021	0.0031			0.0027	
8/18/2021	0.004	0.0037			
8/19/2021			0.0027	0.0025	0.0015 (J)
2/22/2022			0.003		
2/23/2022	0.005	0.0016 (J)		0.0025	0.0016 (J)
8/2/2022	0.0046		0.0033	0.0025	
8/3/2022		0.0019 (J)			0.0017 (J)
2/7/2023		0.002		0.0043	
2/8/2023	0.0059		0.0044		0.0026

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	<0.002	<0.002		
12/14/2015	<0.002	<0.002		
12/29/2015	<0.002	<0.002		
1/14/2016				<0.002
1/25/2016	<0.002	<0.002		
4/19/2016				<0.002
4/21/2016	<0.002	<0.002		
6/15/2016				0.00021
6/16/2016	0.0008 (J)	0.00031 (J)	0.00023 (J)	
8/10/2016	<0.002	<0.002	<0.0025	<0.002
9/27/2016	<0.002	0.35 (o)		<0.002
9/28/2016			<0.0025	
11/15/2016	<0.002	<0.002		<0.002
11/16/2016			<0.0025	
1/12/2017		<0.002		
1/13/2017	<0.002			0.0012 (J)
1/17/2017			<0.0025	
3/1/2017	0.005	0.0044		0.0043
3/2/2017			0.0017 (J)	
4/24/2017		<0.002		<0.002
4/25/2017	<0.002		<0.0025	
7/13/2017			<0.0025	
7/24/2017				<0.002
7/25/2017	<0.002	<0.002	<0.0025	
1/11/2018		<0.002		
1/12/2018	<0.002		<0.0025	<0.002
7/11/2018	<0.002	<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			<0.0025	<0.002
1/29/2019	<0.002			
1/30/2019		<0.002	<0.0025	<0.002
3/27/2019	<0.002	<0.002	<0.0025	<0.002
9/11/2019	0.0034	0.0025	0.004	0.0025
4/1/2020	<0.002	<0.002	0.0022	<0.002
9/15/2020	<0.002	<0.002	0.0023	
9/16/2020				<0.002
3/16/2021	<0.002			
3/17/2021		<0.002	0.0027	<0.002
8/19/2021	0.0018 (J)	<0.002	0.0023	<0.002
2/22/2022	<0.002			
2/23/2022		<0.002	0.0028	<0.002
8/3/2022	<0.002			<0.002
8/4/2022		<0.002	0.0029	
2/8/2023	0.002	<0.002	0.0033	0.0013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	0.0012 (J)	0.001 (J)	0.0011 (J)	0.0012 (J)	
12/14/2015				0.001 (J)	
12/15/2015	0.00099 (J)	0.00078 (J)	0.0011 (J)		
12/28/2015			0.0016	0.0012 (J)	
12/29/2015	0.0012 (J)	0.00094 (J)			
1/13/2016	0.0012 (J)	0.001 (J)	0.0016	0.001 (J)	
1/16/2016					0.0012 (J)
1/25/2016	0.00095 (J)	0.00085 (J)	0.0014	0.00089 (J)	
4/19/2016					<0.01
4/20/2016	<0.0025	<0.0025		<0.0025	
4/21/2016			<0.0025		
6/14/2016	0.00072 (J)	0.00048 (J)			0.001 (J)
6/15/2016			0.00047 (J)	0.00063 (J)	
8/9/2016	0.00041 (J)	0.00045 (J)	<0.0025	0.00055 (J)	0.0012 (J)
9/26/2016					0.0012 (J)
9/27/2016	0.00058 (J)	0.00046 (J)	0.00045 (J)	0.00059 (J)	
11/15/2016	0.00048 (J)	<0.0025	0.00048 (J)	0.0005 (J)	0.0013 (J)
1/10/2017					0.0011 (J)
1/11/2017		<0.0025	0.00046 (J)	0.00044 (J)	
1/12/2017	0.0014 (J)				
2/28/2017	0.00075 (J)	0.00051 (J)	0.00061 (J)		0.0014 (J)
3/1/2017				0.00066 (J)	
4/19/2017					0.0012 (J)
4/20/2017	0.0005 (J)	<0.0025	0.00042 (J)	0.00045 (J)	
7/17/2017					0.0013 (J)
7/18/2017	0.00051 (J)				
7/19/2017		<0.0025	0.00041 (J)	0.00047 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/10/2018	0.00049 (J)				0.0013 (J)
1/11/2018		<0.0025	0.00044 (J)	0.00043 (J)	
7/11/2018	<0.0025	<0.0025	0.0004 (J)	0.00043 (J)	0.0013 (J)
1/29/2019	0.00043 (J)	0.00029 (J)	0.00037 (J)	0.00044 (J)	0.001 (J)
3/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/27/2019					0.0011
9/10/2019	0.00064	0.00042 (J)		0.0005	
9/11/2019			0.00044 (J)		0.0015
3/31/2020	0.00034 (J)				
4/1/2020		0.00033 (J)	0.00036 (J)	0.00036 (J)	0.0013 (J)
9/15/2020	<0.0025	<0.0025	<0.0025	<0.0025	0.00099 (J)
3/16/2021	0.0005 (J)	0.00035 (J)		0.00047 (J)	0.0013 (J)
3/17/2021			0.0004 (J)		
8/17/2021		0.00048 (J)		0.00043 (J)	0.0015 (J)
8/18/2021	0.00058 (J)				
8/19/2021			0.0004 (J)		
2/22/2022	0.00052 (J)	0.00042 (J)	0.00051 (J)	0.00048 (J)	0.0015 (J)
8/2/2022	0.00044 (J)	0.00038 (J)	0.00042 (J)	0.00049 (J)	0.0013 (J)
2/6/2023	0.00049 (J)				
2/7/2023		0.00043 (J)	0.0004 (J)	0.00047 (J)	0.0012 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
9/11/2004	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
9/26/2004	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
10/13/2004	<0.0025	<0.0025	<0.01		<0.0025
7/11/2005	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
12/7/2005	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
6/22/2006	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
11/28/2006	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
7/6/2007	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
12/13/2007	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
6/20/2008	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
12/7/2008	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
7/9/2009	<0.0025	<0.0025	<0.01	<0.0025	
7/10/2009					<0.0025
12/28/2009	<0.0025			<0.0025	
12/29/2009			0.011		<0.0025
12/30/2009		0.013			
6/22/2010	<0.0025	<0.0025	<0.01	<0.0025	<0.0025
1/4/2011		<0.0025	<0.01	<0.0025	<0.0025
1/5/2011	0.0066 (o)				
7/9/2011	<0.0025		<0.01	<0.0025	
7/10/2011		<0.0025			<0.0025
1/20/2012	<0.0025				
1/21/2012		0.0061	<0.01	<0.0025	<0.0025
7/11/2012	<0.0025	0.01	0.0072	0.0013	<0.0025
1/19/2013	<0.0025		<0.01		
1/20/2013		0.0033		0.0013	<0.0025
7/18/2013	<0.0025		<0.01		
7/19/2013		<0.0025		0.0015	<0.0025
1/15/2014	<0.0025		0.00075 (J)	0.0017	
1/16/2014		0.0027			<0.0025
7/10/2014		<0.0025	0.0007 (J)		<0.0025
7/11/2014	<0.0025			0.0018	
1/15/2015	<0.0025		0.0007 (J)		
1/16/2015		0.0077		0.0019	<0.0025
6/19/2015	<0.0025		0.0011 (J)		
6/20/2015		<0.0025		0.002	0.0006 (J)
1/14/2016		<0.0025	0.00064 (J)		
1/16/2016	<0.0025			0.0015	<0.0025
4/19/2016	<0.0025				
4/20/2016		<0.0025	<0.01	<0.0025	
4/21/2016					<0.0025
6/14/2016	0.00044 (J)	0.0004 (J)	0.0006 (J)		
6/15/2016				0.0015 (J)	
6/16/2016					1E-05 (J)
8/9/2016	0.00042 (J)		0.00062 (J)		
8/10/2016				0.0016 (J)	<0.0025
8/11/2016		0.0046			
9/27/2016	0.00042 (J)	0.001 (J)	0.00059 (J)	0.0016 (J)	<0.0025
11/14/2016	<0.0025	<0.0025			
11/15/2016			0.00064 (J)	0.0015 (J)	<0.0025
1/10/2017	<0.0025	0.00044 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/11/2017			0.00064 (J)		
1/12/2017				0.0016 (J)	<0.0025
1/19/2017			0.00046 (J)		
1/23/2017				<0.0025	
1/24/2017			0.009		
2/28/2017	0.00048 (J)	0.001 (J)	0.00078 (J)		
3/1/2017				0.0021 (J)	<0.0025
4/19/2017	<0.0025				
4/20/2017		0.00059 (J)	0.00065 (J)	0.0018 (J)	
4/24/2017					<0.0025
7/18/2017	<0.0025	0.00079 (J)	0.00069 (J)		
7/19/2017				0.0015 (J)	
7/24/2017					<0.0025
1/10/2018	<0.0025	0.0018 (J)	0.00068 (J)		
1/11/2018				0.0019 (J)	<0.0025
7/11/2018	<0.0025	0.0044	0.00071 (J)		
7/12/2018				0.0018 (J)	<0.0025
1/29/2019	0.00035 (J)	0.0033	0.00064 (J)		
1/30/2019				<0.0025	<0.0025
3/26/2019		0.0037	0.00064		
3/27/2019	<0.0025			0.0017	<0.0025
9/10/2019		0.0031	0.00074		
9/11/2019	0.00039 (J)			0.002	0.0001 (J)
3/31/2020		0.0038	0.00067 (J)		
4/1/2020	0.00024 (J)			0.0016 (J)	<0.0025
9/15/2020	<0.0025		0.0005 (J)	0.0014 (J)	<0.0025
9/16/2020		0.0014 (J)			
3/16/2021	0.00033 (J)			0.0017 (J)	<0.0025
3/17/2021		0.0014 (J)	0.00083 (J)		
8/17/2021	0.00039 (J)				
8/18/2021				0.0018 (J)	<0.0025
8/19/2021		0.0013 (J)	0.00079 (J)		
2/22/2022	0.00037 (J)		0.00076 (J)		
2/23/2022		0.0013 (J)		0.0017 (J)	<0.0025
8/2/2022	0.00031 (J)		0.00085 (J)		
8/3/2022		0.0017 (J)		0.00034 (J)	<0.0025
2/7/2023	0.00026 (J)	0.0013 (J)	0.00094 (J)	0.0016 (J)	
2/8/2023					<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	<0.0025	<0.0025			
9/11/2004	<0.0025	<0.0025			
9/26/2004	<0.0025	<0.0025			
10/13/2004	<0.0025	<0.0025			
7/11/2005	<0.0025	<0.0025			
12/7/2005	<0.0025	<0.0025			
6/22/2006	<0.0025	<0.0025			
11/28/2006	<0.0025	<0.0025			
7/6/2007	<0.0025	<0.0025			
12/13/2007	<0.0025	<0.0025			
6/20/2008	<0.0025	<0.0025			
12/7/2008	<0.0025	<0.0025			
7/10/2009	<0.0025	<0.0025			
12/28/2009		<0.0025			
12/29/2009	0.0071				
6/22/2010	<0.0025	<0.0025			
1/4/2011		<0.0025			
1/5/2011	<0.0025				
7/9/2011	0.0037	0.0039			
1/20/2012		<0.0025			
1/21/2012	0.0062				
7/11/2012	0.007	0.012 (o)			
1/19/2013	<0.0025	<0.0025			
7/18/2013		<0.0025			
7/19/2013	<0.0025				
1/15/2014	0.0028	0.005			
7/11/2014	<0.0025	0.00079 (J)			
1/15/2015		0.00069 (J)			
1/16/2015	0.0048				
6/19/2015		0.0007 (J)			
6/20/2015	<0.0025				
12/8/2015			0.0018	<0.0025	0.00084 (J)
12/14/2015			0.0016	<0.0025	
12/15/2015					0.00063 (J)
12/28/2015			0.0015	<0.0025	0.00071 (J)
1/13/2016			0.0013		
1/14/2016	<0.0025			<0.0025	<0.0025
1/16/2016		0.00061 (J)			
1/26/2016			0.0012 (J)	<0.0025	<0.0025
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/15/2016	0.00011 (J)	0.00051 (J)	0.00073 (J)		
6/16/2016				0.00017 (J)	6.7E-05 (J)
8/9/2016			0.00069 (J)		
8/10/2016	<0.0025	0.00052 (J)			<0.0025
8/11/2016				<0.0025	
9/27/2016	<0.0025	0.00077 (J)	0.00081 (J)		
9/28/2016				<0.0025	<0.0025
11/15/2016	<0.0025	0.00055 (J)	0.00071 (J)		<0.0025
11/16/2016				<0.0025	
1/11/2017			0.00062 (J)	<0.0025	
1/12/2017	<0.0025	0.0005 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/16/2017					<0.0025
3/1/2017	<0.0025	0.00079 (J)	0.00081 (J)	<0.0025	<0.0025
4/20/2017		0.00056 (J)	0.00053 (J)		
4/24/2017	<0.0025				
4/25/2017				<0.0025	<0.0025
7/19/2017			0.00051 (J)		
7/20/2017		0.00051 (J)			
7/24/2017	<0.0025				
7/25/2017				<0.0025	<0.0025
1/11/2018	<0.0025	0.0006 (J)	0.00046 (J)		
1/12/2018				<0.0025	<0.0025
7/11/2018			<0.0025	<0.0025	<0.0025
7/12/2018	<0.0025	0.00056 (J)			
1/29/2019			0.00038 (J)		<0.0025
1/30/2019	<0.0025	<0.0025		<0.0025	
3/27/2019	<0.0025	0.00051	<0.0025	<0.0025	<0.0025
9/11/2019	<0.0025	0.00067	0.00034 (J)	8.2E-05 (J)	9.9E-05 (J)
4/1/2020		0.00051 (J)	0.00023 (J)	<0.0025	<0.0025
4/2/2020	<0.0025				
9/15/2020	<0.0025		<0.0025	<0.0025	
9/16/2020		0.00023 (J)			<0.0025
3/16/2021		0.00058 (J)	0.00027 (J)		<0.0025
3/17/2021	0.00016 (J)			<0.0025	
8/18/2021	<0.0025	0.00065 (J)			
8/19/2021			0.00023 (J)	<0.0025	<0.0025
2/22/2022			<0.0025		
2/23/2022	<0.0025	0.00049 (J)		<0.0025	<0.0025
8/2/2022	<0.0025		<0.0025	<0.0025	
8/3/2022		0.00068 (J)			<0.0025
2/7/2023		0.00058 (J)		<0.0025	
2/8/2023	<0.0025		<0.0025		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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)
12/9/2015	0.0055	0.0013		
12/14/2015	0.0073	0.0014		
12/29/2015	0.0076	0.0018		
1/14/2016	0.0056	0.0018		0.00051 (J)
1/25/2016	0.0061	0.0019		
4/19/2016				<0.0025
4/21/2016	0.00468 (J)	<0.0025		
6/15/2016				0.00052 (J)
6/16/2016	0.0032 (J)	0.0021 (J)	0.0019 (J)	
8/10/2016	0.0025	0.0015 (J)	0.0051	0.0006 (J)
9/27/2016	0.0023 (J)	0.015 (o)		0.00063 (J)
9/28/2016			0.0058	
11/15/2016	0.0019 (J)	0.0017 (J)		0.00053 (J)
11/16/2016			0.0063	
1/12/2017		0.0014 (J)		
1/13/2017	0.0017 (J)			0.00052 (J)
1/17/2017			0.0057	
3/1/2017	0.0021 (J)	0.0019 (J)		0.00084 (J)
3/2/2017			0.0095	
4/24/2017		0.0015 (J)		0.00055 (J)
4/25/2017	0.0016 (J)		0.0078	
7/13/2017			0.0061	
7/24/2017				0.00058 (J)
7/25/2017	0.0016 (J)	0.0014 (J)	0.0074	
1/11/2018		0.0013 (J)		
1/12/2018	0.0014 (J)		0.0072	0.00054 (J)
7/11/2018	0.0013 (J)	0.0012 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			0.0077	0.00072 (J)
1/29/2019	0.00084 (J)			
1/30/2019		<0.0025	0.0061	<0.0025
3/27/2019	0.0012	0.001	0.006	0.00051
9/11/2019	0.0014	0.0012	0.0059	0.00083
4/1/2020	0.00094 (J)	0.00088 (J)	0.0037	0.00042 (J)
9/15/2020	0.00097 (J)	0.00088 (J)	0.0032	
9/16/2020				0.00037 (J)
3/16/2021	0.0009 (J)			
3/17/2021		0.00092 (J)	0.0035	0.00092 (J)
8/19/2021	0.00088 (J)	0.00077 (J)	0.0025	0.00063 (J)
2/22/2022	0.0009 (J)			
2/23/2022		0.00079 (J)	0.0026	0.00064 (J)
8/3/2022	0.00091 (J)			0.00034 (J)
8/4/2022		0.00083 (J)	0.0016 (J)	
2/8/2023	0.00075 (J)	0.00077 (J)	0.0014 (J)	<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
8/25/2004					<0.002
9/11/2004					0.003
9/26/2004					<0.002
10/13/2004					<0.002
7/11/2005					<0.002
12/7/2005					<0.002
6/22/2006					<0.002
11/28/2006					<0.002
7/6/2007					<0.002
12/13/2007					<0.002
6/20/2008					<0.002
12/7/2008					<0.002
7/9/2009					<0.002
12/28/2009					<0.002
6/22/2010					<0.002
1/4/2011					<0.002
7/9/2011					<0.002
1/21/2012					<0.002
7/11/2012					<0.002
1/20/2013					<0.002
7/19/2013					<0.002
1/15/2014					<0.002
7/11/2014					<0.002
1/16/2015					<0.002
6/20/2015					<0.002
12/7/2015	<0.002	<0.002	0.00084 (J)	0.001 (J)	
12/14/2015				<0.002	
12/15/2015	<0.002	<0.002	<0.002		
12/28/2015			<0.002	<0.002	
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002	<0.002	
1/16/2016					<0.002
1/25/2016	<0.002	0.0014 (J)	<0.002	0.00081 (J)	
6/14/2016	<0.002	<0.002			<0.002
6/15/2016			<0.002	<0.002	
1/10/2017					<0.002
1/11/2017		<0.002	<0.002	<0.002	
1/12/2017	<0.002				
7/17/2017					<0.002
7/18/2017	<0.002				
7/19/2017		<0.002	<0.002	<0.002	
1/10/2018	<0.002				<0.002
1/11/2018		<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	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002	<0.002	
3/27/2019					<0.002
9/10/2019	0.00066 (J)	0.00076 (J)		<0.002	
9/11/2019			<0.002		<0.002
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	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
3/16/2021	<0.002	<0.002		<0.002	<0.002
3/17/2021			<0.002		
8/17/2021		<0.002		<0.002	<0.002
8/18/2021	<0.002				
8/19/2021			<0.002		
2/22/2022	<0.002	<0.002	<0.002	<0.002	<0.002
8/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002
2/6/2023	<0.002				
2/7/2023		<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.002	0.0023	<0.002	<0.002	<0.002
9/11/2004	<0.002	<0.002	<0.002	<0.002	<0.002
9/26/2004	0.0029	<0.002	<0.002	<0.002	<0.002
10/13/2004	<0.002	<0.002	<0.002		<0.002
7/11/2005	<0.002	<0.002	<0.002	<0.002	<0.002
12/7/2005	<0.002	<0.002	<0.002	<0.002	<0.002
6/22/2006	0.0026	<0.002	<0.002	<0.002	<0.002
11/28/2006	<0.002	<0.002	<0.002	<0.002	<0.002
7/6/2007	0.0034	<0.002	<0.002	<0.002	<0.002
12/13/2007	<0.002	<0.002	<0.002	<0.002	<0.002
6/20/2008	<0.002	<0.002	<0.002	<0.002	<0.002
12/7/2008	<0.002	<0.002	<0.002	<0.002	<0.002
7/9/2009	<0.002	<0.002	<0.002	<0.002	
7/10/2009					<0.002
12/28/2009	<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	<0.002	<0.002
1/4/2011		<0.002	<0.002	<0.002	<0.002
1/5/2011	0.014 (o)				
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			<0.002
1/20/2012	<0.002				
1/21/2012		<0.002	<0.002	<0.002	<0.002
7/11/2012	<0.002	<0.002	<0.002	<0.002	<0.002
1/19/2013	<0.002		<0.002		
1/20/2013		<0.002		<0.002	<0.002
7/18/2013	<0.002		<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			<0.002
7/10/2014		<0.002	<0.002		<0.002
7/11/2014	<0.002			<0.002	
1/15/2015	<0.002		<0.002		
1/16/2015		<0.002		<0.002	<0.002
6/19/2015	<0.002		<0.002		
6/20/2015		<0.002		<0.002	<0.002
1/14/2016		<0.002	0.00084 (J)		
1/16/2016	<0.002			<0.002	<0.002
6/14/2016	<0.002	<0.002	0.0021 (J)		
6/15/2016				<0.002	
6/16/2016					<0.002
1/10/2017	<0.002	<0.002			
1/11/2017			<0.002		
1/12/2017				<0.002	<0.002
7/18/2017	<0.002	<0.002	<0.002		
7/19/2017				<0.002	
7/24/2017					<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		
7/12/2018				<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/29/2019	<0.002	<0.002	<0.002		
1/30/2019				<0.002	<0.002
3/26/2019		0.0021	<0.002		
3/27/2019	<0.002			<0.002	<0.002
9/10/2019		0.0016 (J)	<0.002		
9/11/2019	0.00092 (J)			0.001 (J)	<0.002
3/31/2020		0.0051	<0.002		
4/1/2020	<0.002			<0.002	<0.002
9/15/2020	0.00095 (J)		<0.002	<0.002	<0.002
9/16/2020		0.00079 (J)			
3/16/2021	<0.002			<0.002	<0.002
3/17/2021		0.0012 (J)	<0.002		
8/17/2021	<0.002				
8/18/2021				<0.002	<0.002
8/19/2021		0.00087 (J)	<0.002		
2/22/2022	<0.002		<0.002		
2/23/2022		0.0012 (J)		<0.002	<0.002
8/2/2022	<0.002		<0.002		
8/3/2022		<0.002		<0.002	<0.002
2/7/2023	<0.002	<0.002	<0.002	<0.002	
2/8/2023					<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
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	0.0027	<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			
7/10/2009	<0.002	<0.002			
12/28/2009		<0.002			
12/29/2009	<0.002				
6/22/2010	<0.002	<0.002			
1/4/2011		<0.002			
1/5/2011	<0.002				
7/9/2011	<0.002	<0.002			
1/20/2012		<0.002			
1/21/2012	<0.002				
7/11/2012	<0.002	<0.002			
1/19/2013	<0.002	<0.002			
7/18/2013		<0.002			
7/19/2013	<0.002				
1/15/2014	<0.002	<0.002			
7/11/2014	0.0014 (J)	<0.002			
1/15/2015		<0.002			
1/16/2015	<0.002				
6/19/2015		<0.002			
6/20/2015	<0.002				
12/8/2015			0.0021 (J)	<0.002	<0.002
12/14/2015			0.0018 (J)	0.00096 (J)	
12/15/2015					<0.002
12/28/2015			<0.002	<0.002	<0.002
1/13/2016			<0.002		
1/14/2016	<0.002			<0.002	<0.002
1/16/2016		<0.002			
1/26/2016			<0.002	<0.002	<0.002
6/15/2016	<0.002	<0.002	<0.002		
6/16/2016				0.00068 (J)	0.00024 (J)
1/11/2017			<0.002	<0.002	
1/12/2017	<0.002	<0.002			
1/16/2017					<0.002
7/19/2017			<0.002		
7/20/2017		<0.002			
7/24/2017	<0.002				
7/25/2017				<0.002	<0.002
1/11/2018	<0.002	<0.002	<0.002		
1/12/2018				<0.002	<0.002
7/11/2018			<0.002	<0.002	<0.002
7/12/2018	<0.002	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/29/2019			<0.002		<0.002
1/30/2019	<0.002	<0.002		0.0021 (J)	
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	<0.002	0.00069 (J)	0.0012 (J)	0.0011 (J)	0.00085 (J)
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	
9/16/2020		<0.002			<0.002
3/16/2021		<0.002	<0.002		<0.002
3/17/2021	0.0019 (J)			0.001 (J)	
8/18/2021	<0.002	0.00096 (J)			
8/19/2021			<0.002	0.00089 (J)	<0.002
2/22/2022			<0.002		
2/23/2022	<0.002	<0.002		<0.002	<0.002
8/2/2022	<0.002		<0.002	<0.002	
8/3/2022		<0.002			<0.002
2/7/2023		<0.002		<0.002	
2/8/2023	<0.002		<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	<0.002	<0.002		
12/14/2015	<0.002	<0.002		
12/29/2015	<0.002	0.00082 (J)		
1/14/2016	<0.002	0.0064 (o)		<0.002
1/25/2016	<0.002	<0.002		
6/15/2016				<0.002
6/16/2016	0.00032 (J)	0.00042 (J)	0.0011 (J)	
1/12/2017		<0.002		
1/13/2017	<0.002			<0.002
1/17/2017			<0.002	
7/24/2017				<0.002
7/25/2017	<0.002	<0.002	<0.002	
1/11/2018		<0.002		
1/12/2018	<0.002		<0.002	<0.002
7/11/2018	<0.002	<0.002		
7/12/2018			<0.002	<0.002
1/29/2019	<0.002			
1/30/2019		<0.002	<0.002	0.002 (J)
3/27/2019	<0.002	<0.002	<0.002	<0.002
9/11/2019	0.0012 (J)	0.00066 (J)	0.00092 (J)	0.00092 (J)
4/1/2020	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	
9/16/2020				<0.002
3/16/2021	<0.002			
3/17/2021		<0.002	<0.002	<0.002
8/19/2021	<0.002	<0.002	0.0013 (J)	<0.002
2/22/2022	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
2/23/2022		<0.002	<0.002	<0.002
8/3/2022	<0.002			<0.002
8/4/2022		<0.002	<0.002	
2/8/2023	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
4/19/2016					0.03 (J)
4/20/2016	0.018 (J)	0.021 (J)		0.022 (J)	
4/21/2016			0.019 (J)		
6/14/2016	<0.1	<0.1			0.02 (J)
6/15/2016			<0.1	<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	
11/15/2016	<0.1	<0.1	<0.1	<0.1	<0.1
1/10/2017					<0.1
1/11/2017		<0.1	<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
4/20/2017	<0.1	<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
1/11/2018		<0.1	<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	<0.1	
3/27/2019					<0.1
9/10/2019	0.034 (J)	0.032 (J)		0.035 (J)	
9/11/2019			0.032 (J)		0.037 (J)
3/31/2020	0.046 (J)				
4/1/2020		0.048 (J)	0.05 (J)	<0.1	<0.1
9/15/2020	<0.1	<0.1	<0.1	<0.1	0.029 (J)
3/16/2021	<0.1	<0.1		<0.1	0.033 (J)
3/17/2021			<0.1		
8/17/2021		0.045 (J)		0.072 (J)	0.073 (J)
8/18/2021	<0.1				
8/19/2021			0.035 (J)		
2/22/2022	<0.1	<0.1	<0.1	<0.1	<0.1
8/2/2022	<0.1	<0.1	<0.1	<0.1	<0.1
2/6/2023	<0.1				
2/7/2023		<0.1	<0.1	<0.1	0.048 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
4/19/2016	0.022 (J)				
4/20/2016		0.028 (J)	0.032 (J)	0.04 (J)	
4/21/2016					0.217 (J)
6/14/2016	<0.1	<0.1	<0.1		
6/15/2016				<0.1	
6/16/2016					0.13 (J)
8/9/2016	<0.1		<0.1		
8/10/2016				<0.1	0.21
8/11/2016		<0.1			
9/27/2016	<0.1	<0.1	<0.1	<0.1	0.17 (J)
11/14/2016	<0.1	<0.1			
11/15/2016			<0.1	<0.1	0.22
1/10/2017	<0.1	<0.1			
1/11/2017			<0.1		
1/12/2017				<0.1	0.12 (J)
2/28/2017	<0.1	<0.1	<0.1		
3/1/2017				<0.1	<0.25
4/19/2017	<0.1				
4/20/2017		<0.1	<0.1	<0.1	
4/24/2017					0.18 (J)
10/10/2017		<0.1			
10/11/2017	<0.1		<0.1	<0.1	
10/12/2017					0.18 (J)
1/10/2018	<0.1	<0.1	<0.1		
1/11/2018				<0.1	0.15 (J)
7/11/2018	<0.1	<0.1	<0.1		
7/12/2018				<0.1	0.13 (J)
1/29/2019	<0.1	<0.1	<0.1		
1/30/2019				<0.1	0.23 (J)
3/26/2019		<0.1	0.028		
3/27/2019	<0.1			0.029	0.12
9/10/2019		0.044 (J)	0.037 (J)		
9/11/2019	0.033 (J)			0.036 (J)	0.1
3/31/2020		0.043 (J)	0.061 (J)		
4/1/2020	<0.1			<0.1	0.26
9/15/2020	<0.1		<0.1	<0.1	0.11
9/16/2020		<0.1			
3/16/2021	<0.1			<0.1	0.18
3/17/2021		<0.1	0.026 (J)		
8/17/2021	0.043 (J)				
8/18/2021				<0.1	0.081 (J)
8/19/2021		<0.1	0.035 (J)		
2/22/2022	<0.1		<0.1		
2/23/2022		<0.1		<0.1	0.13
8/2/2022	<0.1		<0.1		
8/3/2022		<0.1		<0.1	0.098 (J)
2/7/2023	<0.1	<0.1	<0.1	<0.1	
2/8/2023					0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
4/19/2016				0.706	0.122 (J)
4/20/2016	0.383	0.026 (J)	0.147 (J)		
6/15/2016	0.28 (J)	<0.1	0.1 (J)		
6/16/2016				0.56	0.08 (J)
8/9/2016			0.16 (J)		
8/10/2016	0.42	<0.1			0.14 (J)
8/11/2016				0.74	
9/27/2016	0.39	<0.1	0.14 (J)		
9/28/2016				0.7	0.11 (J)
11/15/2016	0.43	<0.1	0.16 (J)		0.13 (J)
11/16/2016				0.71	
1/11/2017			0.16 (J)	0.51	
1/12/2017	0.41	<0.1			
1/16/2017					0.11 (J)
3/1/2017	<0.39	<0.1	<0.22	0.61	<0.18
4/20/2017		<0.1	0.12 (J)		
4/24/2017	0.37				
4/25/2017				0.65	0.087 (J)
10/11/2017	0.39		0.11 (J)		
10/12/2017		<0.1		0.6	0.087 (J)
12/13/2017	0.48			0.61	
1/11/2018	0.31	<0.1	0.12 (J)		
1/12/2018				0.55	0.083 (J)
7/11/2018			0.13 (J)	0.59	0.091 (J)
7/12/2018	0.25	<0.1			
1/29/2019			0.13 (J)		0.074 (J)
1/30/2019	0.35	<0.1		0.65	
3/27/2019	0.24	<0.1	0.1	0.49	0.072
9/11/2019	0.26	0.036 (J)	0.099 (J)	0.47	0.08 (J)
4/1/2020		<0.1	0.15	0.59	0.11
4/2/2020	0.26				
9/15/2020	0.21		0.099 (J)	0.49	
9/16/2020		<0.1			0.076 (J)
3/16/2021		<0.1	0.13		0.092 (J)
3/17/2021	0.28			0.54	
8/18/2021	0.35	<0.1			
8/19/2021			0.15	0.62	0.11
2/22/2022			0.062 (J)		
2/23/2022	0.36	0.043 (J)		0.66	0.11
8/2/2022	0.28		0.12	0.54	
8/3/2022		<0.1			0.096 (J)
2/7/2023		<0.1		0.53	
2/8/2023	0.31		0.13		0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
4/19/2016				0.02 (J)
4/21/2016	0.06 (J)	0.022 (J)		
6/15/2016				<0.1
6/16/2016	<0.2	<0.1	0.04 (J)	
8/10/2016	<0.2	<0.1	<0.1	<0.1
9/27/2016	<0.2	<0.1		<0.1
9/28/2016			0.097 (J)	
11/15/2016	<0.2	<0.1		<0.1
11/16/2016			0.092 (J)	
1/12/2017		<0.1		
1/13/2017	0.083 (J)			<0.1
1/17/2017			<0.1	
3/1/2017	<0.2	<0.1		<0.1
3/2/2017			<0.1	
4/24/2017		<0.1		<0.1
4/25/2017	<0.2		<0.1	
7/13/2017			<0.1	
10/12/2017	<0.2	<0.1	<0.1	<0.1
1/11/2018		<0.1		
1/12/2018	<0.2		<0.1	<0.1
7/11/2018	<0.2	<0.1		
7/12/2018			<0.1	<0.1
1/29/2019	0.031 (J)			
1/30/2019		<0.1	<0.1	<0.1
3/27/2019	0.034	<0.1	0.027	<0.1
9/11/2019	0.045 (J)	0.032 (J)	0.041 (J)	0.034 (J)
4/1/2020	0.082 (J)	0.04 (J)	0.05 (J)	0.051 (J)
9/15/2020	0.032 (J)	<0.1	0.028 (J)	
9/16/2020				<0.1
3/16/2021	0.04 (J)			
3/17/2021		<0.1	<0.1	0.035 (J)
8/19/2021	0.044 (J)	<0.1	<0.1	0.064 (J)
2/22/2022	0.033 (J)			
2/23/2022		0.037 (J)	0.03 (J)	0.049 (J)
8/3/2022	0.052 (J)			0.059 (J)
8/4/2022		<0.1	<0.1	
2/8/2023	0.052 (J)	<0.1	<0.1	0.061 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	<0.001	<0.001	<0.001	<0.001	
12/14/2015				<0.001	
12/15/2015	<0.001	<0.001	<0.001		
12/28/2015			<0.001	<0.001	
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001	<0.001	
1/16/2016					<0.001
1/25/2016	<0.001	<0.001	<0.001	<0.001	
4/19/2016					<0.001
4/20/2016	<0.001	<0.001		<0.001	
4/21/2016			<0.001		
6/14/2016	<0.001	<0.001			<0.001
6/15/2016			<0.001	<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	
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/10/2017					<0.001
1/11/2017		<0.001	<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
4/20/2017	<0.001	<0.001	<0.001	<0.001	
7/17/2017					<0.001
7/18/2017	<0.001				
7/19/2017		<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/10/2018	<0.001				<0.001
1/11/2018		<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	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<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	<0.001	0.00024 (J)	<0.001
3/16/2021	<0.001	<0.001		<0.001	<0.001
3/17/2021			<0.001		
8/17/2021		0.00021 (J)		<0.001	0.00081 (J)
8/18/2021	<0.001				
8/19/2021			<0.001		
2/22/2022	<0.001	<0.001	<0.001	<0.001	0.0054
8/2/2022	<0.001	<0.001	<0.001	<0.001	0.00043 (J)
2/6/2023	<0.001				
2/7/2023		<0.001	<0.001	<0.001	0.0015

Time Series

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2004	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2004	<0.001	<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	<0.001
12/7/2005	<0.001	<0.001	<0.001	<0.001	<0.001
6/22/2006	<0.001	<0.001	<0.001	<0.001	<0.001
11/28/2006	<0.001	<0.001	<0.001	<0.001	<0.001
7/6/2007	<0.001	<0.001	<0.001	<0.001	<0.001
12/13/2007	<0.001	<0.001	<0.001	<0.001	<0.001
6/20/2008	<0.001	<0.001	<0.001	<0.001	<0.001
12/7/2008	<0.001	<0.001	<0.001	<0.001	<0.001
7/9/2009	<0.001	<0.001	<0.001	<0.001	
7/10/2009					<0.001
12/28/2009	<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	<0.001	<0.001
1/4/2011		<0.001	<0.001	<0.001	<0.001
1/5/2011	0.014 (o)				
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			<0.001
1/20/2012	<0.001				
1/21/2012		<0.001	<0.001	<0.001	<0.001
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001
1/19/2013	<0.001		<0.001		
1/20/2013		<0.001		<0.001	<0.001
7/18/2013	<0.001		<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			<0.001
7/10/2014		<0.001	<0.001		<0.001
7/11/2014	<0.001			<0.001	
1/15/2015	<0.001		<0.001		
1/16/2015		<0.001		<0.001	<0.001
6/19/2015	<0.001		<0.001		
6/20/2015		<0.001		<0.001	<0.001
1/14/2016		<0.001	<0.001		
1/16/2016	<0.001			<0.001	<0.001
4/19/2016	<0.001				
4/20/2016		<0.001	<0.001	<0.001	
4/21/2016					<0.001
6/14/2016	<0.001	<0.001	0.00019 (J)		
6/15/2016				<0.001	
6/16/2016					<0.001
8/9/2016	<0.001		<0.001		
8/10/2016				<0.001	<0.001
8/11/2016		<0.001			
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/14/2016	<0.001	<0.001			
11/15/2016			<0.001	<0.001	<0.001
1/10/2017	<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/11/2017			<0.001		
1/12/2017				<0.001	<0.001
1/19/2017			0.001 (J)		
1/23/2017				<0.001	
1/24/2017			<0.001		
2/28/2017	<0.001	<0.001	<0.001		
3/1/2017				<0.001	<0.001
4/19/2017	<0.001				
4/20/2017		<0.001	0.00041 (J)	<0.001	
4/24/2017					<0.001
7/18/2017	<0.001	<0.001	<0.001		
7/19/2017				<0.001	
7/24/2017					<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		
7/12/2018				<0.001	<0.001
1/29/2019	<0.001	<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	<0.001
9/10/2019		0.00051 (J)	0.00074 (J)		
9/11/2019	<0.001			<0.001	<0.001
3/31/2020		0.00024 (J)	<0.001		
4/1/2020	<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		
8/17/2021	<0.001				
8/18/2021				<0.001	<0.001
8/19/2021		<0.001	<0.001		
2/22/2022	<0.001		<0.001		
2/23/2022		0.00019 (J)		<0.001	<0.001
8/2/2022	0.015		<0.001		
8/3/2022		0.0037		<0.001	<0.001
2/7/2023	<0.001	<0.001	<0.001	<0.001	
2/8/2023					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
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			
7/10/2009	<0.001	<0.001			
12/28/2009		<0.001			
12/29/2009	<0.001				
6/22/2010	<0.001	<0.001			
1/4/2011		<0.001			
1/5/2011	<0.001				
7/9/2011	<0.001	<0.001			
1/20/2012		<0.001			
1/21/2012	<0.001				
7/11/2012	<0.001	<0.001			
1/19/2013	<0.001	<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				
12/8/2015			<0.001	<0.001	<0.001
12/14/2015			<0.001	<0.001	
12/15/2015					<0.001
12/28/2015			<0.001	<0.001	<0.001
1/13/2016			<0.001		
1/14/2016	<0.001			<0.001	<0.001
1/16/2016		<0.001			
1/26/2016			<0.001	<0.001	<0.001
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/15/2016	0.0002 (J)	<0.001	<0.001		
6/16/2016				0.00015 (J)	<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	<0.001		
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	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/16/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	<0.001
4/20/2017		<0.001	<0.001		
4/24/2017	0.00037 (J)				
4/25/2017				<0.001	<0.001
7/19/2017			<0.001		
7/20/2017		<0.001			
7/24/2017	<0.001				
7/25/2017				<0.001	<0.001
1/11/2018	<0.001	<0.001	<0.001		
1/12/2018				<0.001	<0.001
7/11/2018			<0.001	<0.001	<0.001
7/12/2018	<0.001	<0.001			
1/29/2019			<0.001		<0.001
1/30/2019	<0.001	<0.001		0.00067 (J)	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	0.00017 (J)	<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	
9/16/2020		<0.001			<0.001
3/16/2021		<0.001	<0.001		<0.001
3/17/2021	0.00031 (J)			0.00015 (J)	
8/18/2021	<0.001	<0.001			
8/19/2021			<0.001	0.00037 (J)	<0.001
2/22/2022			<0.001		
2/23/2022	0.00017 (J)	<0.001		0.00026 (J)	<0.001
8/2/2022	<0.001		<0.001	0.00029 (J)	
8/3/2022		<0.001			<0.001
2/7/2023		<0.001		0.00035 (J)	
2/8/2023	<0.001		<0.001		<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
8/25/2004				0.0056 (o)
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
12/9/2015	<0.001	<0.001		
12/14/2015	<0.001	<0.001		
12/29/2015	<0.001	<0.001		
1/14/2016	<0.001	<0.001		<0.001
1/25/2016	<0.001	<0.001		
4/19/2016				<0.001
4/21/2016	<0.001	<0.001		
6/15/2016				<0.001
6/16/2016	<0.001	<0.001	<0.001	
8/10/2016	<0.001	<0.001	<0.001	<0.001
9/27/2016	<0.001	0.00079 (J)		<0.001
9/28/2016			<0.001	
11/15/2016	<0.001	<0.001		<0.001
11/16/2016			<0.001	
1/12/2017		<0.001		
1/13/2017	<0.001			<0.001
1/17/2017			<0.001	
3/1/2017	<0.001	<0.001		<0.001
3/2/2017			<0.001	
4/24/2017		<0.001		<0.001
4/25/2017	<0.001		<0.001	
7/13/2017			<0.001	
7/24/2017				<0.001
7/25/2017	<0.001	<0.001	<0.001	
1/11/2018		<0.001		
1/12/2018	<0.001		<0.001	<0.001
7/11/2018	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			<0.001	<0.001
1/29/2019	<0.001			
1/30/2019		<0.001	0.00013 (J)	<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001
9/11/2019	0.00024 (J)	0.00021 (J)	0.00018 (J)	<0.001
4/1/2020	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	
9/16/2020				<0.001
3/16/2021	<0.001			
3/17/2021		<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
8/3/2022	<0.001			<0.001
8/4/2022		<0.001	0.00034 (J)	
2/8/2023	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
4/19/2016					<0.0002
4/20/2016	<0.0002	<0.0002		<0.0002	
4/21/2016			<0.0002		
6/14/2016	<0.0002	<0.0002			<0.0002
6/15/2016			<0.0002	<0.0002	
8/9/2016	0.00012 (J)	0.00012 (J)	0.00011 (J)	0.0001 (J)	0.00011 (J)
9/26/2016					<0.0002
9/27/2016	<0.0002	<0.0002	<0.0002	<0.0002	
11/15/2016	9.7E-05 (J)	0.00011 (J)	9.3E-05 (J)	7.2E-05 (J)	<0.0002
1/10/2017					<0.0002
1/11/2017		<0.0002	<0.0002	<0.0002	
1/12/2017	<0.0002				
2/28/2017	0.00015 (J)	7.5E-05 (J)	0.00016 (J)		0.00014 (J)
3/1/2017				<0.0002	
4/19/2017					<0.0002
4/20/2017	<0.0002	<0.0002	<0.0002	<0.0002	
7/11/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/7/2023 10:24 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
4/19/2016	<0.0002				
4/20/2016		<0.0002	<0.0002	<0.0002	
4/21/2016					<0.0002
6/14/2016	<0.0002	<0.0002	<0.0002		
6/15/2016				<0.0002	
6/16/2016					<0.0002
8/9/2016	0.0001 (J)		0.0001 (J)		
8/10/2016				<0.0002	0.00011 (J)
8/11/2016		<0.0002			
9/27/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
11/14/2016	<0.0002	<0.0002			
11/15/2016			<0.0002	8.4E-05 (J)	0.0001 (J)
1/10/2017	<0.0002	<0.0002			
1/11/2017			<0.0002		
1/12/2017				<0.0002	<0.0002
1/19/2017			<0.0002		
1/23/2017				<0.0002	
1/24/2017			<0.0002		
2/28/2017	0.00016 (J)	0.00014 (J)	0.00012 (J)		
3/1/2017				<0.0002	<0.0002
4/19/2017	<0.0002				
4/20/2017		<0.0002	<0.0002	<0.0002	
4/24/2017					<0.0002
7/11/2018	<0.0002	<0.0002	<0.0002		
7/12/2018				<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
4/19/2016				<0.0002	<0.0002
4/20/2016	<0.0002	<0.0002	<0.0002		
6/15/2016	<0.0002	<0.0002	<0.0002		
6/16/2016				<0.0002	<0.0002
8/9/2016			0.00011 (J)		
8/10/2016	0.00012 (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	9.3E-05 (J)	0.00014 (J)	<0.0002		7.8E-05 (J)
11/16/2016				<0.0002	
1/11/2017			<0.0002	<0.0002	
1/12/2017	<0.0002	<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	<0.0002		
4/24/2017	<0.0002				
4/25/2017				<0.0002	<0.0002
7/11/2018			<0.0002	<0.0002	<0.0002
7/12/2018	<0.0002	<0.0002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
4/19/2016				<0.0002
4/21/2016	<0.0002	<0.0002		
6/15/2016				<0.0002
6/16/2016	<0.0002	<0.0002	<0.0002	
8/10/2016	0.00011 (J)	0.00011 (J)	0.00013 (J)	0.00011 (J)
9/27/2016	<0.0002	<0.0002		<0.0002
9/28/2016			<0.0002	
11/15/2016	7.3E-05 (J)	0.00018 (J)		0.00013 (J)
11/16/2016			<0.0002	
1/12/2017		<0.0002		
1/13/2017	<0.0002			<0.0002
1/17/2017			<0.0002	
3/1/2017	<0.0002	<0.0002		<0.0002
3/2/2017			<0.0002	
4/24/2017		<0.0002		<0.0002
4/25/2017	<0.0002		<0.0002	
7/13/2017			<0.0002	
7/11/2018	<0.0002	0.00077		
7/12/2018			<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
8/25/2004					<0.0025
9/11/2004					<0.0025
9/26/2004					<0.0025
10/13/2004					<0.0025
7/11/2005					<0.0025
12/7/2005					<0.0025
6/22/2006					<0.0025
11/28/2006					<0.0025
7/6/2007					<0.0025
12/13/2007					<0.0025
6/20/2008					<0.0025
12/7/2008					<0.0025
7/9/2009					0.0043
12/28/2009					<0.0025
6/22/2010					<0.0025
1/4/2011					<0.0025
7/9/2011					<0.0025
1/21/2012					<0.0025
7/11/2012					<0.0025
1/20/2013					<0.0025
7/19/2013					<0.0025
1/15/2014					0.0016 (J)
7/11/2014					<0.0025
1/16/2015					<0.0025
6/20/2015					<0.0025
12/7/2015	<0.001	<0.001	<0.001	<0.001	
12/14/2015				<0.001	
12/15/2015	<0.001	<0.001	<0.001		
12/28/2015			<0.001	<0.001	
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001	<0.001	
1/16/2016					<0.0025
1/25/2016	<0.001	<0.001	<0.001	<0.001	
6/14/2016	<0.001	0.00052 (J)			0.0006 (J)
6/15/2016			<0.001	<0.001	
1/10/2017					<0.0025
1/11/2017		<0.001	<0.001	<0.001	
1/12/2017	<0.001				
7/17/2017					<0.0025
7/18/2017	<0.001				
7/19/2017		<0.001	<0.001	<0.001	
1/10/2018	<0.001				0.0026
1/11/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.0025
1/29/2019	0.00033 (J)	0.0004 (J)	0.00046 (J)	0.0004 (J)	0.00063 (J)
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.0025
9/10/2019	0.0004 (J)	0.00056 (J)		0.00036 (J)	
9/11/2019			0.00042 (J)		0.00091 (J)
3/31/2020	<0.001				
4/1/2020		0.00043 (J)	<0.001	<0.001	0.00077 (J)
9/15/2020	0.00037 (J)	0.00075 (J)	0.00047 (J)	0.00045 (J)	0.00094 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
3/16/2021	<0.001	0.00045 (J)		0.00043 (J)	0.00072 (J)
3/17/2021			0.00047 (J)		
8/17/2021		0.00061 (J)		0.00052 (J)	0.00097 (J)
8/18/2021	<0.001				
8/19/2021			<0.001		
2/22/2022	<0.001	<0.001	0.00061 (J)	<0.001	0.00092 (J)
8/2/2022	<0.001	<0.001	<0.001	<0.001	0.00086 (J)
2/6/2023	<0.001				
2/7/2023		0.00061 (J)	<0.001	0.00054 (J)	0.00083 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.001	<0.001	<0.001	<0.0025	<0.001
9/11/2004	0.03 (O)	<0.001	<0.001	<0.0025	<0.001
9/26/2004	<0.001	<0.001	<0.001	<0.0025	<0.001
10/13/2004	<0.001	<0.001	<0.001		<0.001
7/11/2005	<0.001	<0.001	<0.001	<0.0025	<0.001
12/7/2005	<0.001	<0.001	<0.001	<0.0025	<0.001
6/22/2006	<0.001	<0.001	<0.001	<0.0025	<0.001
11/28/2006	<0.001	<0.001	<0.001	<0.0025	<0.001
7/6/2007	<0.001	<0.001	<0.001	<0.0025	<0.001
12/13/2007	<0.001	<0.001	<0.001	<0.0025	<0.001
6/20/2008	<0.001	<0.001	<0.001	<0.0025	<0.001
12/7/2008	<0.001	<0.001	<0.001	<0.0025	<0.001
7/9/2009	<0.001	<0.001	<0.001	<0.0025	
7/10/2009					<0.001
12/28/2009	<0.001			<0.0025	
12/29/2009			<0.001		<0.001
12/30/2009		0.0048			
6/22/2010	<0.001	<0.001	<0.001	<0.0025	<0.001
1/4/2011		<0.001	<0.001	<0.0025	<0.001
1/5/2011	0.025 (O)				
7/9/2011	<0.001		<0.001	<0.0025	
7/10/2011		<0.001			<0.001
1/20/2012	<0.001				
1/21/2012		0.0026	<0.001	<0.0025	<0.001
7/11/2012	<0.001	0.0072	0.0031	<0.0025	<0.001
1/19/2013	<0.001		<0.001		
1/20/2013		0.0025		<0.0025	<0.001
7/18/2013	<0.001		<0.001		
7/19/2013		<0.001		<0.0025	<0.001
1/15/2014	<0.001		<0.001	0.0013 (J)	
1/16/2014		0.0031			<0.001
7/10/2014		<0.001	<0.001		<0.001
7/11/2014	<0.001			0.0013 (J)	
1/15/2015	<0.001		<0.001		
1/16/2015		0.0024 (J)		<0.0025	<0.001
6/19/2015	<0.001		<0.001		
6/20/2015		<0.001		0.0016 (J)	0.0013 (J)
1/14/2016		<0.001	<0.001		
1/16/2016	<0.001			<0.0025	<0.001
6/14/2016	<0.001	0.0013 (J)	0.00054 (J)		
6/15/2016				0.00088 (J)	
6/16/2016					<0.001
1/10/2017	<0.001	<0.001			
1/11/2017			<0.001		
1/12/2017				<0.0025	<0.001
7/18/2017	<0.001	<0.001	<0.001		
7/19/2017				<0.0025	
7/24/2017					<0.001
1/10/2018	<0.001	<0.001	<0.001		
1/11/2018				<0.0025	<0.001
7/11/2018	<0.001	0.003	<0.001		
7/12/2018				<0.0025	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/29/2019	0.00034 (J)	0.0021 (J)	<0.001		
1/30/2019				<0.0025	<0.001
3/26/2019		0.0021	<0.001		
3/27/2019	<0.001			<0.0025	<0.001
9/10/2019		0.002	0.00043 (J)		
9/11/2019	0.00045 (J)			0.0013	<0.001
3/31/2020		0.0028	<0.001		
4/1/2020	<0.001			0.00099 (J)	<0.001
9/15/2020	0.00038 (J)		0.00056 (J)	0.0012	0.0013
9/16/2020		0.00096 (J)			
3/16/2021	<0.001			0.0012	0.00043 (J)
3/17/2021		0.00083 (J)	0.00041 (J)		
8/17/2021	0.00047 (J)				
8/18/2021				0.0014	<0.001
8/19/2021		0.00065 (J)	0.00043 (J)		
2/22/2022	<0.001		<0.001		
2/23/2022		<0.001		0.0012	<0.001
8/2/2022	0.00054 (J)		<0.001		
8/3/2022		0.00078 (J)		0.0013	<0.001
2/7/2023	<0.001	<0.001	0.00046 (J)	0.0012	
2/8/2023					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	<0.001	<0.0025			
9/11/2004	<0.001	<0.0025			
9/26/2004	<0.001	<0.0025			
10/13/2004	<0.001	<0.0025			
7/11/2005	<0.001	<0.0025			
12/7/2005	<0.001	<0.0025			
6/22/2006	<0.001	<0.0025			
11/28/2006	<0.001	<0.0025			
7/6/2007	<0.001	<0.0025			
12/13/2007	<0.001	<0.0025			
6/20/2008	<0.001	<0.0025			
12/7/2008	<0.001	<0.0025			
7/10/2009	<0.001	<0.0025			
12/28/2009		<0.0025			
12/29/2009	<0.001				
6/22/2010	<0.001	<0.0025			
1/4/2011		<0.0025			
1/5/2011	<0.001				
7/9/2011	<0.001	<0.0025			
1/20/2012		<0.0025			
1/21/2012	<0.001				
7/11/2012	0.0049	0.0057			
1/19/2013	<0.001	<0.0025			
7/18/2013		<0.0025			
7/19/2013	<0.001				
1/15/2014	<0.001	0.0043			
7/11/2014	0.0029	0.0026			
1/15/2015		<0.0025			
1/16/2015	0.0014 (J)				
6/19/2015		<0.0025			
6/20/2015	<0.001				
12/8/2015			0.0036	<0.0025	0.0022 (J)
12/14/2015			0.0035	0.0019 (J)	
12/15/2015					0.0019 (J)
12/28/2015			0.0032	0.0018 (J)	0.0017 (J)
1/13/2016			0.0029		
1/14/2016	<0.001			0.0017 (J)	0.0029
1/16/2016		<0.0025			
1/26/2016			0.0027	0.0019 (J)	0.0014 (J)
6/15/2016	0.00085 (J)	0.00068 (J)	0.0018 (J)		
6/16/2016				0.0014 (J)	0.0013 (J)
1/11/2017			0.002 (J)	<0.0025	
1/12/2017	<0.001	<0.0025			
1/16/2017					0.0018 (J)
7/19/2017			0.002 (J)		
7/20/2017		<0.0025			
7/24/2017	<0.001				
7/25/2017				<0.0025	0.002 (J)
1/11/2018	<0.001	<0.0025	0.0019 (J)		
1/12/2018				<0.0025	0.002 (J)
7/11/2018			<0.0025	<0.0025	0.0018 (J)
7/12/2018	<0.001	<0.0025			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/29/2019			0.0016 (J)		0.0017 (J)
1/30/2019	<0.001	<0.0025		<0.0025	
3/27/2019	<0.001	<0.0025	0.0018	<0.0025	<0.0025
9/11/2019	0.00042 (J)	0.001	0.0018	0.0012	0.0018
4/1/2020		0.0008 (J)	0.0016	0.00095	0.0014
4/2/2020	0.0009 (J)				
9/15/2020	0.00063 (J)		0.0016	0.00092 (J)	
9/16/2020		0.00088 (J)			0.0012
3/16/2021		0.00093 (J)	0.0015		0.0012
3/17/2021	0.00077 (J)			0.0011	
8/18/2021	0.00034 (J)	0.00097 (J)			
8/19/2021			0.0017	0.0011	0.0012
2/22/2022			0.0017		
2/23/2022	<0.001	0.0011		0.001	0.0011
8/2/2022	<0.001		0.0019	0.00086 (J)	
8/3/2022		0.0064			0.0051
2/7/2023		0.00082 (J)		0.0011	
2/8/2023	<0.001		0.0017		0.0012

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	0.0042	<0.0025		
12/14/2015	0.0067	<0.0025		
12/29/2015	0.0067	<0.0025		
1/14/2016	0.0039	<0.0025		<0.001
1/25/2016	0.0049	<0.0025		
6/15/2016				<0.001
6/16/2016	0.003 (J)	0.0012 (J)	0.0009 (J)	
1/12/2017		<0.0025		
1/13/2017	<0.0025			<0.001
1/17/2017			<0.0025	
7/24/2017				<0.001
7/25/2017	<0.0025	<0.0025	0.002 (J)	
1/11/2018		<0.0025		
1/12/2018	<0.0025		0.0023 (J)	<0.001
7/11/2018	<0.0025	<0.0025		
7/12/2018			0.0026	<0.001
1/29/2019	0.00093 (J)			
1/30/2019		<0.0025	<0.0025	<0.001
3/27/2019	<0.0025	<0.0025	0.0018	<0.001
9/11/2019	0.0014	0.00097 (J)	0.0023	0.00065 (J)
4/1/2020	0.001	0.00067 (J)	0.0013	<0.001
9/15/2020	0.0011	0.0007 (J)	0.0013	
9/16/2020				0.00075 (J)
3/16/2021	0.00093 (J)			
3/17/2021		0.00068 (J)	0.0014	0.0006 (J)
8/19/2021	0.00092 (J)	0.00067 (J)	0.0013	0.00038 (J)
2/22/2022	0.00092 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
2/23/2022		0.00071 (J)	0.0013	0.00076 (J)
8/3/2022	0.001			0.0015
8/4/2022		0.00065 (J)	0.0016	
2/8/2023	0.00083 (J)	0.00064 (J)	0.0013	0.00084 (J)

Time Series

Constituent: pH (S.U.) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
6/20/2015					4.69
12/14/2015				5.26	
12/15/2015	5.13	5.24	5.2		
4/19/2016					4.99
4/20/2016	5.16	5.41		5.16	
4/21/2016			5.18		
6/14/2016					4.98
6/15/2016	5.35	5.74	5.47	5.04	
8/9/2016	4.89	5.41	5.01	5.07	4.72
9/26/2016					4.74
9/27/2016	5.02	5.42	5.22	5.11	
11/15/2016	5.04	5.33	5.07	5.11	4.8
1/10/2017					4.59
1/11/2017		5.32	5	5.07	
1/12/2017	5.19				
2/28/2017	4.86	5.32	5.1		4.91
3/1/2017				5.14	
4/19/2017					4.98
4/20/2017	5.01	5.31	5.12	5.05	
7/17/2017					4.61
7/18/2017	4.88				
7/19/2017		5.19	4.84	4.95	
10/17/2017	4.93	5.27	4.95	5.17	4.93
1/10/2018	4.9				4.78
1/11/2018		5.19	5.01	4.97	
7/11/2018	4.99 (D)	5.25 (D)	5.01	5.07	4.75 (D)
1/29/2019	4.82	5.25	5.18	4.83	4.91
3/26/2019	5.07	5.29	5.04	4.95	
3/27/2019					4.69
9/10/2019	5	5.18		5.12	
9/11/2019			5.28		4.77
3/31/2020	5.1				
4/1/2020		5.26	5.35	4.95	4.77
9/15/2020	5.07	5.83	4.92	5.02	4.52
3/16/2021	4.47	4.76		4.68	4.76
3/17/2021			5.41		
8/17/2021		5.12		4.95	4.62
8/18/2021	4.93				
8/19/2021			4.92		
2/22/2022	4.91	5.2	5.15	4.98	4.69
8/2/2022	4.86	5.05	4.9	4.93	4.57
2/6/2023	4.75				
2/7/2023		5.03	5.19	4.88	4.73

Time Series

Constituent: pH (S.U.) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
6/19/2015	5.23		5.95		
6/20/2015		4.92		4.87	6.28
4/19/2016	4.92				
4/20/2016		4.9	5.85	5.43	
4/21/2016					6.21
6/14/2016	4.89	4.9	5.53		
6/15/2016				5.28	
6/16/2016					6.27
8/9/2016	4.92		5.44		
8/10/2016				5.15	6.12
8/11/2016		5.37			
9/27/2016	5.25	5.89	5.59	5.19	6.29
11/14/2016	4.96	5.94			
11/15/2016			5.58	5.2	6.12
1/10/2017	4.21	5.44			
1/11/2017			5.56		
1/12/2017				5.27	6.23
2/28/2017	4.95	5.49	5.53		
3/1/2017				5.31	6.15
4/19/2017	5.12				
4/20/2017		5.51	5.63	5.29	
4/24/2017					6.8
7/18/2017	4.89	5.26	5.51		
7/19/2017				5.03	
7/24/2017					6.19
10/17/2017	4.96	5.28	5.62	5.25	6.11
1/10/2018	4.93	5.05	5.59		
1/11/2018				5.02	6.32
7/11/2018	4.87 (D)	4.53	5.49		
7/12/2018				5.04 (D)	6.7 (D)
1/29/2019	4.98	4.66	5.39		
1/30/2019				5.21	6.2
3/26/2019		4.72	5.45		
3/27/2019	4.8			5.15	6.54
9/10/2019		4.72	5.71		
9/11/2019	5.03			4.8	6.63
3/31/2020		5.06	5.45		
4/1/2020	4.92			5	6.52
9/15/2020	4.72		5.27	4.76	6.66
9/16/2020		4.87			
3/16/2021	4.91			4.89	6.48
3/17/2021		4.9	4.8		
8/17/2021	4.82				
8/18/2021				4.89	6.32
8/19/2021		4.86	5.23		
2/22/2022	4.9		5.34		
2/23/2022		4.8		4.92	6.46
8/2/2022	4.75		5.23		
8/3/2022		4.79		4.83	6.34
2/7/2023	4.91	4.84	5.17	5.07	
2/8/2023					6.31

Time Series

Constituent: pH (S.U.) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
6/19/2015		5.05			
6/20/2015	6.13				
12/14/2015			5.19	7.1	
12/15/2015					5.98
4/19/2016				6.87	5.98
4/20/2016	6.28	5.17	5.26		
6/15/2016	6.55	5.12	5.12		
6/16/2016				6.84	5.85
8/9/2016			5.09		
8/10/2016	6.22	5.12			5.79
8/11/2016				6.42	
9/27/2016	6.33	5.19	5.32		
9/28/2016				6.57	5.9
11/15/2016	6.28	5.14	5.25		5.66
11/16/2016				6.51	
1/11/2017			5.23	6.43	
1/12/2017	6.26	5.13			
1/16/2017					5.65
3/1/2017	6.41	5.05	5.25	6.48	5.62
4/20/2017		5.15	5.36		
4/24/2017	6.26				
4/25/2017				6.58	5.59
7/19/2017			5.12		
7/20/2017		5.04			
7/24/2017	6.27				
7/25/2017				6.37	5.55
10/17/2017	6.35	5.03	5.23	6.53	5.68
1/11/2018	6.15	5.13	5.28		
1/12/2018				6.47	
7/11/2018			5.23 (D)	6.18 (D)	5.6 (D)
7/12/2018	6.63 (D)	5.09 (D)			
1/29/2019			5.35		5.58
1/30/2019	6.09	5.01		5.93	
3/27/2019	6.32	4.93	5.25	6.11	5.59
9/11/2019	6.37	5.04	5.16	6.3	5.58
4/1/2020		5.05	5.3	6.15	5.67
4/2/2020	6.38				
9/15/2020	6.62		5.29	6.13	
9/16/2020		4.91			5.43
3/16/2021		4.97	4.83		5.45
3/17/2021	6.58			5.99	
8/18/2021	6.54	5.01			
8/19/2021			5.29	6.17	5.69
2/22/2022			5.29		
2/23/2022	6.28	5.1		6.2	5.63
8/2/2022	6.4		5.18	6.41	
8/3/2022		4.98			5.62
2/7/2023		5.07		6.47	
2/8/2023	6.24		5.31		5.59

Time Series

Constituent: pH (S.U.) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
6/20/2015				4.7
12/14/2015	5.24	5.84		
4/19/2016				4.98
4/21/2016	4.88	5.43		
6/15/2016				5.2
6/16/2016	4.85	5.23		
8/10/2016	4.84	5.11	6.34	4.78
9/27/2016	5.32	5.06		4.91
9/28/2016			6.29	
11/15/2016	4.97	5.01		4.81
11/16/2016			6.18	
1/12/2017		4.99		
1/13/2017	4.97			5.28
1/17/2017			5.68	
3/1/2017		5		4.81
3/2/2017			5.75	
4/24/2017		5.8		4.99
4/25/2017	4.91		5.65	
7/13/2017			5.65	
7/24/2017				4.82
7/25/2017	4.89	4.92	5.24	
10/17/2017	4.97	4.89	5.37	4.85
1/11/2018		4.98		
1/12/2018	4.97		5.35	4.83
7/11/2018	4.89 (D)	4.96 (D)		
7/12/2018			5.21 (D)	4.8 (D)
1/29/2019	4.94			
1/30/2019		4.65	5.14	4.88
3/27/2019	4.94	4.96	5.3	4.75
9/11/2019	4.96	4.99	5.24	4.8
4/1/2020	5.03	5.04	5.23	4.93
9/15/2020	4.96	4.86	5.18	
9/16/2020				4.74
3/16/2021	4.78			
3/17/2021		4.8	4.97	4.69
8/19/2021	4.91	4.81	5.16	4.89
2/22/2022	5.02			
2/23/2022		4.87	5.11	5.07
8/3/2022	4.98			5.29
8/4/2022		4.83	5.12	
2/8/2023	4.84	4.85	5.08	5.31

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	<0.005	<0.005	<0.005	<0.005	
12/14/2015				<0.005	
12/15/2015	<0.005	<0.005	<0.005		
12/28/2015			<0.005	<0.005	
12/29/2015	<0.005	<0.005			
1/13/2016	<0.005	<0.005	<0.005	<0.005	
1/16/2016					<0.005
1/25/2016	<0.005	<0.005	<0.005	<0.005	
4/19/2016					<0.005
4/20/2016	<0.005	<0.005		<0.005	
4/21/2016			<0.005		
6/14/2016	<0.005	<0.005			<0.005
6/15/2016			<0.005	<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	<0.005	
11/15/2016	<0.005	<0.005	<0.005	<0.005	<0.005
1/10/2017					<0.005
1/11/2017		<0.005	<0.005	<0.005	
1/12/2017	<0.005				
2/28/2017	<0.005	<0.005	<0.005		<0.005
3/1/2017				<0.005	
4/19/2017					0.00065 (J)
4/20/2017	<0.005	<0.005	<0.005	<0.005	
7/17/2017					0.00047 (J)
7/18/2017	<0.005				
7/19/2017		<0.005	0.00071 (J)	0.00025 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
1/10/2018	0.00025 (J)				0.00052 (J)
1/11/2018		<0.005	<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	<0.005	
3/27/2019					<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
3/17/2021			<0.005		
8/17/2021		<0.005		<0.005	<0.005
8/18/2021	<0.005				
8/19/2021			<0.005		
2/22/2022	<0.005	<0.005	<0.005	<0.005	<0.005
8/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005
2/6/2023	<0.005				
2/7/2023		<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2004	<0.005	<0.005	<0.005	<0.005	<0.005
9/26/2004	<0.005	<0.005	<0.005	<0.005	<0.005
10/13/2004	<0.005	<0.005	<0.005		<0.005
7/11/2005	<0.005	<0.005	<0.005	<0.005	<0.005
12/7/2005	<0.005	<0.005	<0.005	<0.005	<0.005
6/22/2006	<0.005	<0.005	<0.005	<0.005	<0.005
11/28/2006	<0.005	<0.005	<0.005	<0.005	<0.005
7/6/2007	<0.005	<0.005	<0.005	<0.005	<0.005
12/13/2007	<0.005	<0.005	<0.005	<0.005	<0.005
6/20/2008	<0.005	<0.005	<0.005	<0.005	<0.005
12/7/2008	<0.005	<0.005	<0.005	<0.005	<0.005
7/9/2009	<0.005	<0.005	<0.005	<0.005	
7/10/2009					<0.005
12/28/2009	<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	<0.005	<0.005
1/4/2011		<0.005	<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			<0.005
1/20/2012	<0.005				
1/21/2012		<0.005	<0.005	<0.005	<0.005
7/11/2012	<0.005	<0.005	<0.005	<0.005	<0.005
1/19/2013	<0.005		<0.005		
1/20/2013		<0.005		<0.005	<0.005
7/18/2013	<0.005		<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			<0.005
7/10/2014		<0.005	<0.005		<0.005
7/11/2014	<0.005			<0.005	
1/15/2015	<0.005		<0.005		
1/16/2015		<0.005		<0.005	<0.005
6/19/2015	<0.005		<0.005		
6/20/2015		<0.005		<0.005	<0.005
1/14/2016		<0.005	<0.005		
1/16/2016	<0.005			<0.005	<0.005
4/19/2016	<0.005				
4/20/2016		<0.005	<0.005	<0.005	
4/21/2016					<0.005
6/14/2016	<0.005	<0.005	<0.005		
6/15/2016				<0.005	
6/16/2016					<0.005
8/9/2016	<0.005		<0.005		
8/10/2016				<0.005	0.00026 (J)
8/11/2016		<0.005			
9/27/2016	0.00045 (J)	<0.005	<0.005	<0.005	0.00024 (J)
11/14/2016	<0.005	<0.005			
11/15/2016			<0.005	<0.005	<0.005
1/10/2017	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/11/2017			<0.005		
1/12/2017				0.00035 (J)	<0.005
1/19/2017			0.0006 (J)		
1/23/2017				<0.005	
1/24/2017			0.025 (o)		
2/28/2017	0.0027	0.0024	<0.005		
3/1/2017				<0.005	<0.005
4/19/2017	0.002				
4/20/2017		<0.005	<0.005	<0.005	
4/24/2017					<0.005
7/18/2017	0.0017	0.00026 (J)	<0.005		
7/19/2017				0.00026 (J)	
7/24/2017					<0.005
1/10/2018	0.00079 (J)	0.00069 (J)	<0.005		
1/11/2018				<0.005	<0.005
7/11/2018	<0.005	<0.005	<0.005		
7/12/2018				<0.005	<0.005
1/29/2019	<0.005	<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	<0.005
9/10/2019		<0.005	<0.005		
9/11/2019	<0.005			<0.005	<0.005
3/31/2020		<0.005	<0.005		
4/1/2020	<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		
8/17/2021	<0.005				
8/18/2021				<0.005	<0.005
8/19/2021		<0.005	<0.005		
2/22/2022	<0.005		<0.005		
2/23/2022		<0.005		<0.005	<0.005
8/2/2022	<0.005		<0.005		
8/3/2022		<0.005		<0.005	<0.005
2/7/2023	<0.005	<0.005	<0.005	<0.005	
2/8/2023					<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	<0.005	<0.005			
9/11/2004	<0.005	<0.005			
9/26/2004	<0.005	<0.005			
10/13/2004	<0.005	<0.005			
7/11/2005	<0.005	<0.005			
12/7/2005	<0.005	<0.005			
6/22/2006	<0.005	<0.005			
11/28/2006	<0.005	<0.005			
7/6/2007	<0.005	<0.005			
12/13/2007	<0.005	<0.005			
6/20/2008	<0.005	<0.005			
12/7/2008	<0.005	<0.005			
7/10/2009	<0.005	<0.005			
12/28/2009		<0.005			
12/29/2009	<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	<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				
12/8/2015			<0.005	<0.005	<0.005
12/14/2015			<0.005	<0.005	
12/15/2015					<0.005
12/28/2015			<0.005	<0.005	<0.005
1/13/2016			<0.005		
1/14/2016	<0.005			<0.005	<0.005
1/16/2016		<0.005			
1/26/2016			<0.005	<0.005	<0.005
4/19/2016				<0.005	<0.005
4/20/2016	<0.005	<0.005	<0.005		
6/15/2016	0.00052 (J)	<0.005	<0.005		
6/16/2016				<0.005	<0.005
8/9/2016			<0.005		
8/10/2016	0.00053 (J)	<0.005			<0.005
8/11/2016				<0.005	
9/27/2016	0.00047 (J)	<0.005	<0.005		
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	0.00025 (J)	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/16/2017					<0.005
3/1/2017	<0.005	<0.005	<0.005	<0.005	<0.005
4/20/2017		<0.005	<0.005		
4/24/2017	<0.005				
4/25/2017				<0.005	0.00052 (J)
7/19/2017			<0.005		
7/20/2017		<0.005			
7/24/2017	0.00032 (J)				
7/25/2017				<0.005	<0.005
1/11/2018	<0.005	<0.005	<0.005		
1/12/2018				<0.005	<0.005
7/11/2018			<0.005	0.00044 (J)	<0.005
7/12/2018	0.00025 (J)	<0.005			
1/29/2019			<0.005		<0.005
1/30/2019	<0.005	<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
4/2/2020	<0.005				
9/15/2020	<0.005		<0.005	<0.005	
9/16/2020		<0.005			<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			
8/19/2021			<0.005	<0.005	<0.005
2/22/2022			<0.005		
2/23/2022	<0.005	<0.005		<0.005	<0.005
8/2/2022	<0.005		<0.005	<0.005	
8/3/2022		<0.005			<0.005
2/7/2023		<0.005		<0.005	
2/8/2023	<0.005		<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	<0.005	<0.005		
12/14/2015	<0.005	<0.005		
12/29/2015	<0.005	<0.005		
1/14/2016	<0.005	<0.005		<0.005
1/25/2016	<0.005	<0.005		
4/19/2016				<0.005
4/21/2016	<0.005	<0.005		
6/15/2016				<0.005
6/16/2016	<0.005	<0.005	<0.005	
8/10/2016	<0.005	<0.005	<0.005	<0.005
9/27/2016	<0.005	0.00043 (J)		<0.005
9/28/2016			<0.005	
11/15/2016	<0.005	<0.005		<0.005
11/16/2016			<0.005	
1/12/2017		<0.005		
1/13/2017	<0.005			<0.005
1/17/2017			<0.005	
3/1/2017	<0.005	<0.005		<0.005
3/2/2017			<0.005	
4/24/2017		<0.005		<0.005
4/25/2017	0.0021		<0.005	
7/13/2017			<0.005	
7/24/2017				<0.005
7/25/2017	<0.005	<0.005	<0.005	
1/11/2018		<0.005		
1/12/2018	<0.005		<0.005	<0.005
7/11/2018	<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
7/12/2018			<0.005	<0.005
1/29/2019	<0.005			
1/30/2019		<0.005	<0.005	<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005
9/11/2019	<0.005	<0.005	<0.005	<0.005
4/1/2020	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	
9/16/2020				<0.005
3/16/2021	<0.005			
3/17/2021		<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
8/3/2022	<0.005			<0.005
8/4/2022		<0.005	<0.005	
2/8/2023	<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	<0.001	<0.001	<0.001	<0.001	
12/14/2015				<0.001	
12/15/2015	<0.001	<0.001	<0.001		
12/28/2015			<0.001	<0.001	
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001	<0.001	
1/16/2016					<0.001
1/25/2016	<0.001	<0.001	<0.001	<0.001	
6/14/2016	<0.001	<0.001			<0.001
6/15/2016			<0.001	<0.001	
1/10/2017					<0.001
1/11/2017		<0.001	<0.001	<0.001	
1/12/2017	<0.001				
7/17/2017					<0.001
7/18/2017	<0.001				
7/19/2017		<0.001	<0.001	<0.001	
1/10/2018	<0.001				<0.001
1/11/2018		<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	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001	<0.001	
3/27/2019					<0.001
9/10/2019	<0.001	<0.001		<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

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
3/16/2021	<0.001	<0.001		<0.001	<0.001
3/17/2021			<0.001		
8/17/2021		<0.001		<0.001	<0.001
8/18/2021	<0.001				
8/19/2021			<0.001		
2/22/2022	<0.001	<0.001	<0.001	<0.001	<0.001
8/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001
2/6/2023	<0.001				
2/7/2023		<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2004	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2004	<0.001	<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	<0.001
12/7/2005	<0.001	<0.001	<0.001	<0.001	<0.001
6/22/2006	<0.001	<0.001	<0.001	<0.001	<0.001
11/28/2006	<0.001	<0.001	<0.001	<0.001	<0.001
7/6/2007	<0.001	<0.001	<0.001	<0.001	<0.001
12/13/2007	<0.001	<0.001	<0.001	<0.001	<0.001
6/20/2008	<0.001	<0.001	<0.001	<0.001	<0.001
12/7/2008	<0.001	<0.001	<0.001	<0.001	<0.001
7/9/2009	<0.001	<0.001	<0.001	<0.001	
7/10/2009					<0.001
12/28/2009	<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	<0.001	<0.001
1/4/2011		<0.001	<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			<0.001
1/20/2012	<0.001				
1/21/2012		<0.001	<0.001	<0.001	<0.001
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001
1/19/2013	<0.001		<0.001		
1/20/2013		<0.001		<0.001	<0.001
7/18/2013	<0.001		<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			<0.001
7/10/2014		<0.001	<0.001		<0.001
7/11/2014	<0.001			<0.001	
1/15/2015	<0.001		<0.001		
1/16/2015		<0.001		<0.001	<0.001
6/19/2015	<0.001		<0.001		
6/20/2015		<0.001		<0.001	<0.001
1/14/2016		<0.001	<0.001		
1/16/2016	<0.001			<0.001	<0.001
6/14/2016	<0.001	<0.001	<0.001		
6/15/2016				<0.001	
6/16/2016					<0.001
1/10/2017	<0.001	<0.001			
1/11/2017			<0.001		
1/12/2017				<0.001	<0.001
7/18/2017	<0.001	<0.001	<0.001		
7/19/2017				<0.001	
7/24/2017					<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		
7/12/2018				<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/29/2019	<0.001	<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	<0.001
9/10/2019		<0.001	<0.001		
9/11/2019	<0.001			<0.001	<0.001
3/31/2020		<0.001	<0.001		
4/1/2020	<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		
8/17/2021	<0.001				
8/18/2021				<0.001	<0.001
8/19/2021		<0.001	<0.001		
2/22/2022	<0.001		<0.001		
2/23/2022		<0.001		<0.001	<0.001
8/2/2022	<0.001		<0.001		
8/3/2022		<0.001		<0.001	<0.001
2/7/2023	<0.001	<0.001	<0.001	<0.001	
2/8/2023					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
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			
7/10/2009	<0.001	<0.001			
12/28/2009		<0.001			
12/29/2009	<0.001				
6/22/2010	<0.001	<0.001			
1/4/2011		<0.001			
1/5/2011	<0.001				
7/9/2011	<0.001	<0.001			
1/20/2012		<0.001			
1/21/2012	<0.001				
7/11/2012	<0.001	<0.001			
1/19/2013	<0.001	<0.001			
7/18/2013		<0.001			
7/19/2013	<0.001				
1/15/2014	<0.001	<0.001			
7/11/2014	0.00061 (J)	<0.001			
1/15/2015		<0.001			
1/16/2015	<0.001				
6/19/2015		<0.001			
6/20/2015	<0.001				
12/8/2015			<0.001	<0.001	<0.001
12/14/2015			<0.001	<0.001	
12/15/2015					<0.001
12/28/2015			<0.001	<0.001	<0.001
1/13/2016			<0.001		
1/14/2016	<0.001			<0.001	<0.001
1/16/2016		<0.001			
1/26/2016			<0.001	<0.001	<0.001
6/15/2016	<0.001	<0.001	<0.001		
6/16/2016				<0.001	<0.001
1/11/2017			<0.001	<0.001	
1/12/2017	<0.001	<0.001			
1/16/2017					<0.001
7/19/2017			<0.001		
7/20/2017		<0.001			
7/24/2017	<0.001				
7/25/2017				<0.001	<0.001
1/11/2018	<0.001	<0.001	<0.001		
1/12/2018				<0.001	<0.001
7/11/2018			<0.001	<0.001	<0.001
7/12/2018	<0.001	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/29/2019			<0.001		<0.001
1/30/2019	<0.001	<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
4/2/2020	<0.001				
9/15/2020	<0.001		<0.001	<0.001	
9/16/2020		<0.001			<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			
8/19/2021			<0.001	<0.001	<0.001
2/22/2022			<0.001		
2/23/2022	<0.001	<0.001		<0.001	<0.001
8/2/2022	<0.001		<0.001	<0.001	
8/3/2022		<0.001			<0.001
2/7/2023		<0.001		<0.001	
2/8/2023	<0.001		<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	<0.001	<0.001		
12/14/2015	<0.001	<0.001		
12/29/2015	<0.001	<0.001		
1/14/2016	<0.001	<0.001		<0.001
1/25/2016	<0.001	<0.001		
6/15/2016				<0.001
6/16/2016	<0.001	<0.001	<0.001	
1/12/2017		<0.001		
1/13/2017	<0.001			<0.001
1/17/2017			<0.001	
7/24/2017				<0.001
7/25/2017	<0.001	<0.001	<0.001	
1/11/2018		<0.001		
1/12/2018	<0.001		<0.001	<0.001
7/11/2018	<0.001	<0.001		
7/12/2018			<0.001	<0.001
1/29/2019	<0.001			
1/30/2019		<0.001	<0.001	<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	
9/16/2020				<0.001
3/16/2021	<0.001			
3/17/2021		<0.001	<0.001	<0.001
8/19/2021	<0.001	<0.001	<0.001	<0.001
2/22/2022	<0.001			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
2/23/2022		<0.001	<0.001	<0.001
8/3/2022	<0.001			<0.001
8/4/2022		<0.001	<0.001	
2/8/2023	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
4/19/2016					1.27
4/20/2016	0.496 (J)	5.85		0.53 (J)	
4/21/2016			0.503 (J)		
6/14/2016	0.62 (J)	4.6			1.7
6/15/2016			0.62 (J)	0.67 (J)	
8/9/2016	<1	2.7	<1	<1	<1
9/26/2016					<1
9/27/2016	<1	2	<1	<1	
11/15/2016	<1	1.5	<1	<1	<1
1/10/2017					0.83 (J)
1/11/2017		1.4	<1	<1	
1/12/2017	<1				
2/28/2017	<1	1.1	<1		0.99 (J)
3/1/2017				<1	
4/19/2017					0.97 (J)
4/20/2017	<1	0.82 (J)	<1	<1	
10/10/2017					<1
10/11/2017	<1	<1	<1	<1	
1/10/2018	<1				<1
1/11/2018		<1	<1	<1	
7/11/2018	<1	<1	<1	<1	<1
1/29/2019	1.2	0.52 (J)	0.43 (J)	<1	0.64 (J)
3/26/2019	0.63	0.92	0.79	0.9	
3/27/2019					<1
9/10/2019	0.93 (J)	0.83 (J)		0.83 (J)	
9/11/2019			1.2		0.76 (J)
3/31/2020	1.4				
4/1/2020		0.67 (J)	0.49 (J)	0.73 (J)	0.95 (J)
9/15/2020	0.38 (J)	1.1	0.44 (J)	0.44 (J)	<1
3/16/2021	<1	<1		<1	<1
3/17/2021			<1		
8/17/2021		<1		<1	<1
8/18/2021	<1				
8/19/2021			0.8 (J)		
2/22/2022	<1	<1	<1	<1	<1
8/2/2022	<1	<1	<1	<1	<1
2/6/2023	<1				
2/7/2023		<1	<1	<1	<1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
4/19/2016	1.03				
4/20/2016		7.31	0.367 (J)	1.79	
4/21/2016					1.93
6/14/2016	0.88 (J)	8.6	0.48 (J)		
6/15/2016				2	
6/16/2016					2.3
8/9/2016	<1		<1		
8/10/2016				0.96 (J)	2.9
8/11/2016		3.7			
9/27/2016	0.9 (J)	4.6	<1	0.75 (J)	3.2
11/14/2016	<1	7.4			
11/15/2016			<1	0.97 (J)	3.5
1/10/2017	1.2	4.7			
1/11/2017			<1		
1/12/2017				1.7	4.2
2/28/2017	1.1	4.1	<1		
3/1/2017				2	3.5
4/19/2017	<1				
4/20/2017		5.9	<1	1.3	
4/24/2017					3.5
10/10/2017		7.3			
10/11/2017	<1		<1	1.3	
10/12/2017					2.7
1/10/2018	1.1	7.6	<1		
1/11/2018				1.6	2.6
7/11/2018	<1	14	<1		
7/12/2018				1.1	5
1/29/2019	<1	8.7	<1		
1/30/2019				2.1	5
3/26/2019		11	0.68		
3/27/2019	0.7			1.6	4.3
9/10/2019		9.8	0.77 (J)		
9/11/2019	1			1.3	5.2
3/31/2020		6.2	0.76 (J)		
4/1/2020	1.1			2	2.2
9/15/2020	0.47 (J)		<1	1.6	3.6
9/16/2020		4.1			
3/16/2021	<1			1.6	2.4
3/17/2021		3.5	<1		
8/17/2021	<1				
8/18/2021				1.2	3
8/19/2021		5.4	<1		
2/22/2022	<1		<1		
2/23/2022		2.7		1.6	3.4
8/2/2022	0.4 (J)		<1		
8/3/2022		2		0.45 (J)	1.6
2/7/2023	<1	1.7	<1	0.64 (J)	
2/8/2023					1.8

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
4/19/2016				4.84	2.21
4/20/2016	4.37	0.601 (J)	2.93		
6/15/2016	5.7	0.8 (J)	1.8		
6/16/2016				9 (O)	2.5
8/9/2016			1.6		
8/10/2016	4.5	<1			2.7
8/11/2016				5	
9/27/2016	4.4	<1	1.5		
9/28/2016				5.1	2.5
11/15/2016	4.4	<1	1.3		2.2
11/16/2016				4.9	
1/11/2017			1.1	5.2	
1/12/2017	4.6	<1			
1/16/2017					2.1
3/1/2017	4.5	<1	1.3	4.6	1.9
4/20/2017		<1	0.77 (J)		
4/24/2017	4				
4/25/2017				4.6	1.6
10/11/2017	4.5		<1		
10/12/2017		<1		4	1.7
12/13/2017				4	
1/11/2018	3.5	<1	<1		
1/12/2018				4.5	1.5
7/11/2018			<1	5	1.4
7/12/2018	5.9	<1			
1/29/2019			<1		1.4
1/30/2019	4.3	0.65 (J)		5.8	
3/27/2019	5.4	0.67	<1	4.8	1.6
9/11/2019	3.8	1	0.85 (J)	4.5	1.8
4/1/2020		0.91 (J)	<1	4.1	2.1
4/2/2020	3.4				
9/15/2020	5		<1	2.7	
9/16/2020		0.53 (J)			1.6
3/16/2021		<1	<1		1.9
3/17/2021	5.6			3.5	
8/18/2021	4.1	<1			
8/19/2021			<1	3.5	2.5
2/22/2022			<1		
2/23/2022	2.9	1.1		4.5	3.1
8/2/2022	2.7		<1	1.8	
8/3/2022		<1			1.7
2/7/2023		<1		2	
2/8/2023	1.9		<1		2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
4/19/2016				3.84
4/21/2016	5.25	1.99		
6/15/2016				3.8
6/16/2016	3.9	1.6	9.2 (o)	
8/10/2016	2.8	1.1	3.1	1.6
9/27/2016	2.6	1.1		0.91 (J)
9/28/2016			3.1	
11/15/2016	1.9	1		<1
11/16/2016			3.2	
1/12/2017		1.2		
1/13/2017	1.8			<1
1/17/2017			2.6	
3/1/2017	1.7	1.2		1.5
3/2/2017			3.3	
4/24/2017		0.95 (J)		1.2
4/25/2017	1.3		2.4	
7/13/2017			2.1	
10/12/2017	1.1	0.72 (J)	2.1	2.3
1/11/2018		<1		
1/12/2018	0.86 (J)		1.9	<1
7/11/2018	0.9 (J)	<1		
7/12/2018			2	<1
1/29/2019	1.3			
1/30/2019		0.72 (J)	2.4	0.58 (J)
3/27/2019	1.7	0.92	2.8	1.2
9/11/2019	0.97 (J)	0.94 (J)	2.5	0.92 (J)
4/1/2020	1.6	0.81 (J)	2	4.1
9/15/2020	0.67 (J)	0.56 (J)	1.9	
9/16/2020				<1
3/16/2021	0.98 (J)			
3/17/2021		<1	1.8	<1
8/19/2021	1.3	0.79 (J)	1.9	<1
2/22/2022	1.4			
2/23/2022		1	2.4	<1
8/3/2022	<1			<1
8/4/2022		<1	1.8	
2/8/2023	<1	<1	1.7	<1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	<0.001	<0.001	<0.001	<0.001	
12/14/2015				<0.001	
12/15/2015	<0.001	<0.001	<0.001		
12/28/2015			<0.001	<0.001	
12/29/2015	0.0001 (J)	<0.001			
1/13/2016	6E-05 (J)	7.9E-05 (J)	<0.001	<0.001	
1/16/2016					<0.001
1/25/2016	<0.001	<0.001	<0.001	<0.001	
4/19/2016					<0.001
4/20/2016	<0.001	<0.001		<0.001	
4/21/2016			<0.001		
6/14/2016	<0.001	<0.001			<0.001
6/15/2016			<0.001	<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	
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/10/2017					<0.001
1/11/2017		<0.001	<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
4/20/2017	<0.001	<0.001	<0.001	<0.001	
7/17/2017					<0.001
7/18/2017	<0.001				
7/19/2017		<0.001	<0.001	<0.001	
1/10/2018	<0.001				<0.001
1/11/2018		<0.001	<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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	<0.001	
3/27/2019					<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	<0.001	0.00017 (J)
9/15/2020	<0.001	<0.001	<0.001	<0.001	0.00029 (J)
3/16/2021	<0.001	<0.001		<0.001	<0.001
3/17/2021			<0.001		
8/17/2021		0.0006 (J)		0.00025 (J)	0.00062 (J)
8/18/2021	0.00016 (J)				
8/19/2021			<0.001		
2/22/2022	<0.001	<0.001	<0.001	<0.001	<0.001
8/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001
2/6/2023	<0.001				
2/7/2023		<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2004	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2004	<0.001	<0.001	<0.001	<0.001	<0.001
10/13/2004	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2005	<0.001	<0.001	<0.001	<0.001	<0.001
12/7/2005	<0.001	<0.001	<0.001	<0.001	<0.001
6/22/2006	<0.001	<0.001	<0.001	<0.001	<0.001
11/28/2006	<0.001	<0.001	<0.001	<0.001	<0.001
7/6/2007	<0.001	<0.001	<0.001	<0.001	<0.001
12/13/2007	<0.001	<0.001	<0.001	<0.001	<0.001
6/20/2008	<0.001	<0.001	<0.001	<0.001	<0.001
12/7/2008	<0.001	<0.001	<0.001	<0.001	<0.001
7/9/2009	<0.001	<0.001	<0.001	<0.001	
7/10/2009					<0.001
12/28/2009	<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	<0.001	<0.001
1/4/2011	<0.001	<0.001	<0.001	<0.001	<0.001
7/9/2011	<0.001	<0.001	<0.001	<0.001	<0.001
1/20/2012	<0.001				
1/21/2012		<0.001	<0.001	<0.001	<0.001
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001
1/19/2013	<0.001		<0.001		
1/20/2013		<0.001		<0.001	<0.001
7/18/2013	<0.001		<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			<0.001
6/19/2015	<0.001		<0.001		
6/20/2015		<0.001		<0.001	<0.001
1/14/2016		<0.001	<0.001		
1/16/2016	<0.001			<0.001	<0.001
4/19/2016	<0.001				
4/20/2016		<0.001	<0.001	<0.001	
4/21/2016					<0.001
6/14/2016	<0.001	3.6E-05 (J)	<0.001		
6/15/2016				<0.001	
6/16/2016					<0.001
8/9/2016	<0.001		<0.001		
8/10/2016				<0.001	<0.001
8/11/2016		<0.001			
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/14/2016	<0.001	<0.001			
11/15/2016			<0.001	<0.001	<0.001
1/10/2017	<0.001	<0.001			
1/11/2017			<0.001		
1/12/2017				<0.001	<0.001
1/19/2017			<0.001		
1/23/2017				<0.001	
1/24/2017			0.00072		
2/28/2017	<0.001	<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
3/1/2017				<0.001	<0.001
4/19/2017	<0.001				
4/20/2017		<0.001	<0.001	<0.001	
4/24/2017					<0.001
7/18/2017	<0.001	<0.001	<0.001		
7/19/2017				<0.001	
7/24/2017					<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		
7/12/2018				<0.001	<0.001
1/29/2019	<0.001	<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	<0.001
9/10/2019		0.00033 (J)	<0.001		
9/11/2019	<0.001			<0.001	0.0002 (J)
3/31/2020		<0.001	<0.001		
4/1/2020	<0.001			<0.001	0.00031 (J)
9/15/2020	0.00017 (J)		<0.001	<0.001	<0.001
9/16/2020		<0.001			
3/16/2021	<0.001			<0.001	0.00037 (J)
3/17/2021		<0.001	<0.001		
8/17/2021	0.00015 (J)				
8/18/2021				<0.001	<0.001
8/19/2021		<0.001	<0.001		
2/22/2022	<0.001		<0.001		
2/23/2022		<0.001		<0.001	<0.001
8/2/2022	<0.001		<0.001		
8/3/2022		<0.001		<0.001	<0.001
2/7/2023	<0.001	<0.001	<0.001	<0.001	
2/8/2023					<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
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			
7/10/2009	<0.001	<0.001			
12/28/2009		<0.001			
12/29/2009	<0.001				
6/22/2010	<0.001	<0.001			
1/4/2011		<0.001			
1/5/2011	<0.001				
7/9/2011	<0.001	<0.001			
1/20/2012		<0.001			
1/21/2012	<0.001				
7/11/2012	<0.001	<0.001			
1/19/2013	<0.001	<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				
12/8/2015			0.0001 (J)	0.0001 (J)	<0.001
12/14/2015			9E-05 (J)	0.0001 (J)	
12/15/2015					<0.001
12/28/2015			9E-05 (J)	0.0001 (J)	<0.001
1/13/2016			0.0001 (J)		
1/14/2016	6.1E-05 (J)			0.000137 (J)	7.9E-05 (J)
1/16/2016		<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	<0.001	<0.001		
6/15/2016	<0.001	<0.001	3.8E-05 (J)		
6/16/2016				0.00013 (J)	<0.001
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	<0.001		
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	<0.001			
1/16/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	0.00011 (J)	<0.001
4/20/2017		<0.001	<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
4/24/2017	<0.001				
4/25/2017				0.00012 (J)	<0.001
7/19/2017			<0.001		
7/20/2017		<0.001			
7/24/2017	<0.001				
7/25/2017				0.00011 (J)	<0.001
1/11/2018	<0.001	<0.001	<0.001		
1/12/2018				0.00011 (J)	<0.001
7/11/2018			<0.001	9.5E-05 (J)	<0.001
7/12/2018	<0.001	<0.001			
1/29/2019			<0.001		<0.001
1/30/2019	<0.001	<0.001		0.00012 (J)	
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00017 (J)	<0.001	0.00018 (J)	0.00019 (J)
4/1/2020		<0.001	<0.001	<0.001	<0.001
4/2/2020	0.00028 (J)				
9/15/2020	<0.001		<0.001	<0.001	
9/16/2020		<0.001			0.00026 (J)
3/16/2021		0.00022 (J)	<0.001		<0.001
3/17/2021	0.00047 (J)			0.00016 (J)	
8/18/2021	<0.001	<0.001			
8/19/2021			<0.001	<0.001	<0.001
2/22/2022			<0.001		
2/23/2022	<0.001	<0.001		<0.001	<0.001
8/2/2022	<0.001		<0.001	<0.001	
8/3/2022		<0.001			<0.001
2/7/2023		<0.001		<0.001	
2/8/2023	<0.001		<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	0.0001 (J)	<0.001		
12/14/2015	9E-05 (J)	<0.001		
12/29/2015	0.0001 (J)	<0.001		
1/14/2016	0.000118 (J)	<0.001		<0.001
1/25/2016	0.000102 (J)	<0.001		
4/19/2016				<0.001
4/21/2016	<0.001	<0.001		
6/15/2016				<0.001
6/16/2016	5.2E-05 (J)	2.7E-05 (J)	<0.001	
8/10/2016	<0.001	<0.001	<0.001	<0.001
9/27/2016	<0.001	0.00016 (J)		<0.001
9/28/2016			<0.001	
11/15/2016	<0.001	<0.001		<0.001
11/16/2016			<0.001	
1/12/2017		<0.001		
1/13/2017	<0.001			<0.001
1/17/2017			<0.001	
3/1/2017	<0.001	<0.001		<0.001
3/2/2017			<0.001	
4/24/2017		<0.001		<0.001
4/25/2017	<0.001		<0.001	
7/13/2017			<0.001	
7/24/2017				<0.001
7/25/2017	<0.001	<0.001	9E-05 (J)	
1/11/2018		<0.001		
1/12/2018	<0.001		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			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
1/30/2019		<0.001	0.00016 (J)	<0.001
3/27/2019	<0.001	<0.001	0.00011	<0.001
9/11/2019	0.00034 (J)	0.00041 (J)	0.00034 (J)	0.00023 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	
9/16/2020				<0.001
3/16/2021	<0.001			
3/17/2021		<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
8/3/2022	<0.001			<0.001
8/4/2022		<0.001	<0.001	
2/8/2023	<0.001	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
4/19/2016					<25
4/20/2016	<10	<10		<10	
4/21/2016			<25		
6/14/2016	47	65			55
6/15/2016			58	67	
8/9/2016	10	24	6	4 (J)	6
9/26/2016					24
9/27/2016	16	14	16	18	
11/15/2016	4 (J)	18	18	26	38
1/10/2017					18
1/11/2017		6	8	<10	
1/12/2017	26				
2/28/2017	6	14	4 (J)		12
3/1/2017				6	
4/19/2017					14
4/20/2017	<10	<10	10	<10	
10/10/2017					10
10/11/2017	32	22	26	24	
1/10/2018	10				6
1/11/2018		36	56	6	
7/11/2018	28 (J)	20 (J)	<5 (J)	24 (J)	16 (J)
1/29/2019	24	22	23	26	36
3/26/2019	<10	17	17	27	
3/27/2019					36
9/10/2019	21	16		13	
9/11/2019			15		28
3/31/2020	17				
4/1/2020		<10	21	15	32
9/15/2020	17	17	13	14	22
3/16/2021	23	17		20	24
3/17/2021			29		
8/17/2021		19		19	48
8/18/2021	21				
8/19/2021			21		
2/22/2022	17	16	22	17	27
8/2/2022	<10	13	11	<10	12
2/6/2023	19				
2/7/2023		23	23	24	32

ND substitution: RL or RL/2 if <15% NDs. Substitution method for trace values of the form <PQL(J): PQL.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
4/19/2016	<10				
4/20/2016		<5	<5	<25	
4/21/2016					49
6/14/2016	46	67	62		
6/15/2016				52	
6/16/2016					109
8/9/2016	18		6		
8/10/2016				10	58
8/11/2016		<5			
9/27/2016	30	28	10	30	100
11/14/2016	26	48			
11/15/2016			32	32	94
1/10/2017	18	22			
1/11/2017			12		
1/12/2017				52	110
2/28/2017	22	32	<5		
3/1/2017				44	110
4/19/2017	14				
4/20/2017		20	34	20	
4/24/2017					32
10/10/2017		24			
10/11/2017	30		40	54	
10/12/2017					74
12/12/2017					150
1/10/2018	28	42	48		
1/11/2018				100	150
7/11/2018	12 (J)	<5 (J)	22 (J)		
7/12/2018				24 (J)	140 (J)
1/29/2019	27	26	34		
1/30/2019				55 (J)	160 (J)
3/26/2019		39	21		
3/27/2019	35			26	130
9/10/2019		36	13		
9/11/2019	15			49	130
3/31/2020		27	28		
4/1/2020	20			39	130
9/15/2020	<10		23	25	140
9/16/2020		21			
3/16/2021	25			29	130
3/17/2021		36	31		
8/17/2021	21				
8/18/2021				33	140
8/19/2021		26	20		
2/22/2022	16		21		
2/23/2022		21		31	130
8/2/2022	11		11		
8/3/2022		20		33	130
2/7/2023	25	21	24	34	
2/8/2023					130

ND substitution: RL or RL/2 if <15% NDs. Substitution method for trace values of the form <PQL(J): PQL.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
4/19/2016				106	34
4/20/2016	32	41	29		
6/15/2016	81	27	85		
6/16/2016				150	34
8/9/2016			<5		
8/10/2016	64	6			32
8/11/2016				78	
9/27/2016	60	16	6		
9/28/2016				43	13
11/15/2016	72	22	24		64
11/16/2016				140	
1/11/2017			20	64	
1/12/2017	84	44			
1/16/2017					12
3/1/2017	64	8	38	88	72
4/20/2017		<5	6		
4/24/2017	46				
4/25/2017				92	62
10/11/2017	88		48		
10/12/2017		12		54	38
12/13/2017	68				
1/11/2018	10	34	18		
1/12/2018				110	81
7/11/2018			22 (J)	16 (J)	38 (J)
7/12/2018	94 (J)	26 (J)			
1/29/2019			37		62
1/30/2019	89 (J)	22 (J)		100 (J)	
3/27/2019	79	24	38	79	61
9/11/2019	39	28	31	45	49
4/1/2020		20	27	73	52
4/2/2020	63				
9/15/2020	82		26	64	
9/16/2020		17			60
3/16/2021		19	25		65
3/17/2021	81			59	
8/18/2021	97	20			
8/19/2021			32	71	57
2/22/2022			27		
2/23/2022	70	16		54	41
8/2/2022	35		15	39	
8/3/2022		25			50
2/7/2023		27		90	
2/8/2023	71		35		54

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
4/19/2016				49
4/21/2016	28	<5		
6/15/2016				84
6/16/2016	42	30	78	
8/10/2016	6	<5	88	44
9/27/2016	20	14		30
9/28/2016			35	
11/15/2016	82	58		32
11/16/2016			98	
1/12/2017		38		
1/13/2017	36			54
1/17/2017			36	
3/1/2017	40	32		34
3/2/2017			38	
4/24/2017		16		<10
4/25/2017	14		28	
7/13/2017			20	
10/12/2017	22	12	24	20
1/11/2018		20		
1/12/2018	56		43	48
7/11/2018	32 (J)	52 (J)		
7/12/2018			40	42 (J)
1/29/2019	27			
1/30/2019		43 (J)	38 (J)	42 (J)
3/27/2019	57	33	42	34
9/11/2019	45	23	24	43
4/1/2020	26	21	25	36
9/15/2020	34	24	27	
9/16/2020				<10
3/16/2021	37			
3/17/2021		24	24	40
8/19/2021	40	32	32	37
2/22/2022	33			
2/23/2022		26	23	30
8/3/2022	35			42
8/4/2022		26	33	
2/8/2023	31	32	31	44

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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					0.0051
1/20/2013					<0.002
7/19/2013					<0.002
1/15/2014					<0.002
7/11/2014					<0.002
1/16/2015					<0.002
6/20/2015					<0.002
12/7/2015	<0.002	<0.002	<0.002	<0.002	
12/14/2015				<0.002	
12/15/2015	<0.002	<0.002	<0.002		
12/28/2015			<0.002	<0.002	
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002	<0.002	
1/16/2016					<0.002
1/25/2016	<0.002	<0.002	<0.002	<0.002	
6/14/2016	0.00055 (J)	0.00033 (J)			0.00044 (J)
6/15/2016			0.0003 (J)	0.00015 (J)	
1/10/2017					0.0014 (J)
1/11/2017		<0.002	0.0017 (J)	0.0015 (J)	
1/12/2017	0.0018 (J)				
7/17/2017					<0.002
7/18/2017	<0.002				
7/19/2017		<0.002	<0.002	<0.002	
1/10/2018	<0.002				<0.002
1/11/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	0.0018 (J)	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	0.0041	0.0019	
3/27/2019					0.0019
9/10/2019	0.0027	0.002		0.0019	
9/11/2019			0.0016		0.0014
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	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
3/16/2021	<0.002	<0.002		<0.002	<0.002
3/17/2021			<0.002		
8/17/2021		<0.002		<0.002	<0.002
8/18/2021	<0.002				
8/19/2021			<0.002		
2/22/2022	<0.002	<0.002	<0.002	<0.002	0.001
8/2/2022	<0.002	<0.002	<0.002	<0.002	<0.002
2/6/2023	<0.002				
2/7/2023		<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.002	<0.002	<0.002	<0.002	<0.001
9/11/2004	<0.002	<0.002	<0.002	<0.002	<0.001
9/26/2004	<0.002	<0.002	<0.002	<0.002	<0.001
10/13/2004	<0.002	<0.002	<0.002		<0.001
7/11/2005	<0.002	<0.002	<0.002	<0.002	<0.001
12/7/2005	<0.002	<0.002	<0.002	<0.002	<0.001
6/22/2006	<0.002	<0.002	<0.002	<0.002	<0.001
11/28/2006	<0.002	<0.002	<0.002	<0.002	<0.001
7/6/2007	0.0031	<0.002	<0.002	<0.002	<0.001
12/13/2007	<0.002	<0.002	<0.002	<0.002	<0.001
6/20/2008	0.005	0.0033	<0.002	<0.002	<0.001
12/7/2008	<0.002	<0.002	<0.002	<0.002	<0.001
7/9/2009	<0.002	<0.002	<0.002	<0.002	
7/10/2009					<0.001
12/28/2009	<0.002			<0.002	
12/29/2009			<0.002		<0.001
12/30/2009		<0.002			
6/22/2010	<0.002	<0.002	<0.002	<0.002	<0.001
1/4/2011		<0.002	<0.002	<0.002	<0.001
1/5/2011	0.056 (O)				
7/9/2011	0.0033		<0.002	0.0032	
7/10/2011		<0.002			<0.001
1/20/2012	<0.002				
1/21/2012		<0.002	<0.002	<0.002	<0.001
7/11/2012	<0.002	<0.002	<0.002	<0.002	<0.001
1/19/2013	<0.002		<0.002		
1/20/2013		<0.002		<0.002	<0.001
7/18/2013	<0.002		<0.002		
7/19/2013		<0.002		<0.002	<0.001
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			<0.001
7/10/2014		<0.002	<0.002		<0.001
7/11/2014	<0.002			<0.002	
1/15/2015	<0.002		<0.002		
1/16/2015		<0.002		<0.002	0.00098 (J)
6/19/2015	<0.002		0.0035 (J)		
6/20/2015		<0.002		0.0017 (J)	0.0019 (J)
1/14/2016		<0.002	<0.002		
1/16/2016	<0.002			<0.002	0.0008 (J)
6/14/2016	0.00027 (J)	0.00028 (J)	0.00047 (J)		
6/15/2016				0.00031 (J)	
6/16/2016					0.0011 (J)
1/10/2017	0.0015 (J)	0.0014 (J)			
1/11/2017			0.0016 (J)		
1/12/2017				0.0031	0.0087 (o)
7/18/2017	<0.002	<0.002	<0.002		
7/19/2017				<0.002	
7/24/2017					0.0027
1/10/2018	<0.002	<0.002	<0.002		
1/11/2018				<0.002	<0.001
7/11/2018	<0.002	<0.002	<0.002		
7/12/2018				<0.002	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/29/2019	<0.002	<0.002	<0.002		
1/30/2019				<0.002	0.0027 (J)
3/26/2019		0.0027	0.0015		
3/27/2019	0.0047			<0.002	0.0065 (o)
9/10/2019		0.0018	0.0018		
9/11/2019	0.0012			0.0013	0.0022
3/31/2020		<0.002	<0.002		
4/1/2020	<0.002			<0.002	0.0012
9/15/2020	<0.002		<0.002	<0.002	<0.001
9/16/2020		<0.002			
3/16/2021	<0.002			<0.002	0.0013
3/17/2021		<0.002	<0.002		
8/17/2021	<0.002				
8/18/2021				0.0011	0.0015
8/19/2021		<0.002	<0.002		
2/22/2022	<0.002		<0.002		
2/23/2022		<0.002		<0.002	0.0011
8/2/2022	<0.002		<0.002		
8/3/2022		0.00097 (J)		<0.002	0.002
2/7/2023	<0.002	<0.002	<0.002	<0.002	
2/8/2023					0.001 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	<0.0025	<0.002			
9/11/2004	<0.0025	<0.002			
9/26/2004	<0.0025	<0.002			
10/13/2004	<0.0025	<0.002			
7/11/2005	<0.0025	<0.002			
12/7/2005	<0.0025	<0.002			
6/22/2006	<0.0025	<0.002			
11/28/2006	<0.0025	<0.002			
7/6/2007	<0.0025	<0.002			
12/13/2007	<0.0025	<0.002			
6/20/2008	0.0093 (o)	<0.002			
12/7/2008	<0.0025	<0.002			
7/10/2009	<0.0025	<0.002			
12/28/2009		<0.002			
12/29/2009	<0.0025				
6/22/2010	0.0025	<0.002			
1/4/2011		<0.002			
1/5/2011	<0.0025				
7/9/2011	<0.0025	<0.002			
1/20/2012		<0.002			
1/21/2012	<0.0025				
7/11/2012	<0.0025	<0.002			
1/19/2013	<0.0025	<0.002			
7/18/2013		<0.002			
7/19/2013	<0.0025				
1/15/2014	<0.0025	<0.002			
7/11/2014	0.001 (J)	<0.002			
1/15/2015		<0.002			
1/16/2015	0.00089 (J)				
6/19/2015		<0.002			
6/20/2015	0.0017 (J)				
12/8/2015			<0.002	0.0023 (J)	0.0023 (J)
12/14/2015			<0.002	0.0028 (J)	
12/15/2015					0.0016 (J)
12/28/2015			<0.002	0.0024 (J)	0.0013 (J)
1/13/2016			<0.002		
1/14/2016	0.0017 (J)			0.0022 (J)	0.0014 (J)
1/16/2016		<0.002			
1/26/2016			<0.002	0.0022 (J)	0.0013 (J)
6/15/2016	0.0018 (J)	0.0004 (J)	0.00047 (J)		
6/16/2016				0.0041 (J)	0.00092 (J)
1/11/2017			<0.002	0.003	
1/12/2017	0.01 (o)	0.0075 (o)			
1/16/2017					0.0067
7/19/2017			<0.002		
7/20/2017		0.0015 (J)			
7/24/2017	0.0015 (J)				
7/25/2017				0.0055	0.0035
1/11/2018	<0.0025	<0.002	<0.002		
1/12/2018				0.0022 (J)	<0.001
7/11/2018			<0.002	0.0016 (J)	<0.001
7/12/2018	<0.0025	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/29/2019			<0.002		<0.001
1/30/2019	<0.0025	<0.002		0.0042 (J)	
3/27/2019	0.0016	0.0078 (o)	0.004	0.0074	<0.001
9/11/2019	0.0025	0.0011	0.0018	0.0037	0.0023
4/1/2020		<0.002	<0.002	0.0024	<0.001
4/2/2020	0.0016				
9/15/2020	0.001		<0.002	0.0022	
9/16/2020		<0.002			<0.001
3/16/2021		<0.002	<0.002		<0.001
3/17/2021	0.0015			0.0026	
8/18/2021	0.0018	<0.002			
8/19/2021			0.0013	0.003	0.0015
2/22/2022			<0.002		
2/23/2022	0.0013	<0.002		0.0025	0.00088 (J)
8/2/2022	0.0014		<0.002	0.0028	
8/3/2022		0.0016			0.0022
2/7/2023		<0.002		0.0038	
2/8/2023	0.00095 (J)		<0.002		0.00088 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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				<0.002
12/13/2007				<0.002
6/20/2008				0.0037
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
12/9/2015	<0.002	<0.002		
12/14/2015	<0.002	<0.002		
12/29/2015	<0.002	<0.002		
1/14/2016	<0.002	<0.002		<0.002
1/25/2016	<0.002	<0.002		
6/15/2016				0.00019 (J)
6/16/2016	0.00054 (J)	0.00048 (J)	0.00063 (J)	
1/12/2017		0.0058		
1/13/2017	0.0074			0.0091 (o)
1/17/2017			0.0026	
7/24/2017				0.0027
7/25/2017	0.0034	0.0029	0.003	
1/11/2018		<0.002		
1/12/2018	<0.002		<0.002	<0.002
7/11/2018	<0.002	<0.002		
7/12/2018			<0.002	<0.002
1/29/2019	<0.002			
1/30/2019		<0.002	<0.002	<0.002
3/27/2019	0.0031	0.0049	0.0055	0.006
9/11/2019	0.0018	0.0015	0.0015	0.0015
4/1/2020	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	
9/16/2020				<0.002
3/16/2021	<0.002			
3/17/2021		<0.002	<0.002	<0.002
8/19/2021	<0.002	0.001	0.0011	<0.002
2/22/2022	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
2/23/2022		<0.002	<0.002	<0.002
8/3/2022	0.0017			0.0016
8/4/2022		0.0019	0.00095 (J)	
2/8/2023	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
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
12/7/2015	0.0034	0.0044	0.0052	0.0048	
12/14/2015				0.0038	
12/15/2015	0.003	0.0031	0.0046		
12/28/2015			0.0042	0.0042	
12/29/2015	0.0028	0.0028			
1/13/2016	0.0025	0.0028	0.0038	0.0036	
1/16/2016					0.0042
1/25/2016	0.0022 (J)	0.0034	0.0036	0.0033	
6/14/2016	0.0042 (J)	0.0036 (J)			0.0043 (J)
6/15/2016			0.0028 (J)	0.0032 (J)	
1/10/2017					0.0084 (J)
1/11/2017		0.013 (J)	0.014 (J)	<0.005	
1/12/2017	<0.005				
7/17/2017					<0.02
7/18/2017	<0.005				
7/19/2017		<0.005	<0.005	<0.005	
1/10/2018	<0.005				<0.02
1/11/2018		<0.005	<0.005	<0.005	
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.02
1/29/2019	<0.005	0.0048 (J)	0.0059 (J)	0.0024 (J)	0.0064 (J)
3/26/2019	<0.005	<0.005	<0.005	<0.005	
3/27/2019					<0.02
9/10/2019	0.0061	0.0069		0.006	
9/11/2019			0.0062		0.0089
3/31/2020	<0.005				
4/1/2020		<0.005	<0.005	<0.005	0.0066
9/15/2020	0.0037 (J)	0.024	0.0033 (J)	0.0033 (J)	0.0049 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-15 (bg)	GWA-16 (bg)	GWA-2 (bg)
3/16/2021	<0.005	0.007		0.005	0.0045 (J)
3/17/2021			0.0063		
8/17/2021		<0.005		<0.005	0.004 (J)
8/18/2021	<0.005				
8/19/2021			<0.005		
2/22/2022	<0.005	0.0054	0.0057	0.0076	0.0055
8/2/2022	<0.005	0.0042 (J)	0.0039 (J)	0.0032 (J)	0.0074
2/6/2023	<0.005				
2/7/2023		0.0031 (J)	<0.005	0.0063	0.0051

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
8/25/2004	<0.005	<0.005	0.017	0.012	<0.005
9/11/2004	<0.005	<0.005	<0.005	<0.005	0.01
9/26/2004	<0.005	<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	<0.005
12/7/2005	<0.005	0.06 (O)	<0.005	0.015	<0.005
6/22/2006	0.0042	0.0061	0.0033	0.0044	0.0034
11/28/2006	0.0048	0.0064	0.0034	0.0034	0.019
7/6/2007	0.045	0.011	0.0037	0.0029	<0.005
12/13/2007	0.005	0.0061	<0.005	<0.005	<0.005
6/20/2008	0.012	0.009	0.0042	0.0035	0.0039
12/7/2008	0.042	0.0071	0.0049	0.0036	<0.005
7/9/2009	0.0038	0.0059	0.0032	0.0032	
7/10/2009					<0.005
12/28/2009	<0.005			0.0032	
12/29/2009			0.0031		<0.005
12/30/2009		0.0038			
6/22/2010	<0.005	0.0044	<0.005	0.0032	<0.005
1/4/2011		0.0038	0.0029	<0.005	<0.005
1/5/2011	0.057 (O)				
7/9/2011	0.0085		0.0038	0.0076	
7/10/2011		0.005			0.0026
1/20/2012	0.0057				
1/21/2012		0.0074	0.0057	0.0034	<0.005
7/11/2012	<0.005	0.0047	0.0032	0.0028	<0.005
1/19/2013	<0.005		0.0032		
1/20/2013		<0.005		0.0032	<0.005
7/18/2013	0.0028		0.0027		
7/19/2013		0.0032		0.0028	<0.005
1/15/2014	0.0047		0.0059	0.0047	
1/16/2014		0.019			0.0031
7/10/2014		0.0038	0.0064		0.0012 (J)
7/11/2014	0.0025			0.0041	
1/15/2015	0.002 (J)		0.0024 (J)		
1/16/2015		0.0045		0.0035	0.0017 (J)
6/19/2015	0.0019 (J)		0.0057		
6/20/2015		0.0023 (J)		0.0043	0.0036
1/14/2016		0.0024 (J)	0.0022 (J)		
1/16/2016	0.0033			0.002 (J)	<0.005
6/14/2016	0.0028 (J)	0.0053 (J)	0.0028 (J)		
6/15/2016				0.0027 (J)	
6/16/2016					<0.005
1/10/2017	0.0079 (J)	<0.005			
1/11/2017			0.013 (J)		
1/12/2017				<0.005	<0.005
7/18/2017	<0.005	<0.005	<0.005		
7/19/2017				<0.005	
7/24/2017					<0.005
1/10/2018	<0.005	<0.005	<0.005		
1/11/2018				<0.005	<0.005
7/11/2018	<0.005	0.0098 (J)	<0.005		
7/12/2018				<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-3 (bg)	GWA-4A (bg)	GWA-5 (bg)	GWC-1	GWC-10
1/29/2019	<0.005	0.0064 (J)	0.0027 (J)		
1/30/2019				0.0031 (J)	<0.005
3/26/2019		0.01	<0.005		
3/27/2019	<0.005			<0.005	<0.005
9/10/2019		0.012	0.022		
9/11/2019	0.012			0.0088	0.0058
3/31/2020		0.013	<0.005		
4/1/2020	<0.005			0.0046 (J)	<0.005
9/15/2020	<0.005		0.0049 (J)	0.0049 (J)	0.0043 (J)
9/16/2020		0.011			
3/16/2021	0.0035 (J)			0.0047 (J)	<0.005
3/17/2021		0.0039 (J)	0.0041 (J)		
8/17/2021	<0.005				
8/18/2021				0.0035 (J)	<0.005
8/19/2021		0.004 (J)	<0.005		
2/22/2022	<0.005		<0.005		
2/23/2022		<0.005		<0.005	<0.005
8/2/2022	0.033		0.0051		
8/3/2022		0.012		0.0073	0.0046 (J)
2/7/2023	0.0032 (J)	0.0031 (J)	0.0037 (J)	0.0055	
2/8/2023					<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
8/25/2004	<0.005	<0.005			
9/11/2004	<0.005	0.01			
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	0.0025	0.0038			
11/28/2006	0.0026	0.007			
7/6/2007	0.0025	0.0025			
12/13/2007	<0.005	0.0032			
6/20/2008	0.0089	0.0044			
12/7/2008	0.041 (O)	0.0042			
7/10/2009	<0.005	0.0025			
12/28/2009		0.0027			
12/29/2009	<0.005				
6/22/2010	<0.005	<0.005			
1/4/2011		0.0033			
1/5/2011	<0.005				
7/9/2011	<0.005	0.0043			
1/20/2012		0.0038			
1/21/2012	0.005				
7/11/2012	0.0025	0.0035			
1/19/2013	<0.005	0.0028			
7/18/2013		0.0028			
7/19/2013	<0.005				
1/15/2014	0.0034	0.0053			
7/11/2014	0.0019 (J)	0.0034			
1/15/2015		0.003			
1/16/2015	<0.005				
6/19/2015		0.0035			
6/20/2015	<0.005				
12/8/2015			0.0058	0.0017 (J)	0.0035
12/14/2015			0.006	0.0028	
12/15/2015					0.0028
12/28/2015			0.0058	0.0024 (J)	0.0023 (J)
1/13/2016			0.0056		
1/14/2016	0.0022 (J)			0.0036	0.012
1/16/2016		0.0023 (J)			
1/26/2016			0.0046	0.0036	0.0034
6/15/2016	0.0028 (J)	0.0031 (J)	0.0053 (J)		
6/16/2016				0.0052 (J)	0.0026 (J)
1/11/2017			0.018 (J)	0.025	
1/12/2017	<0.005	<0.005			
1/16/2017					<0.005
7/19/2017			<0.02		
7/20/2017		<0.005			
7/24/2017	<0.005				
7/25/2017				<0.005	<0.005
1/11/2018	<0.005	<0.005	<0.02		
1/12/2018				<0.005	<0.005
7/11/2018			<0.02	<0.005	<0.005
7/12/2018	<0.005	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWC-18 (bg)	GWC-19
1/29/2019			0.0059 (J)		0.0051 (J)
1/30/2019	<0.005	<0.005		0.5 (o)	
3/27/2019	<0.005	<0.005	<0.02	<0.005	<0.005
9/11/2019	0.005	0.0066	0.013	0.0058	0.0046 (J)
4/1/2020		<0.005	0.005	<0.005	<0.005
4/2/2020	0.0049 (J)				
9/15/2020	<0.005		0.0052	0.0032 (J)	
9/16/2020		0.0033 (J)			0.004 (J)
3/16/2021		<0.005	0.006		<0.005
3/17/2021	0.0032 (J)			0.0032 (J)	
8/18/2021	<0.005	0.0081			
8/19/2021			0.013	0.015	0.017
2/22/2022			0.0046 (J)		
2/23/2022	<0.005	<0.005		<0.005	<0.005
8/2/2022	0.0052		0.0074	0.0058	
8/3/2022		0.0071			0.0057
2/7/2023		<0.005		0.0032 (J)	
2/8/2023	<0.005		0.0061		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	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
12/9/2015	0.0035	0.0016 (J)		
12/14/2015	0.0056	0.0015 (J)		
12/29/2015	0.0084	<0.005		
1/14/2016	0.0048	0.0052		<0.005
1/25/2016	0.0069	0.0017 (J)		
6/15/2016				0.0037 (J)
6/16/2016	0.0048 (J)	0.0097 (J)	0.0098 (J)	
1/12/2017		<0.005		
1/13/2017	<0.005			<0.005
1/17/2017			<0.02	
7/24/2017				<0.005
7/25/2017	<0.005	<0.005	0.0069 (J)	
1/11/2018		<0.005		
1/12/2018	<0.005		<0.02	<0.005
7/11/2018	<0.005	<0.005		
7/12/2018			<0.02	<0.005
1/29/2019	<0.005			
1/30/2019		0.0025 (J)	0.0049 (J)	0.051
3/27/2019	<0.005	<0.005	<0.02	<0.005
9/11/2019	0.0073	0.0063	0.0086	0.0058
4/1/2020	<0.005	0.0032 (J)	0.0033 (J)	<0.005
9/15/2020	0.0044 (J)	<0.005	0.004 (J)	
9/16/2020				0.0035 (J)
3/16/2021	<0.005			
3/17/2021		<0.005	0.0033 (J)	<0.005
8/19/2021	<0.005	<0.005	0.0081	<0.005
2/22/2022	0.0034 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:25 AM

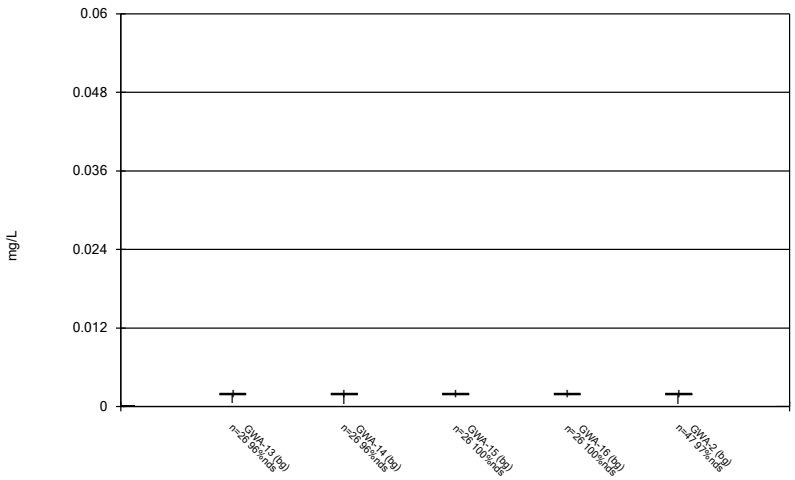
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-20	GWC-21	GWC-23	GWC-9
2/23/2022		0.004 (J)	0.017	<0.005
8/3/2022	0.0042 (J)			0.005
8/4/2022		0.016	0.016	
2/8/2023	<0.005	<0.005	0.0046 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

Box & Whiskers Plot

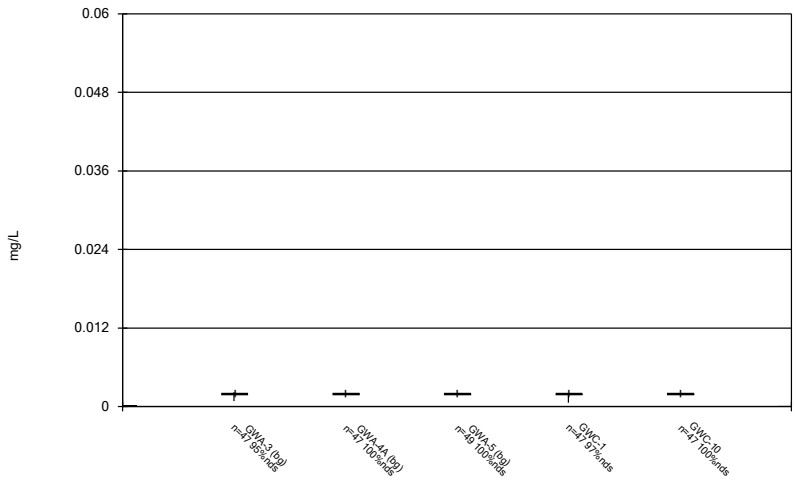


Constituent: Antimony Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

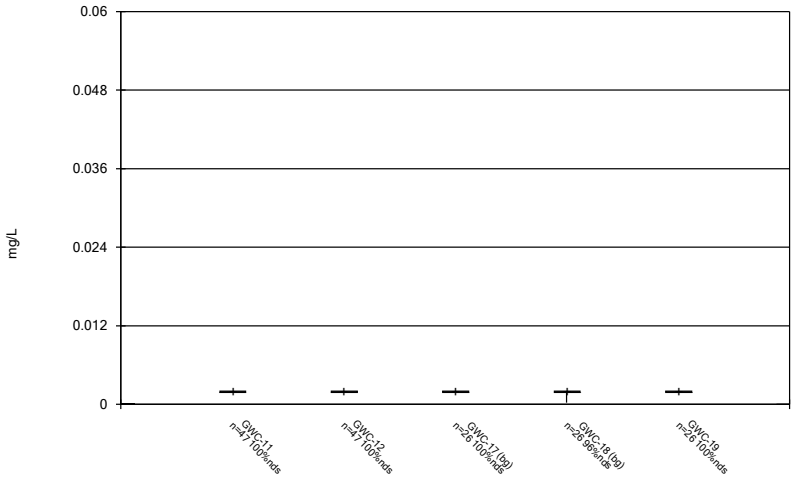


Constituent: Antimony Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

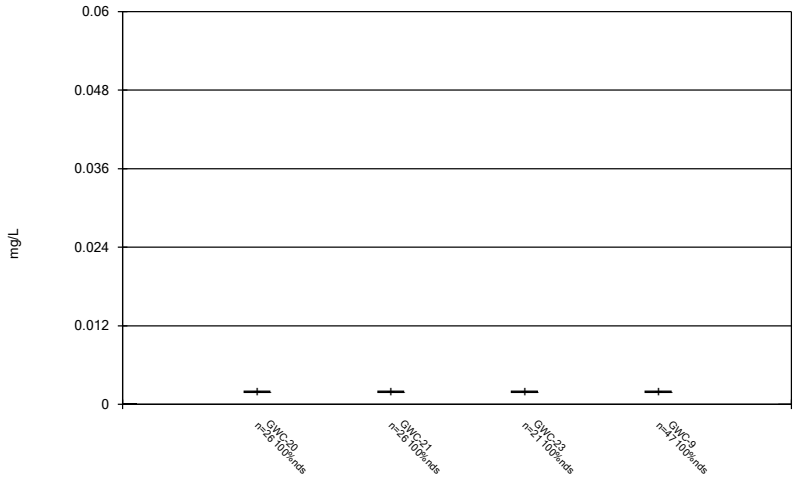


Constituent: Antimony Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

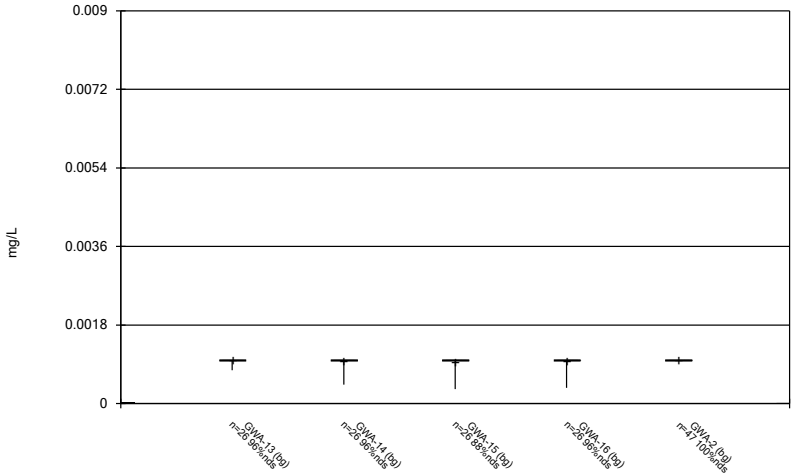
Box & Whiskers Plot



Constituent: Antimony Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

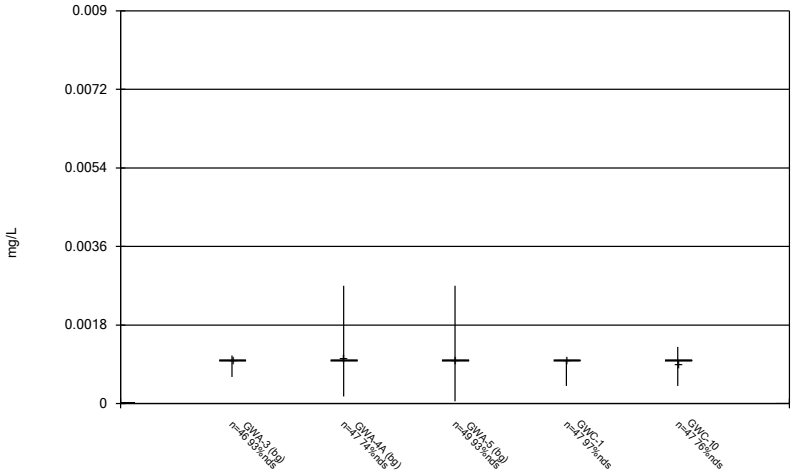


Constituent: Arsenic Analysis Run 3/7/2023 10:25 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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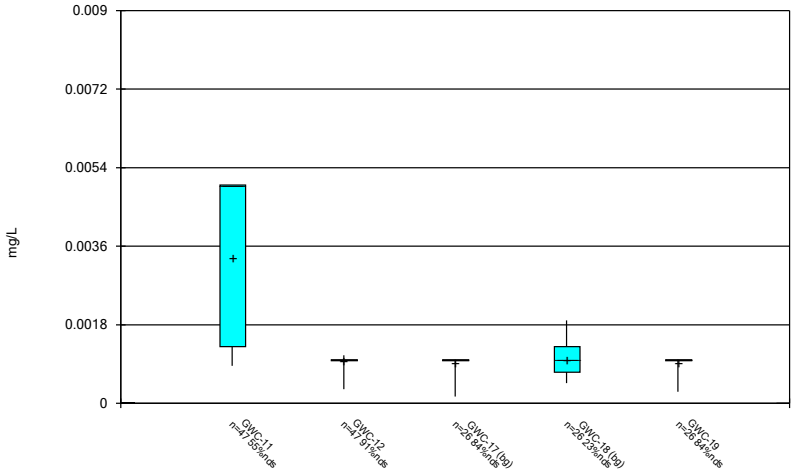
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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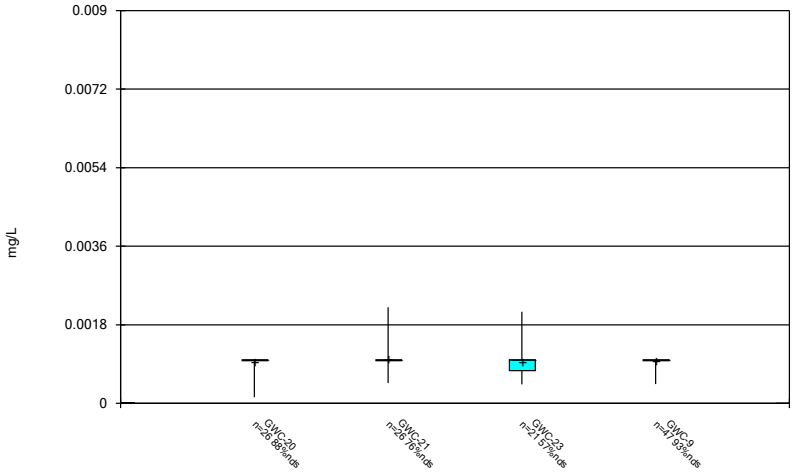
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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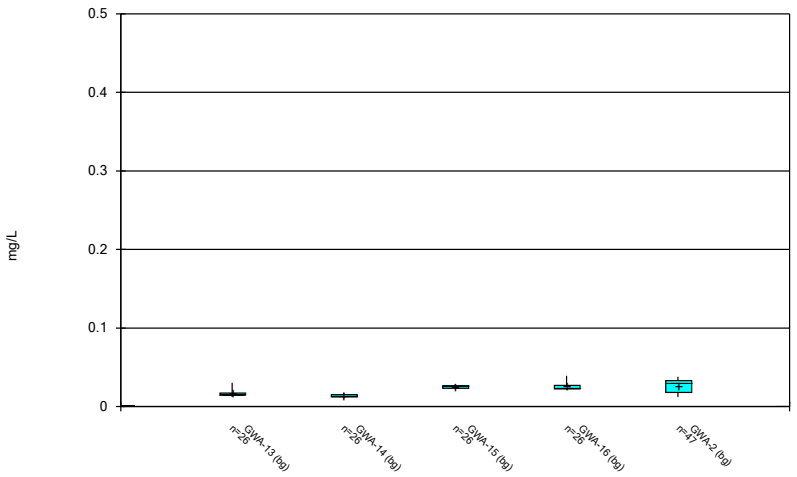
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



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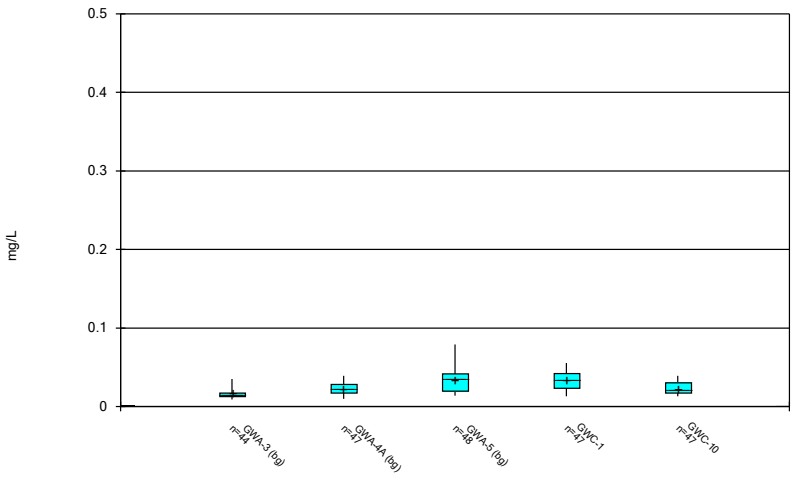
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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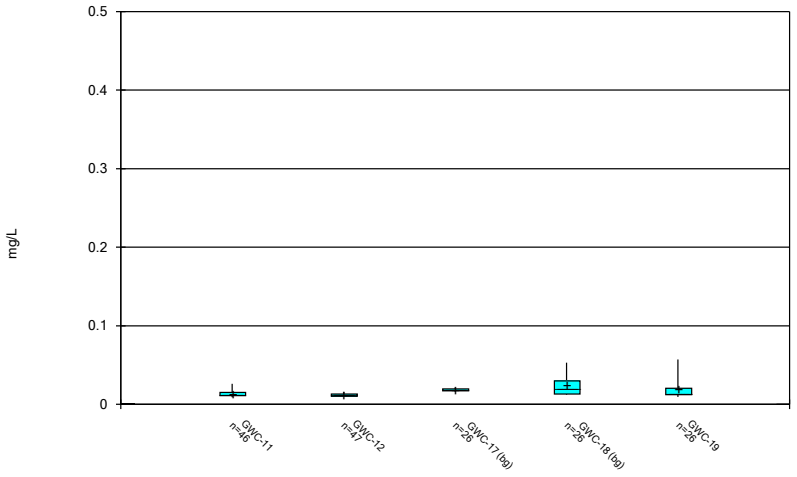
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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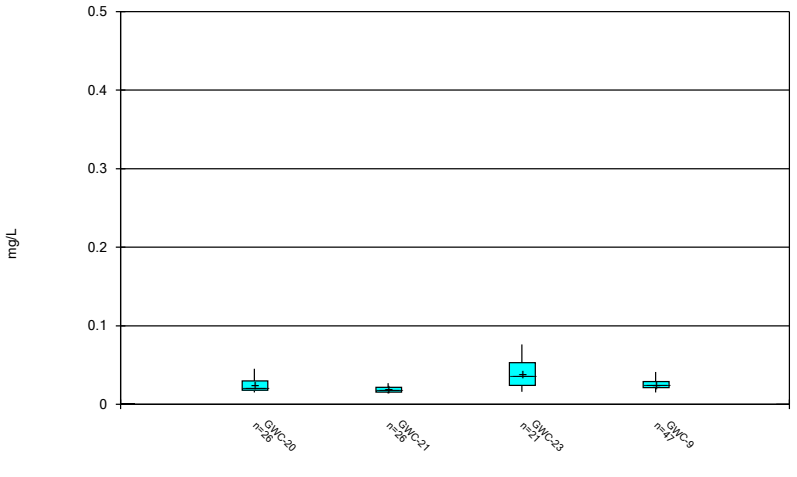
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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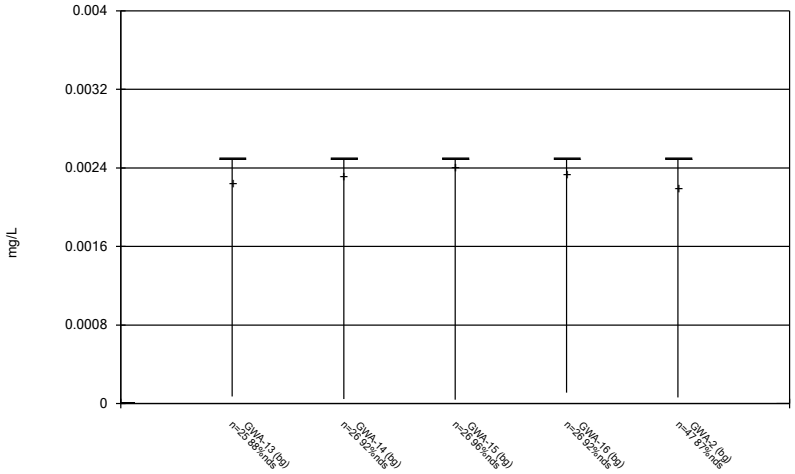
Box & Whiskers Plot



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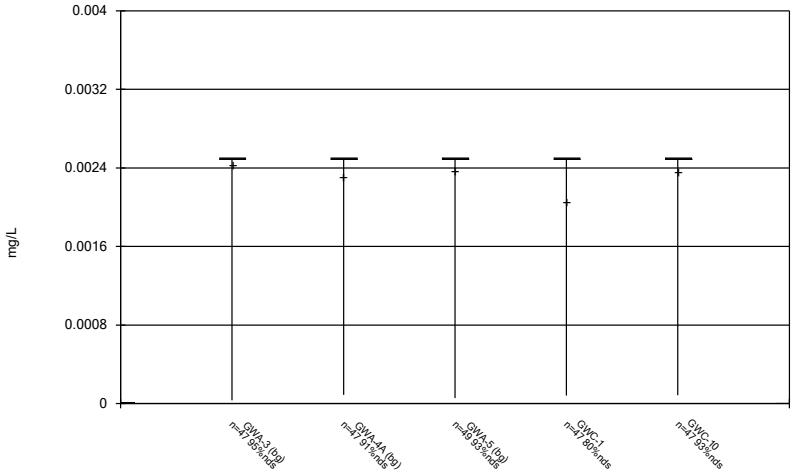
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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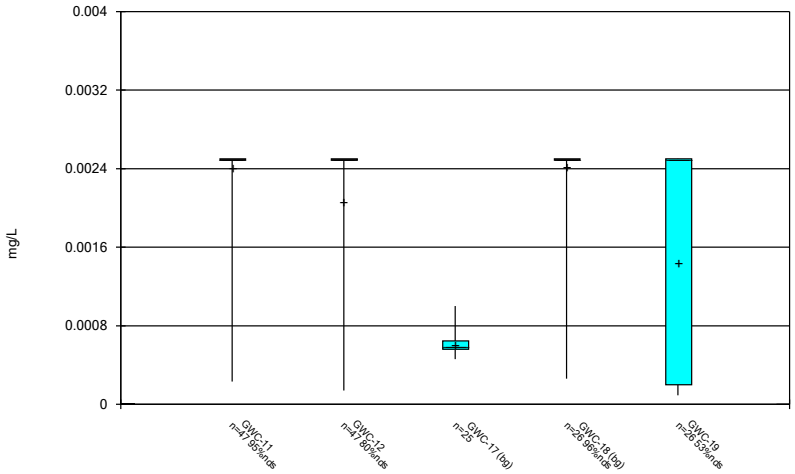
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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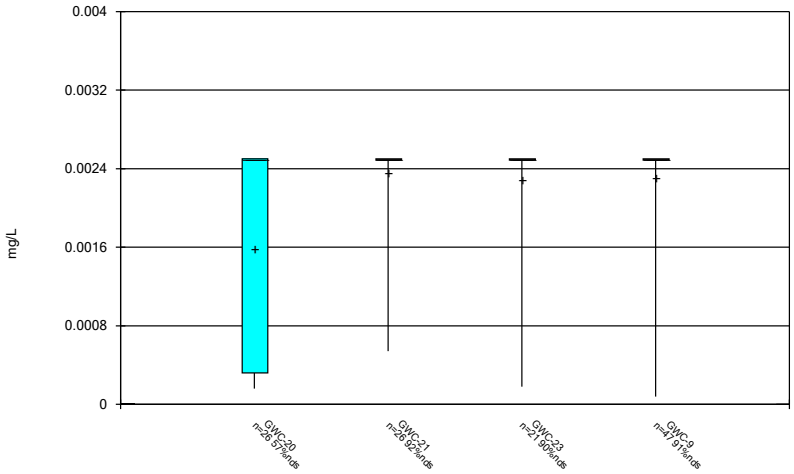
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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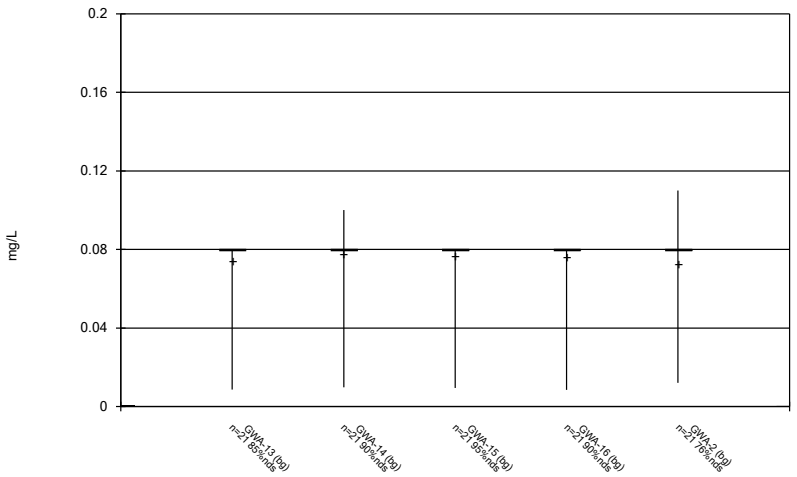
Box & Whiskers Plot



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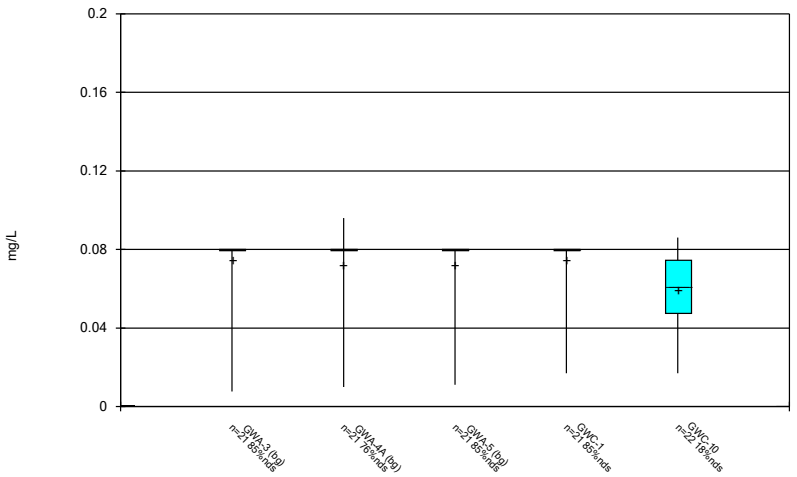
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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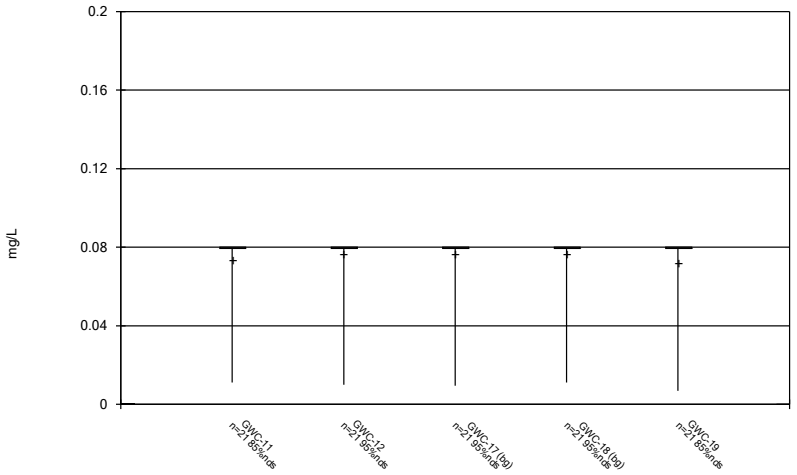

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Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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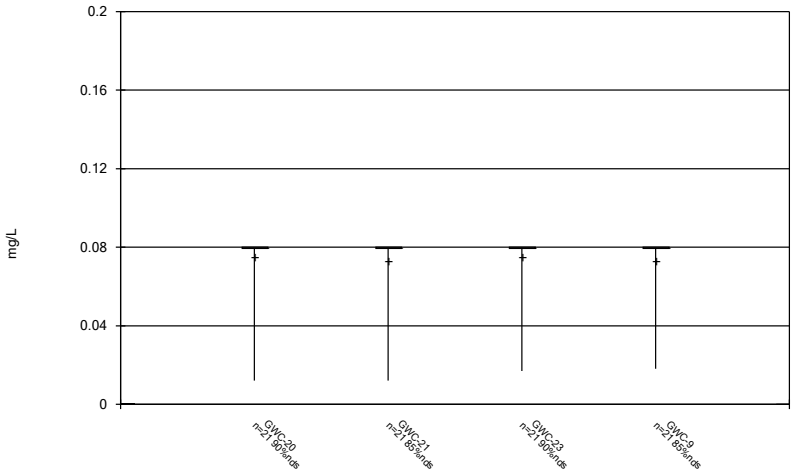

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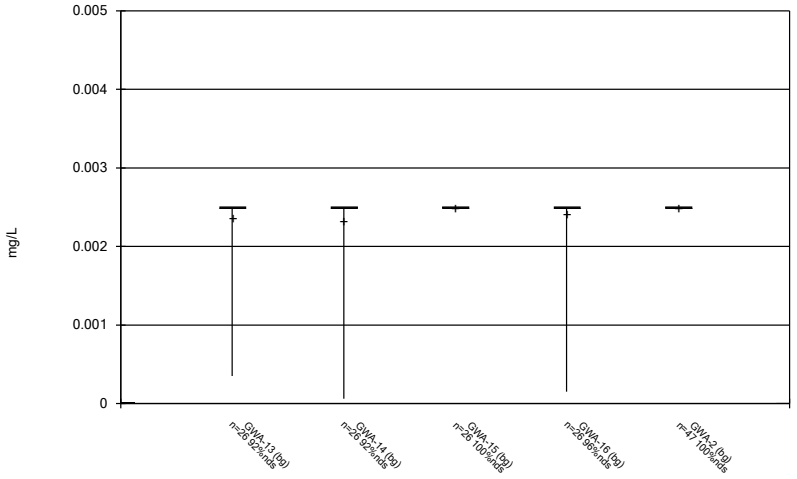
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



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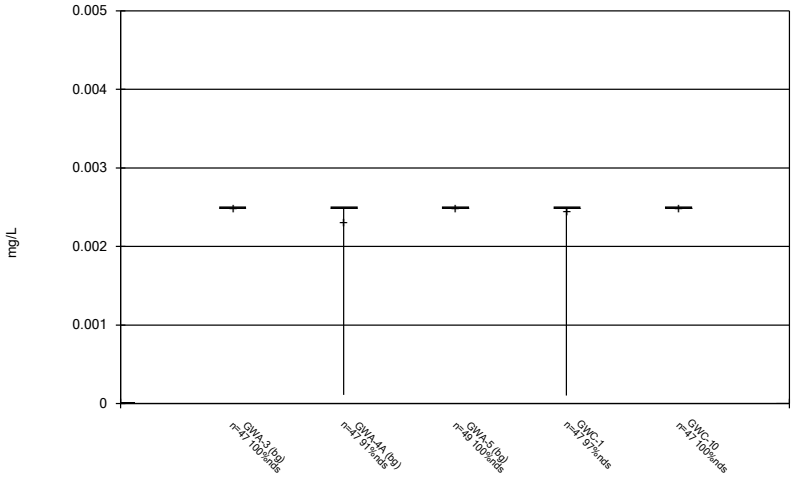
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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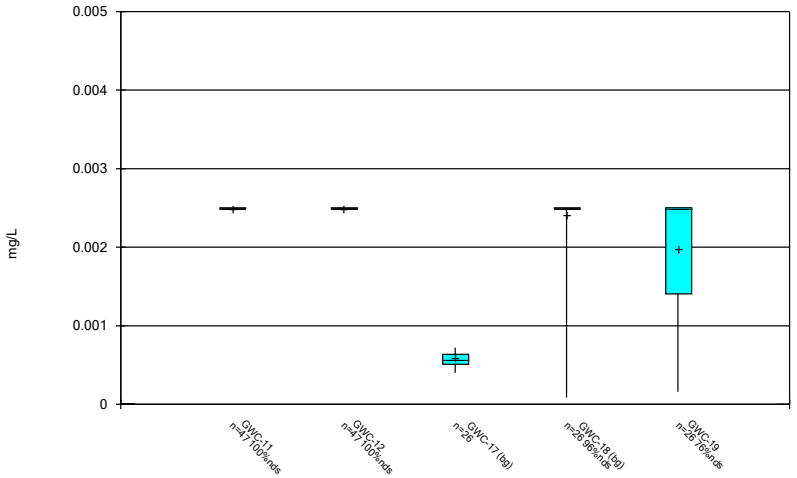
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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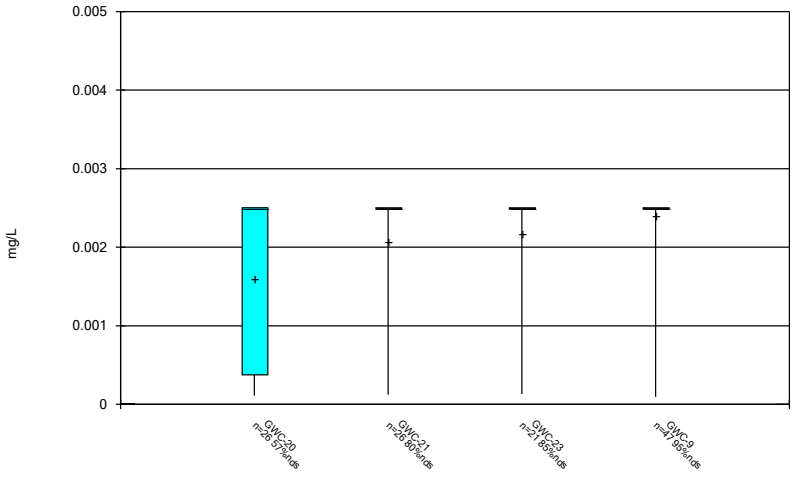

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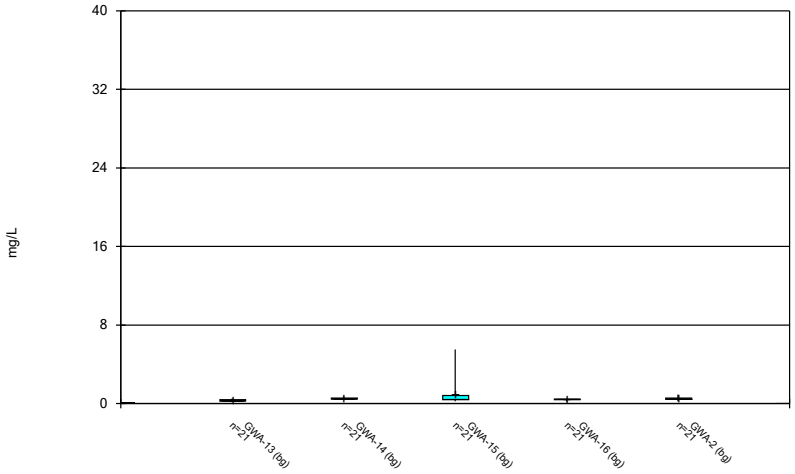
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Calcium Analysis Run 3/7/2023 10:26 AM

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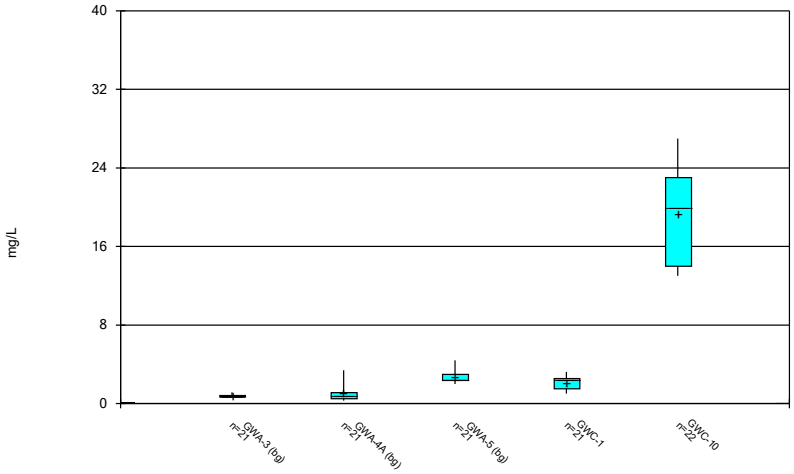
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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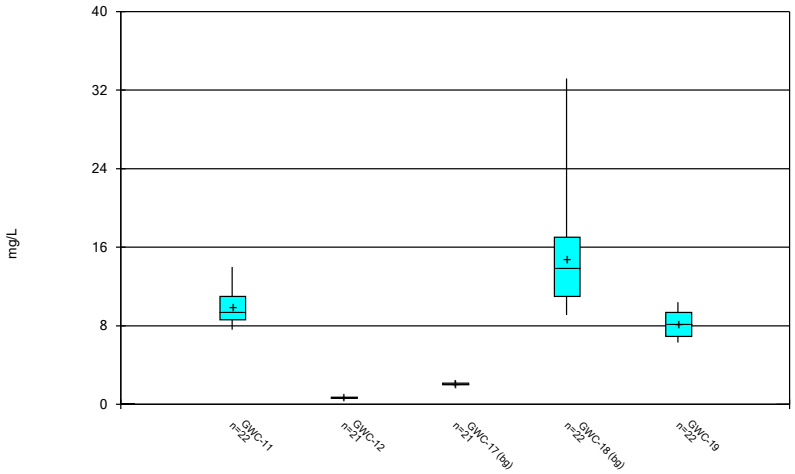
Box & Whiskers Plot



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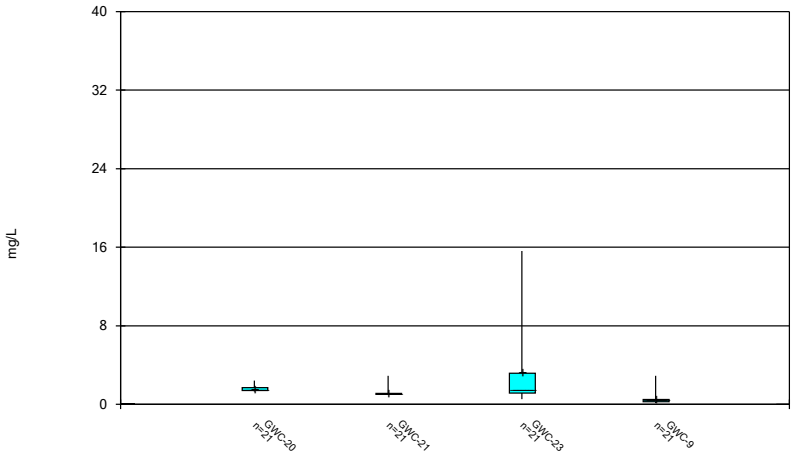
Box & Whiskers Plot



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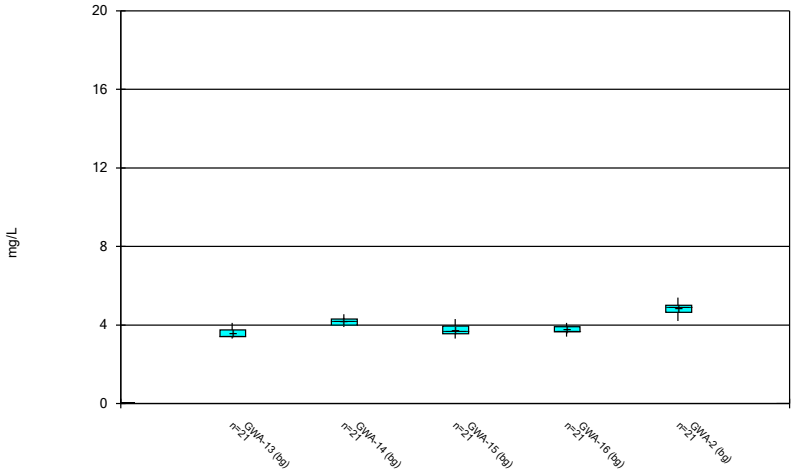
Box & Whiskers Plot



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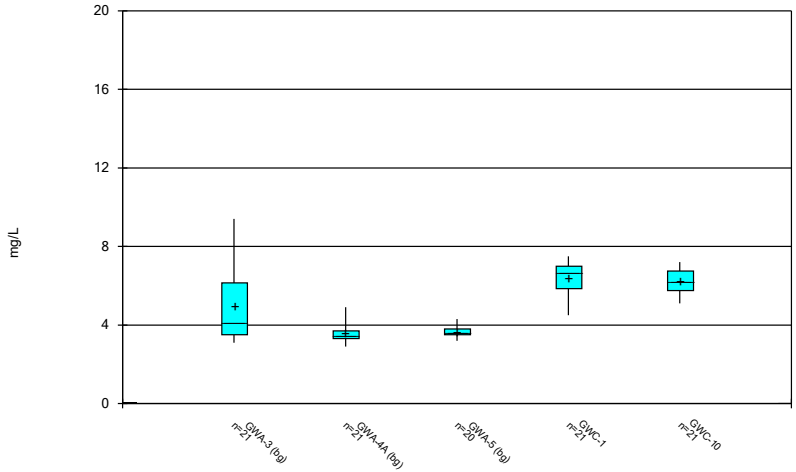
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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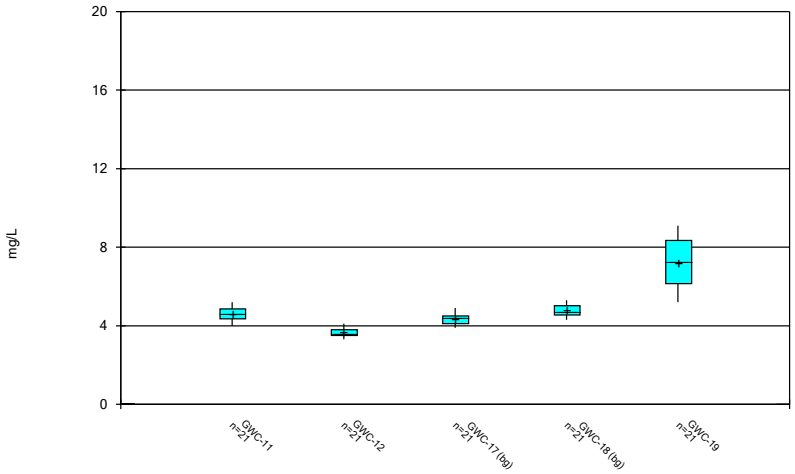
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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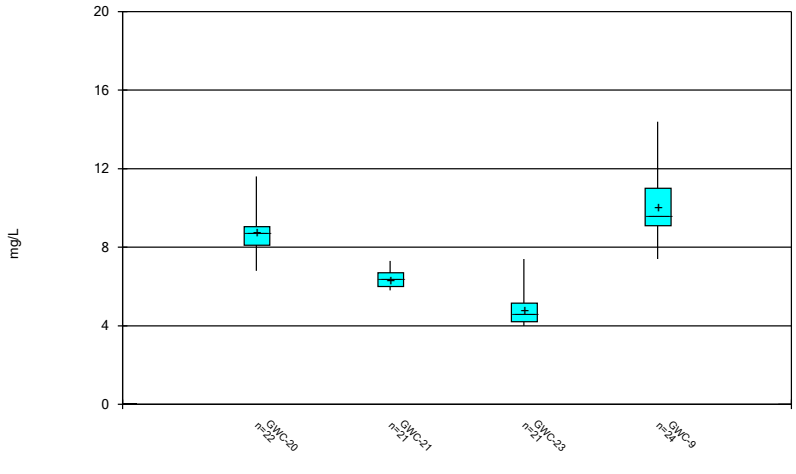
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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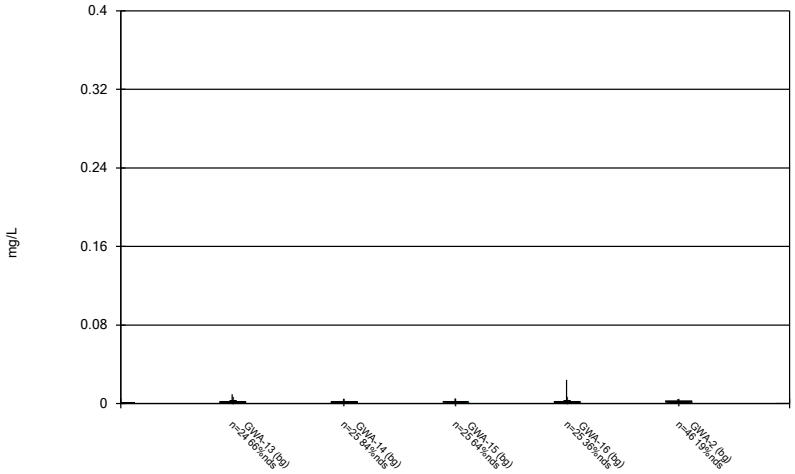
Box & Whiskers Plot



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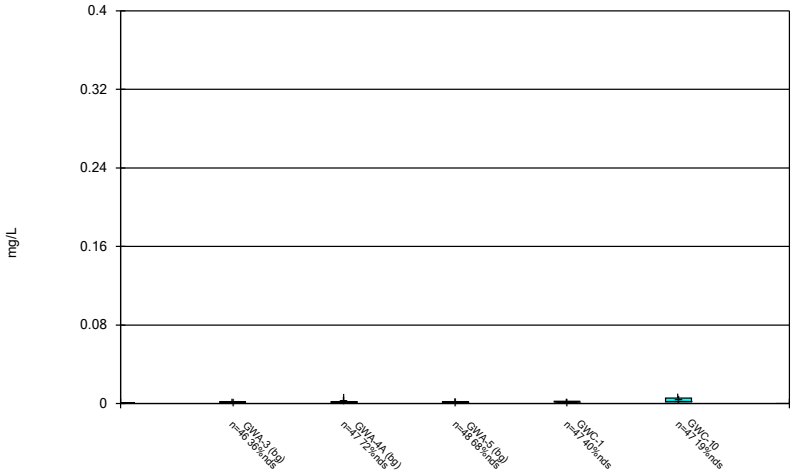
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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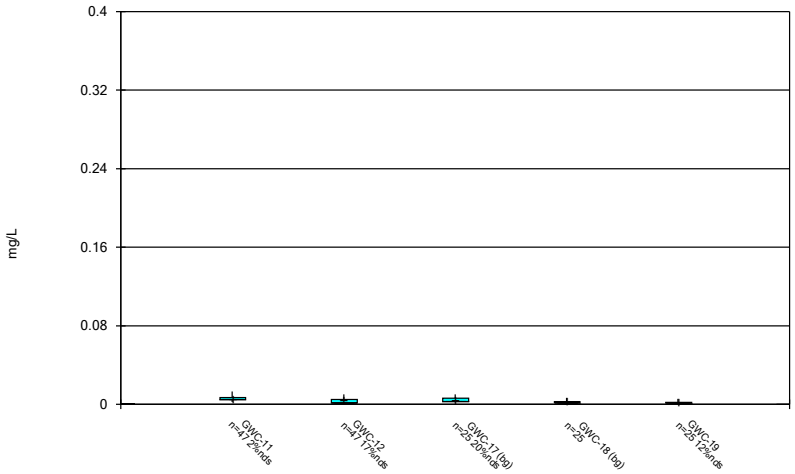
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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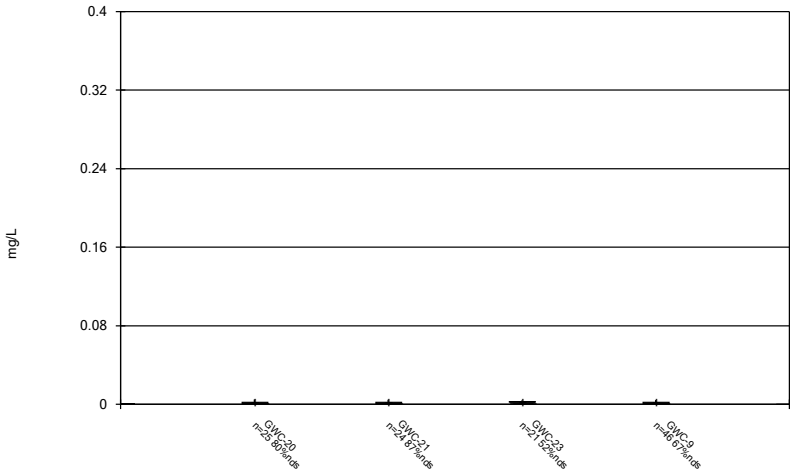
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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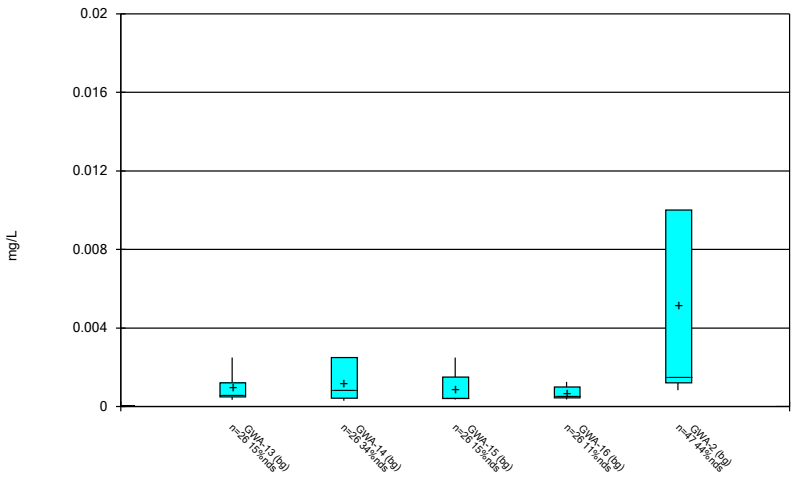
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

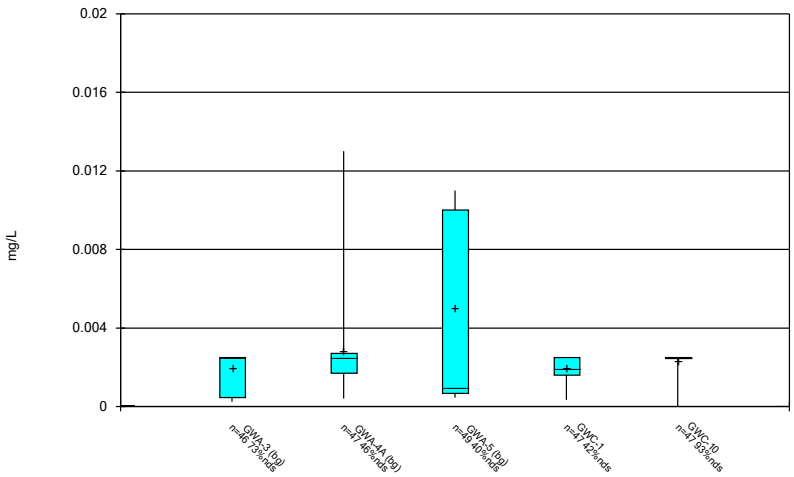


Constituent: Cobalt Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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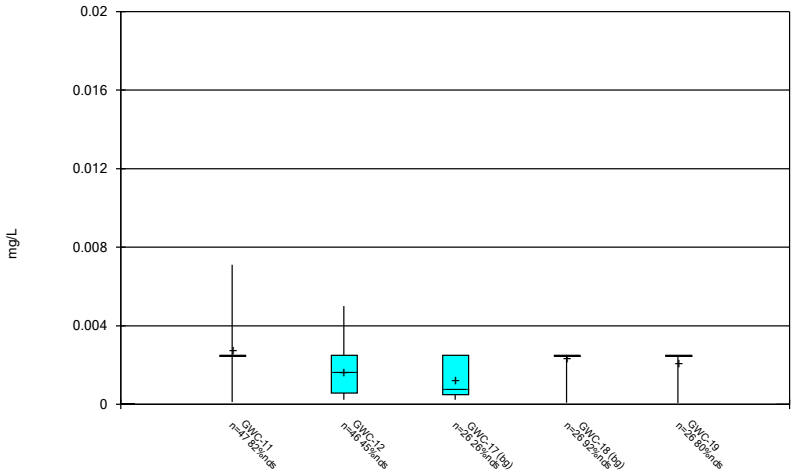
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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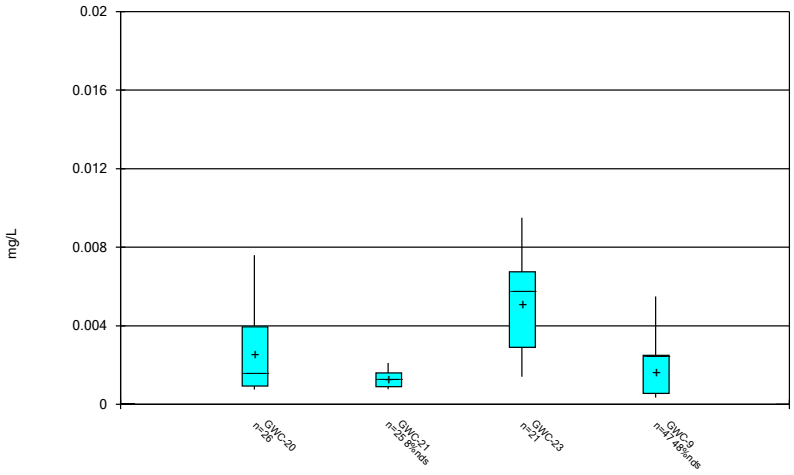
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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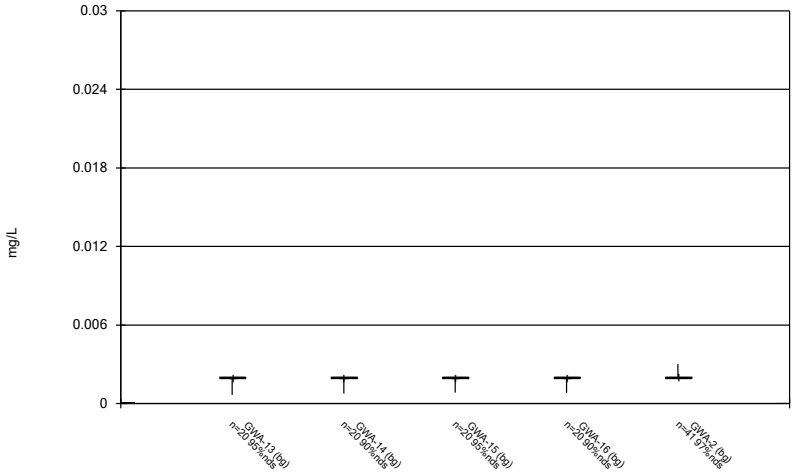
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

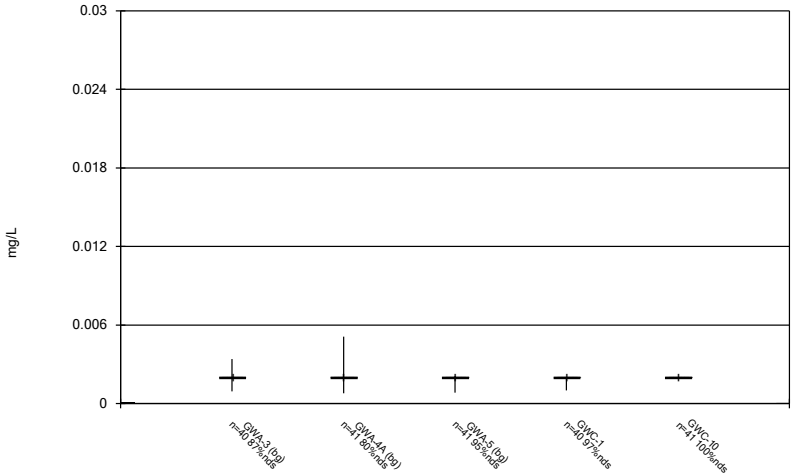


Constituent: Copper Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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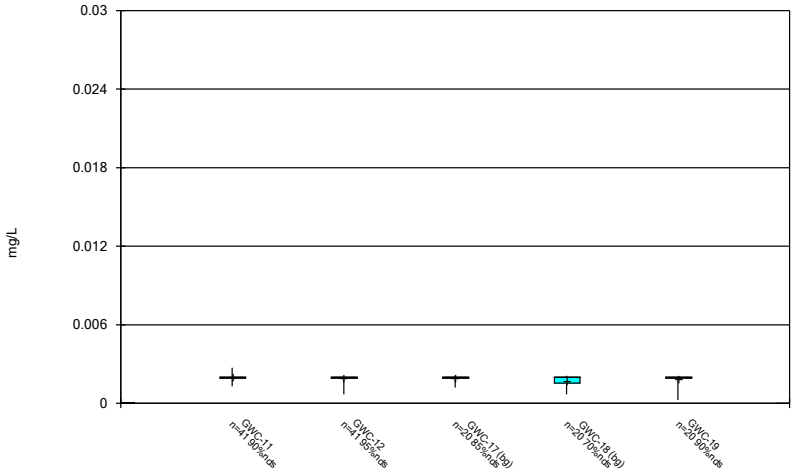
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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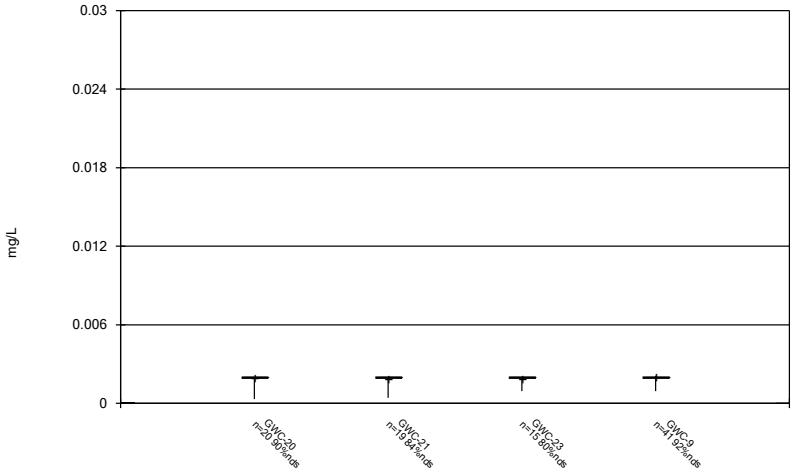
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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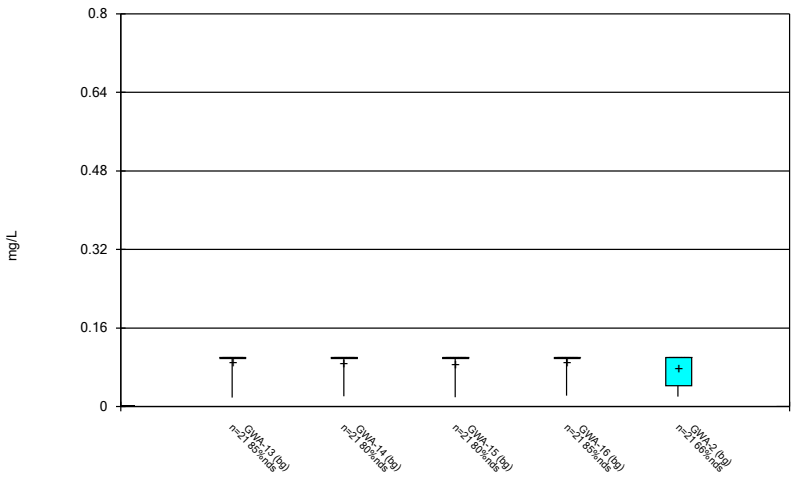
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

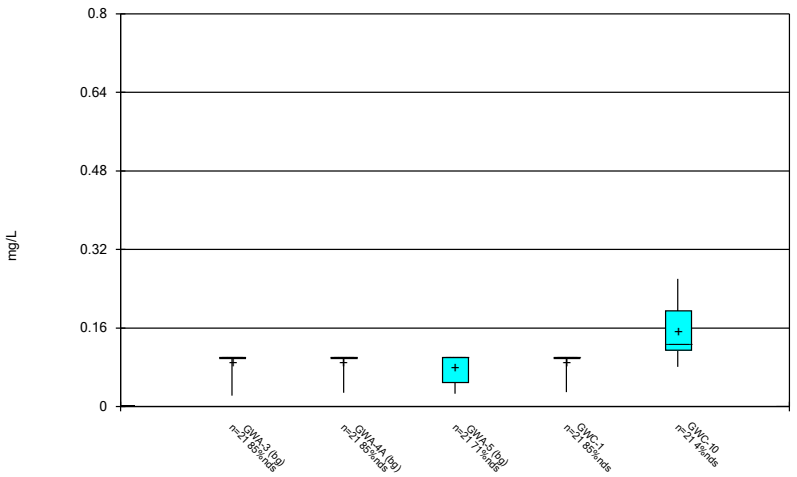


Constituent: Fluoride Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

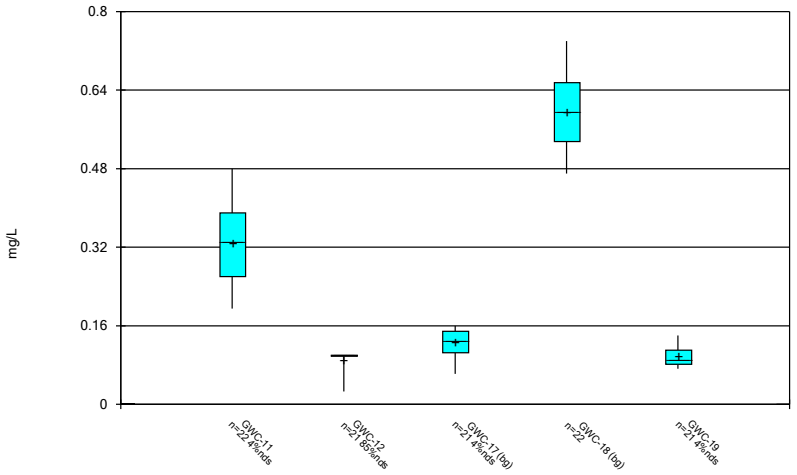


Constituent: Fluoride Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

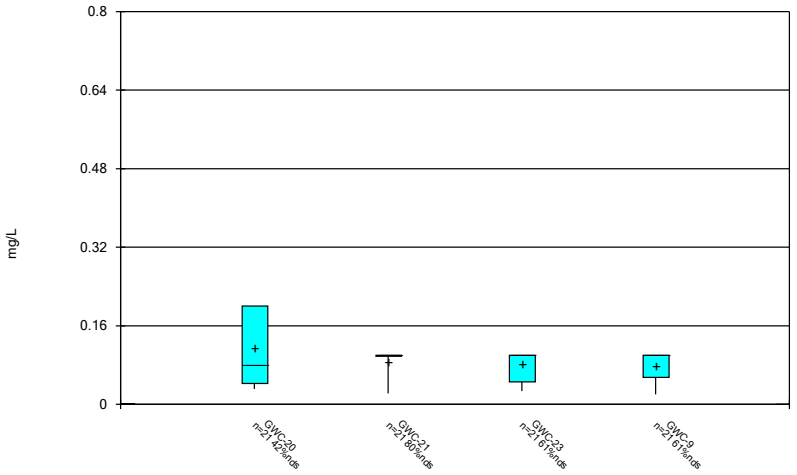


Constituent: Fluoride Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

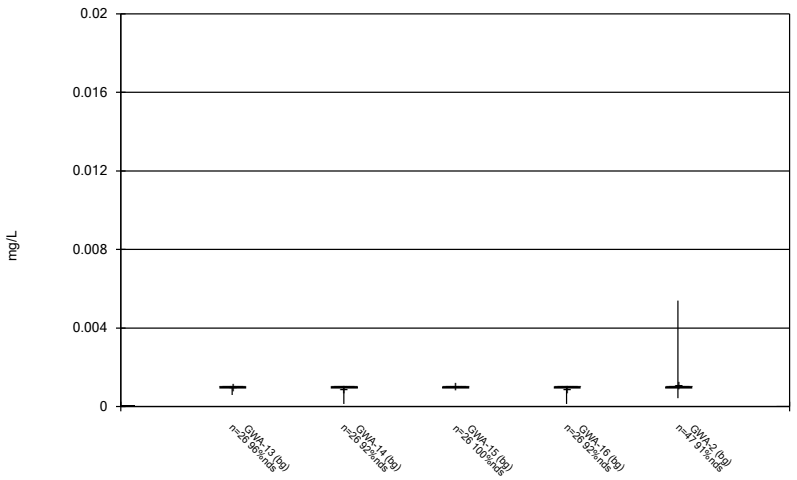
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

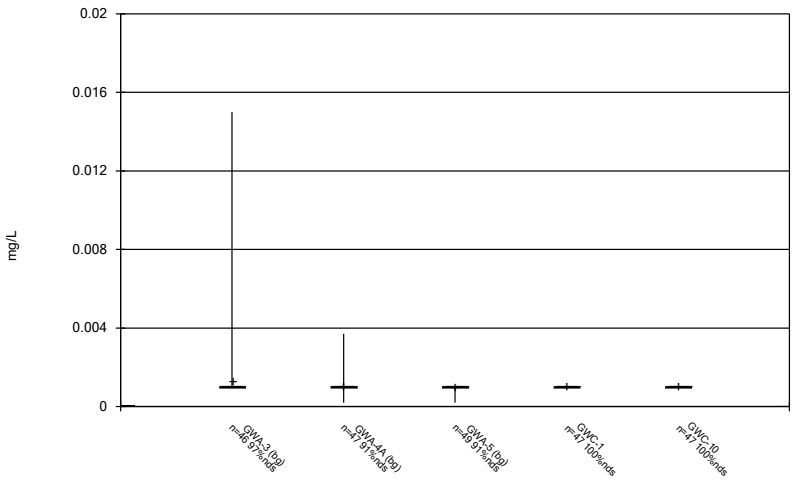


Constituent: Lead Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

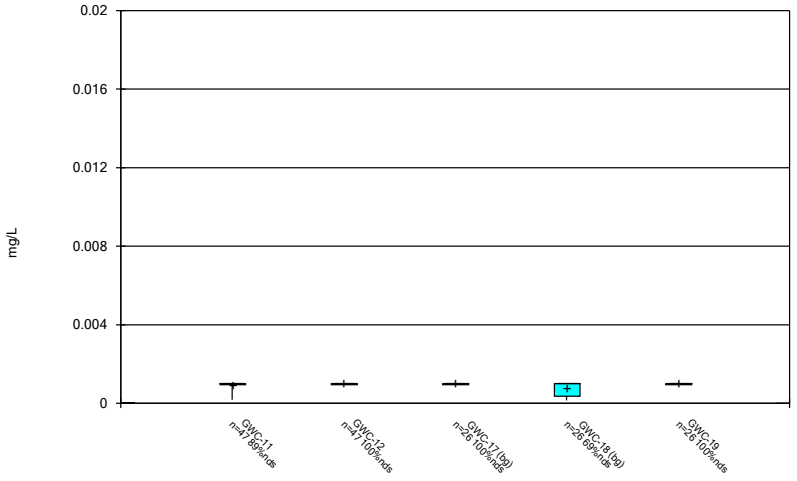


Constituent: Lead Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

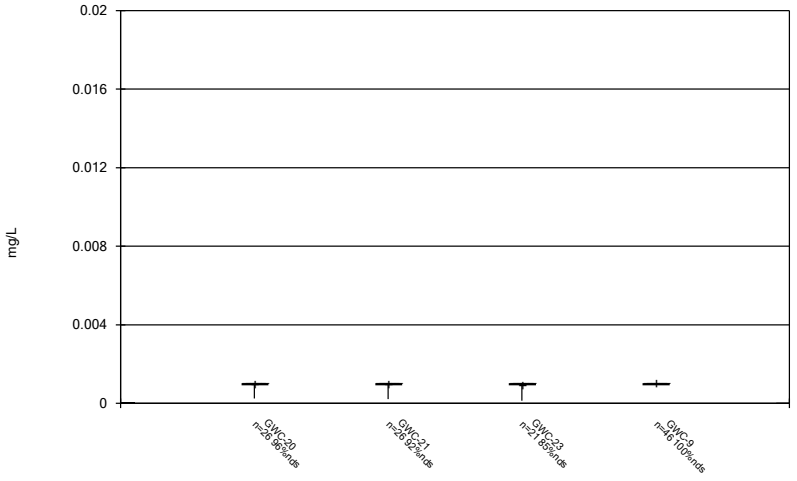


Constituent: Lead Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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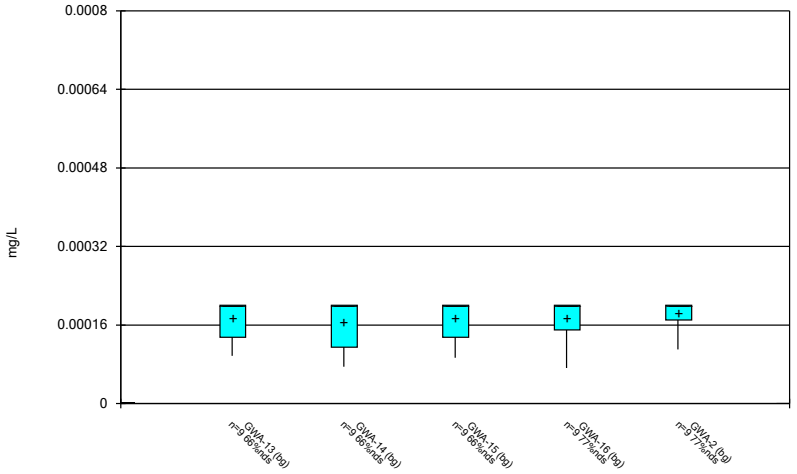
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

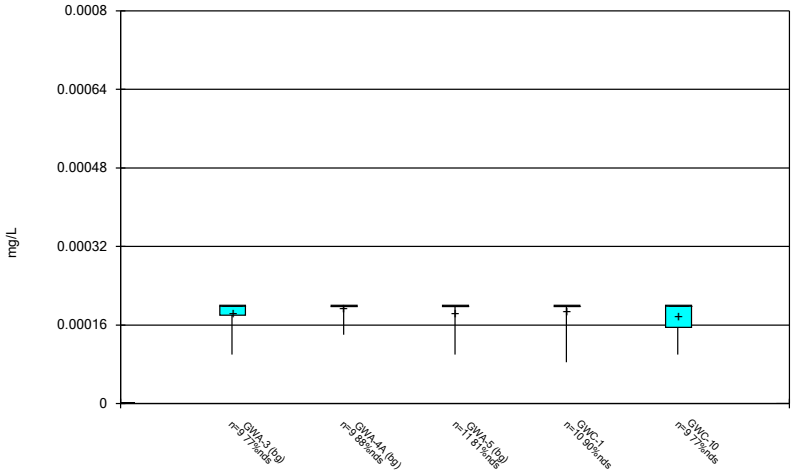


Constituent: Mercury Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

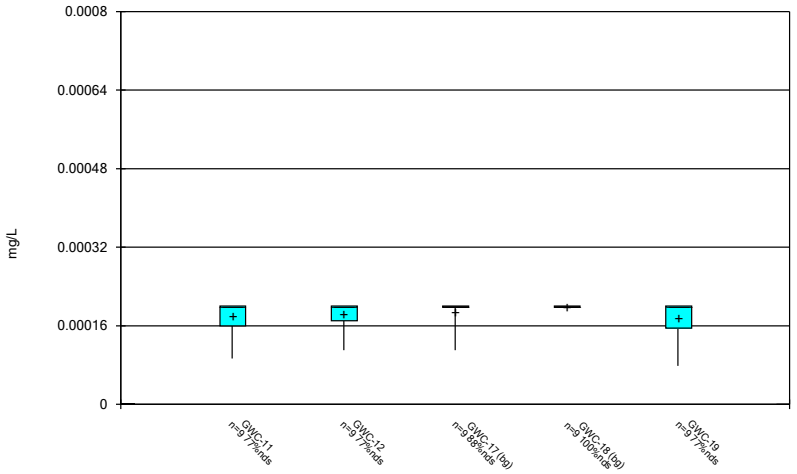


Constituent: Mercury Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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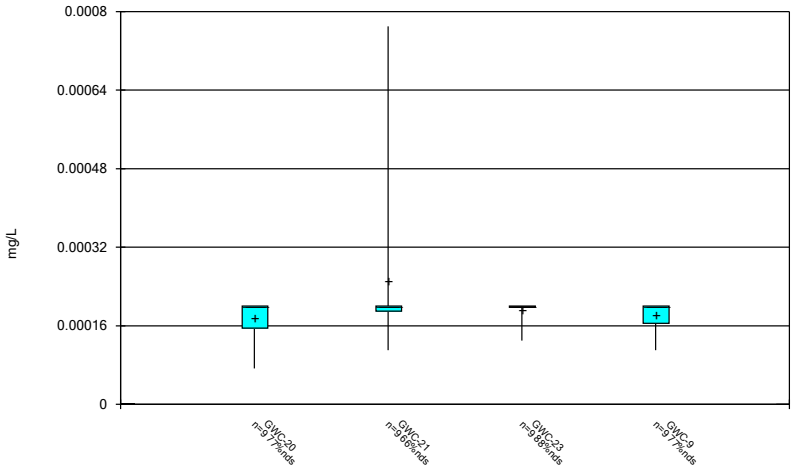
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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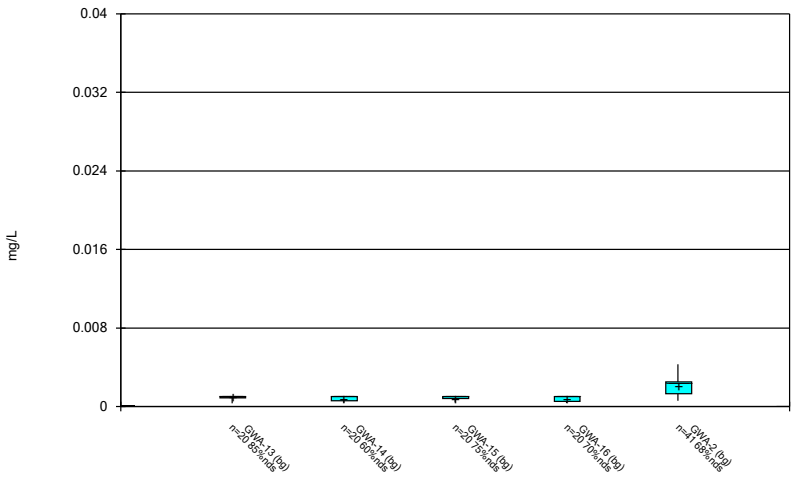
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

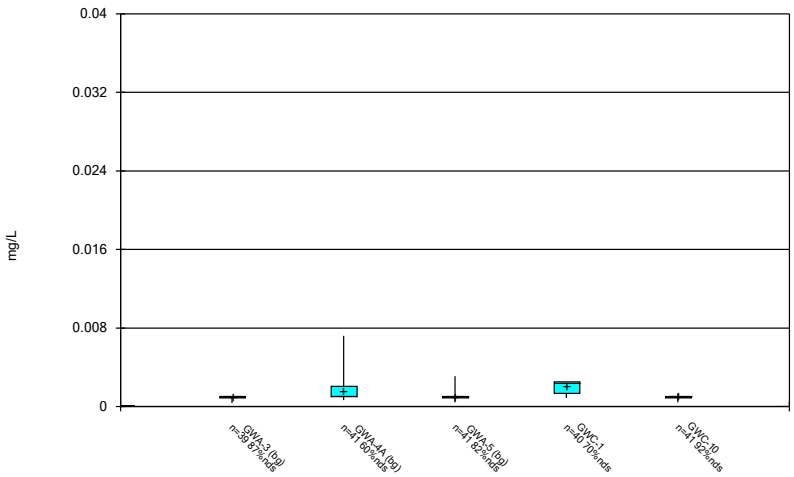


Constituent: Nickel Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

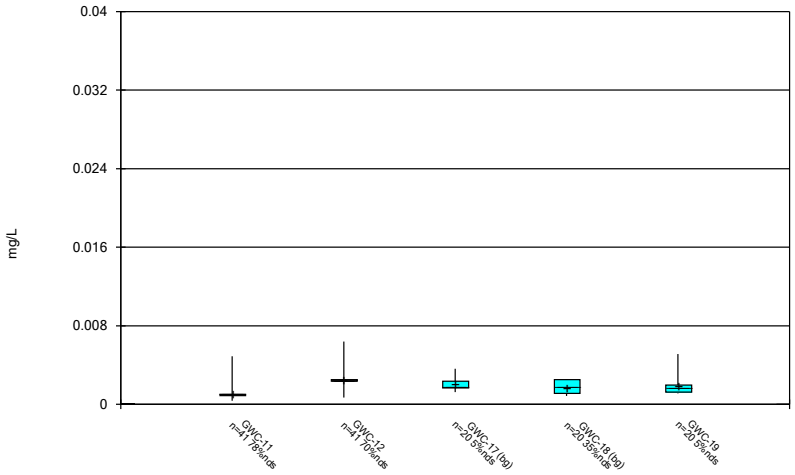


Constituent: Nickel Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

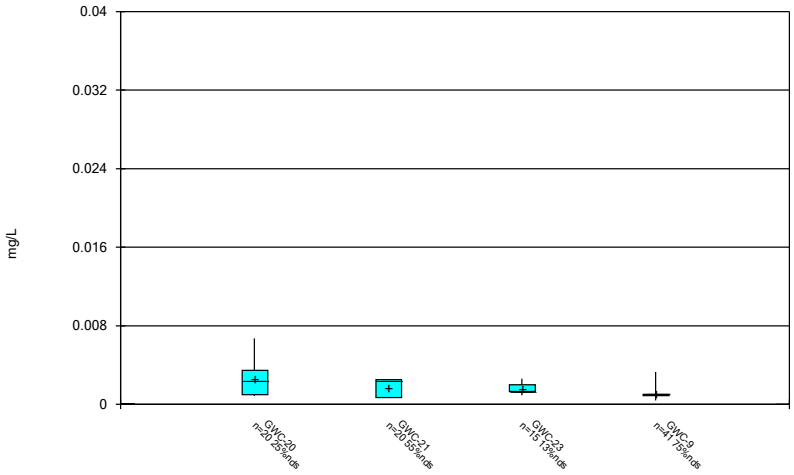


Constituent: Nickel Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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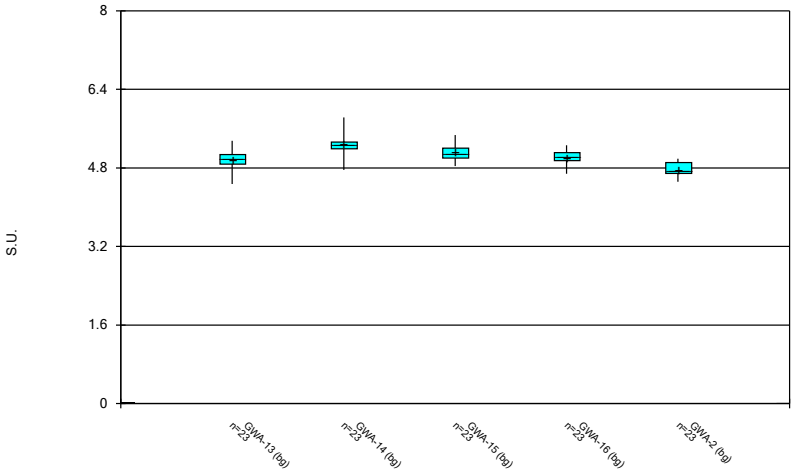
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

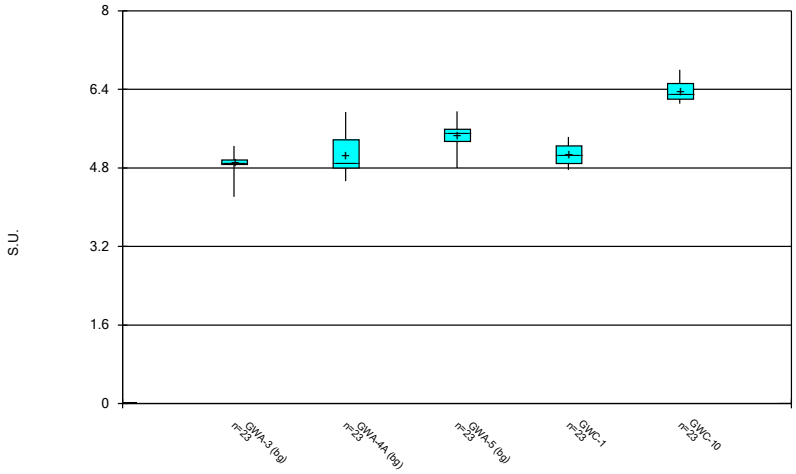


Constituent: pH Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

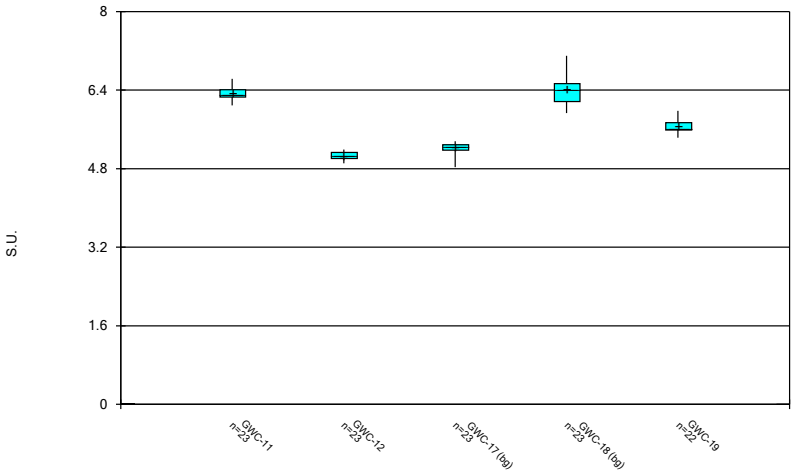


Constituent: pH Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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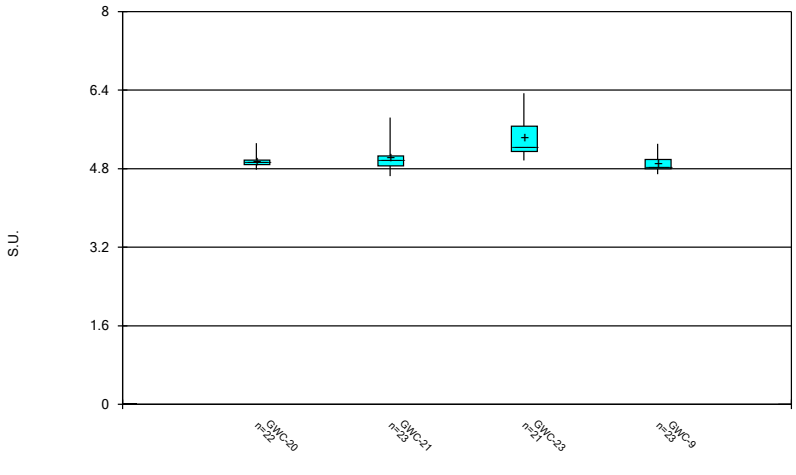
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

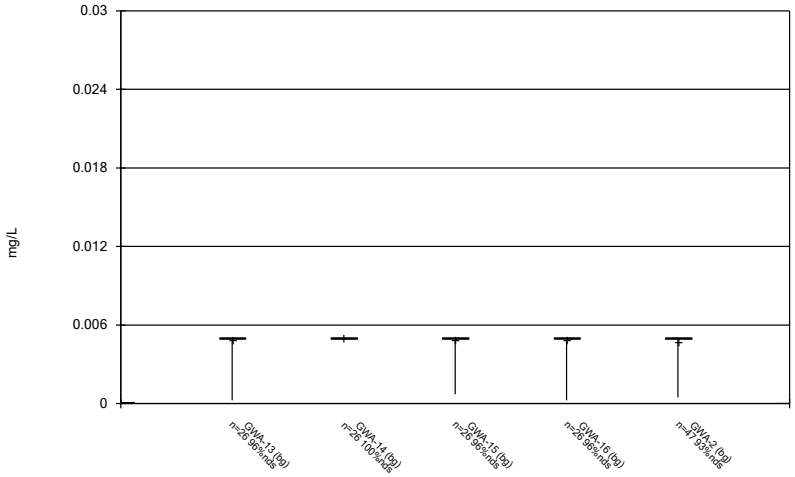
Box & Whiskers Plot



Constituent: pH Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

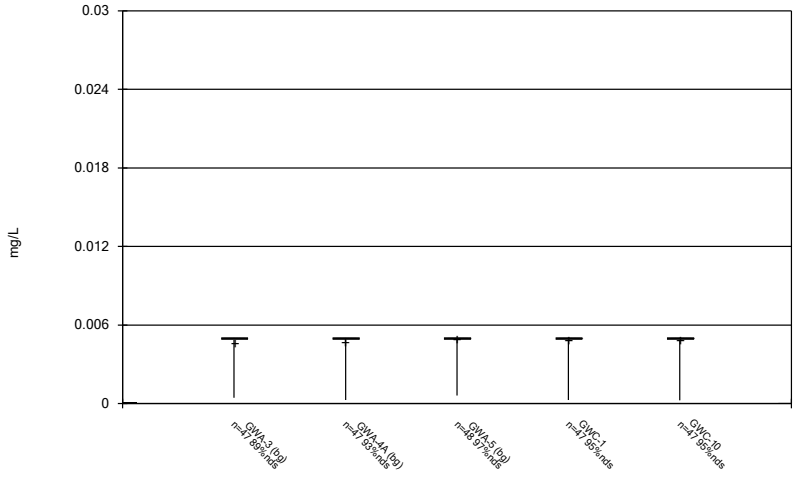


Constituent: Selenium Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

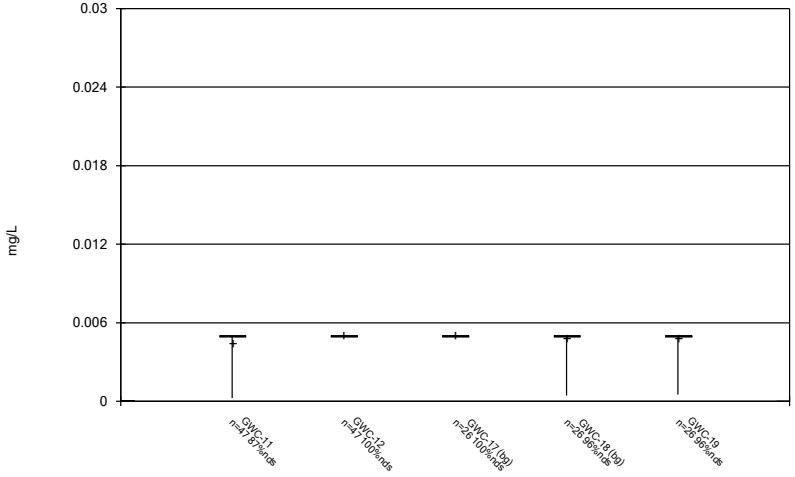


Constituent: Selenium Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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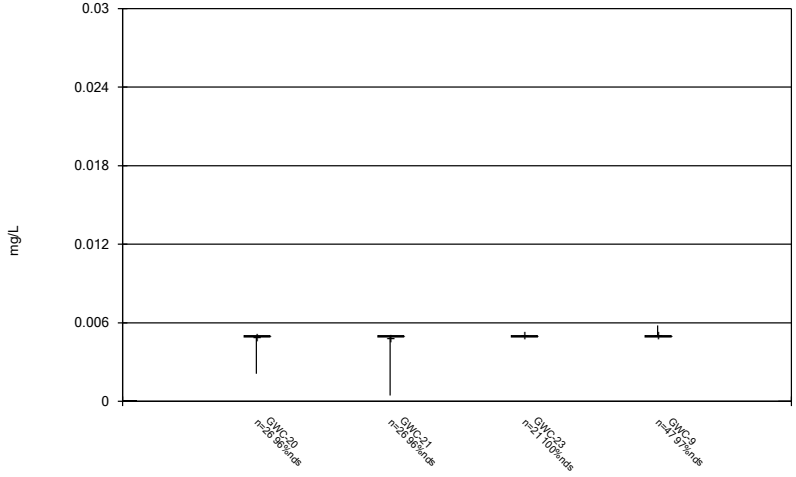
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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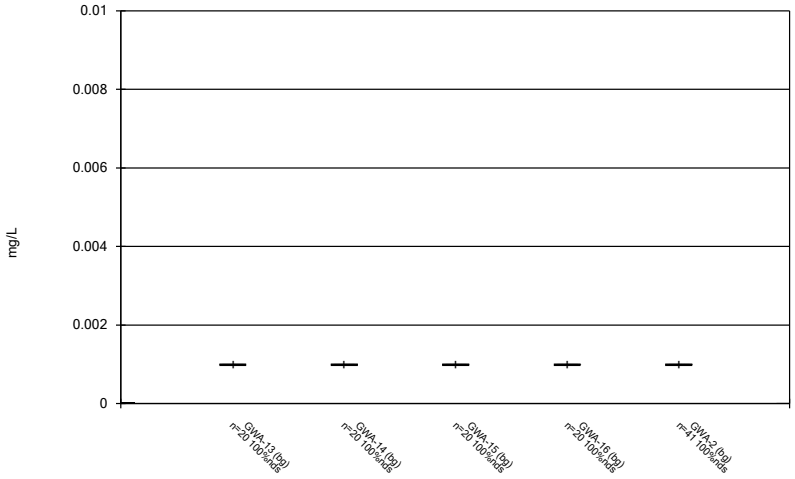
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

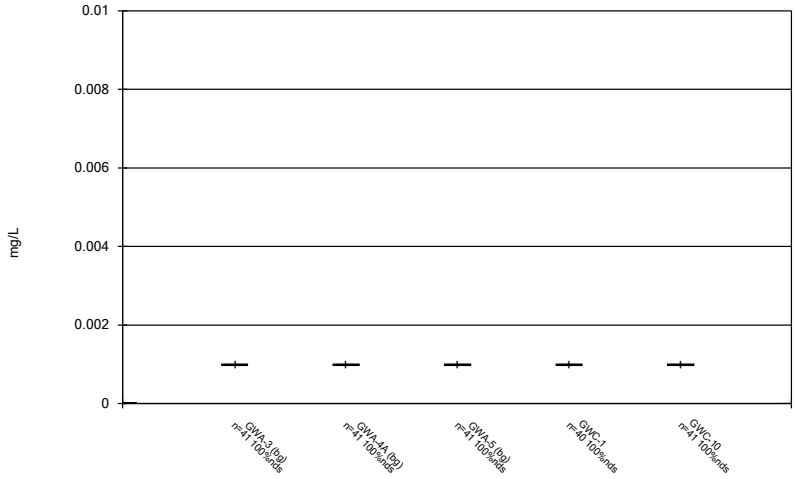


Constituent: Silver Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

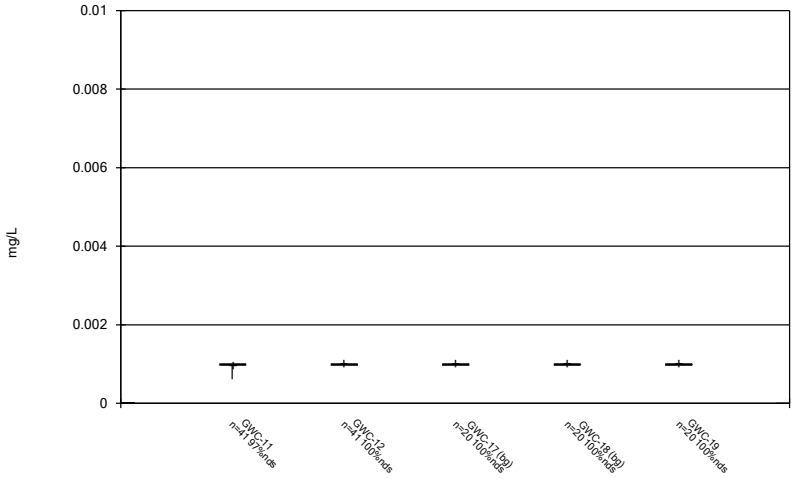


Constituent: Silver Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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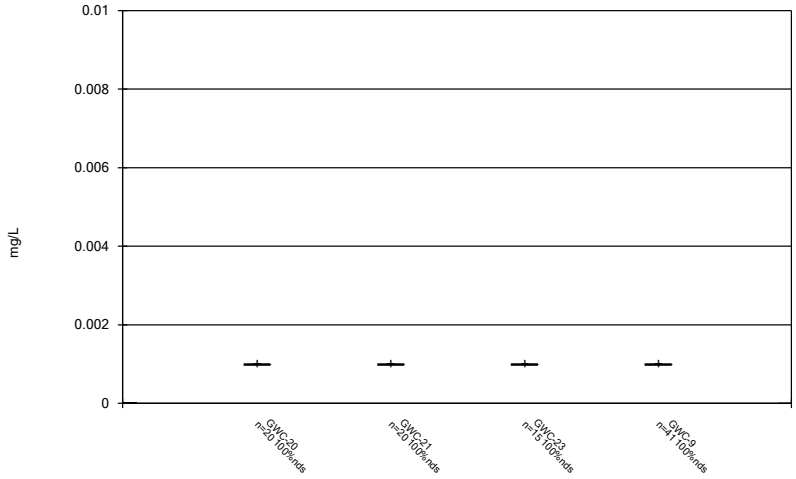
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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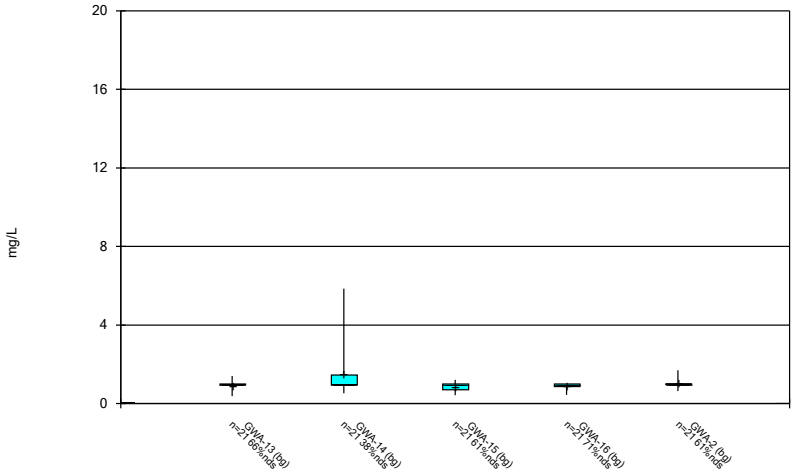
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

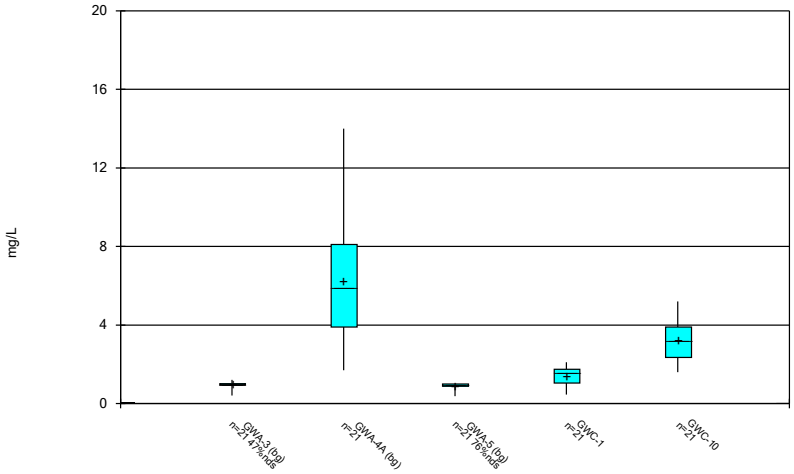
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



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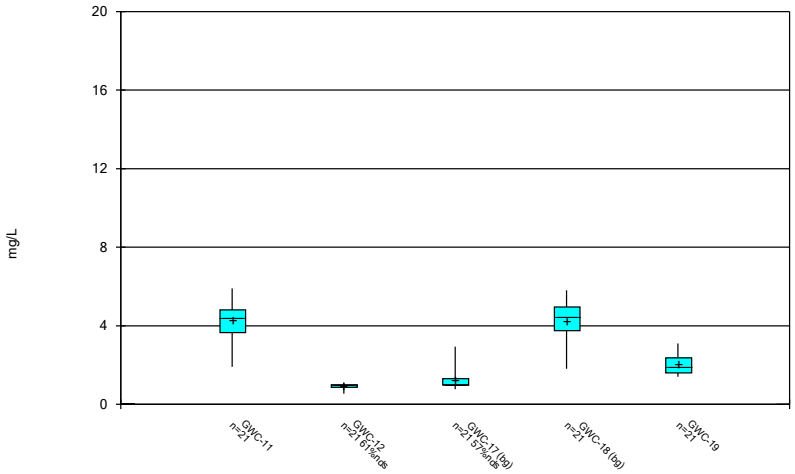
Box & Whiskers Plot



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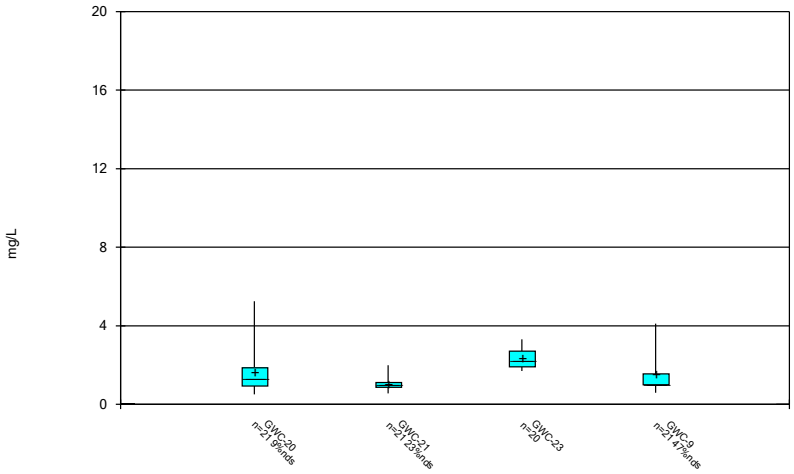
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



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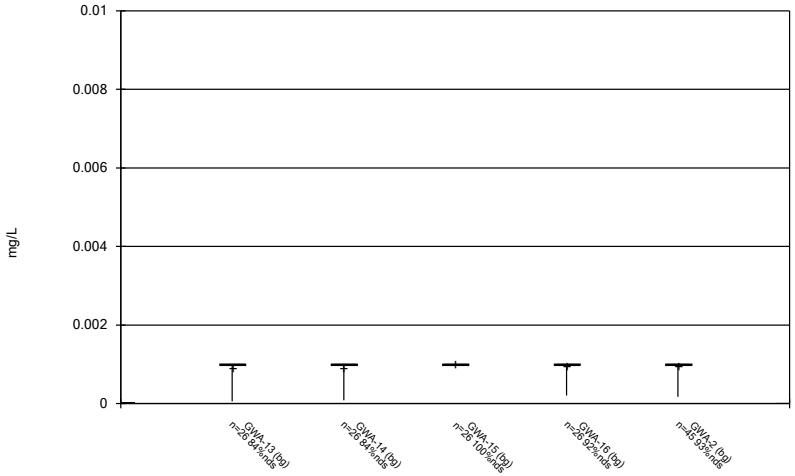
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

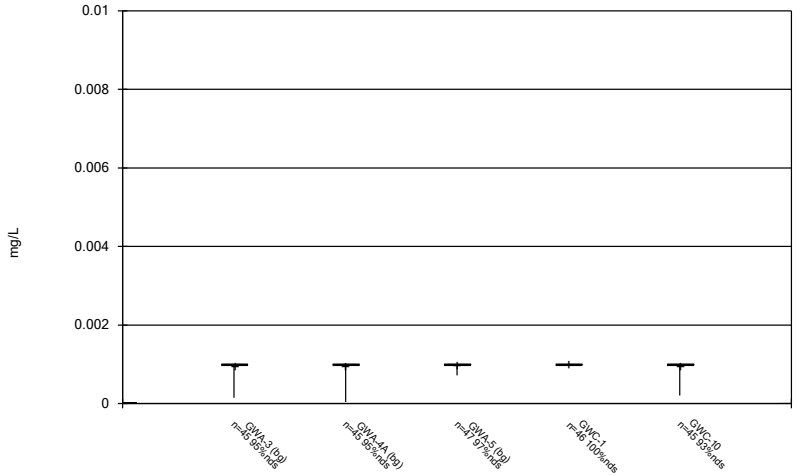


Constituent: Thallium Analysis Run 3/7/2023 10:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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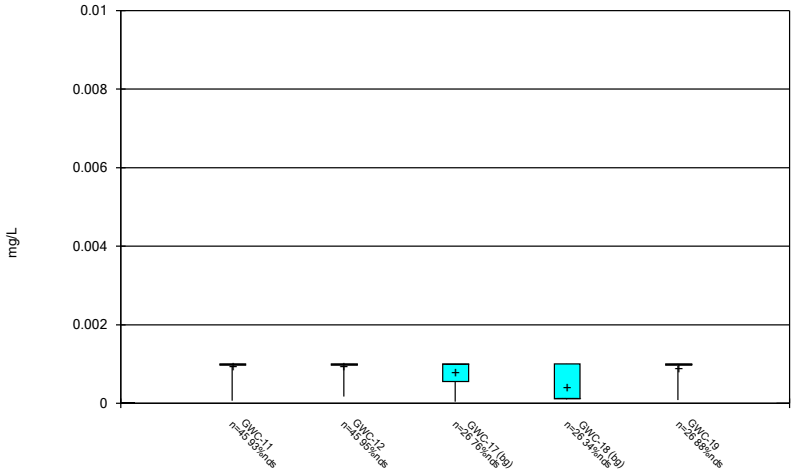
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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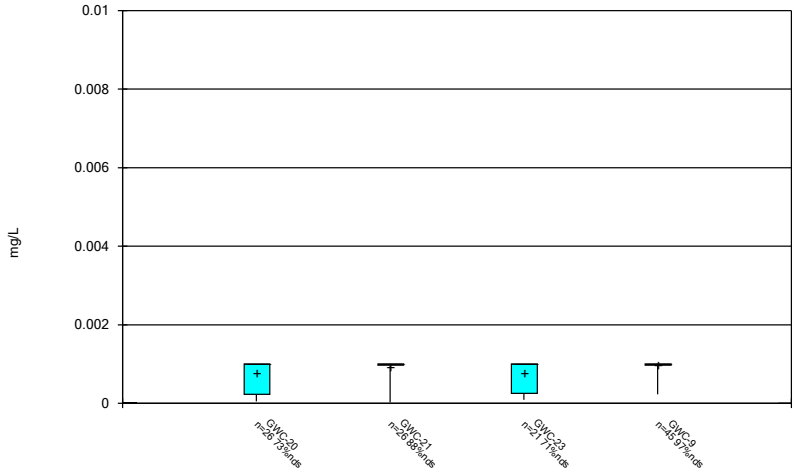
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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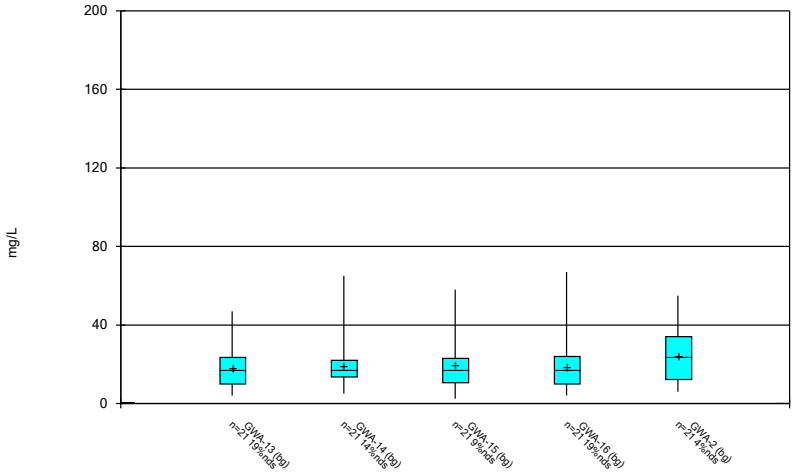
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

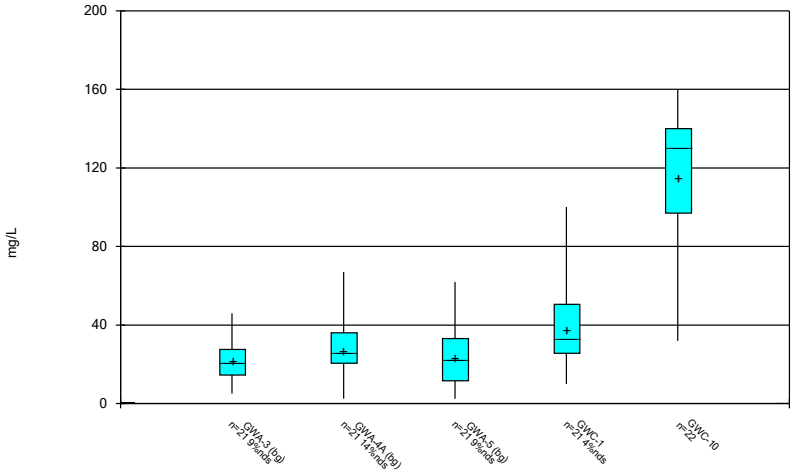
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 3/7/2023 10:27 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

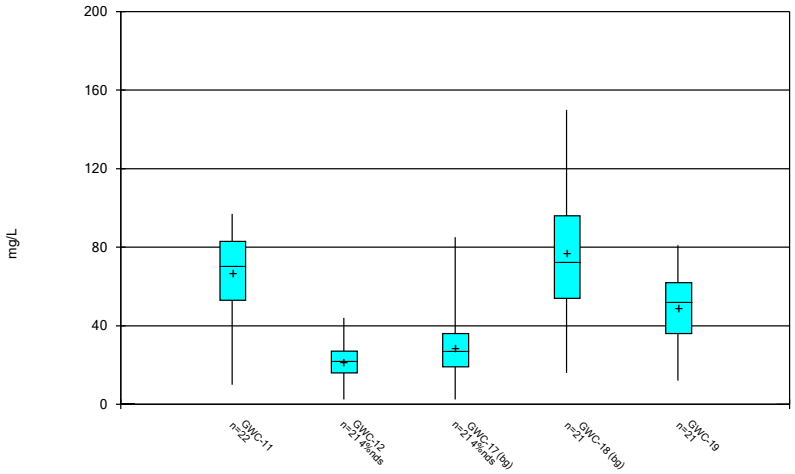
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 3/7/2023 10:27 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 3/7/2023 10:27 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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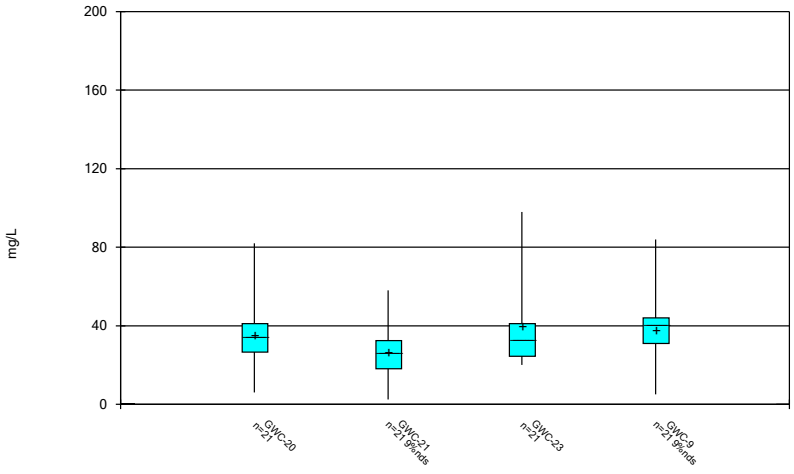
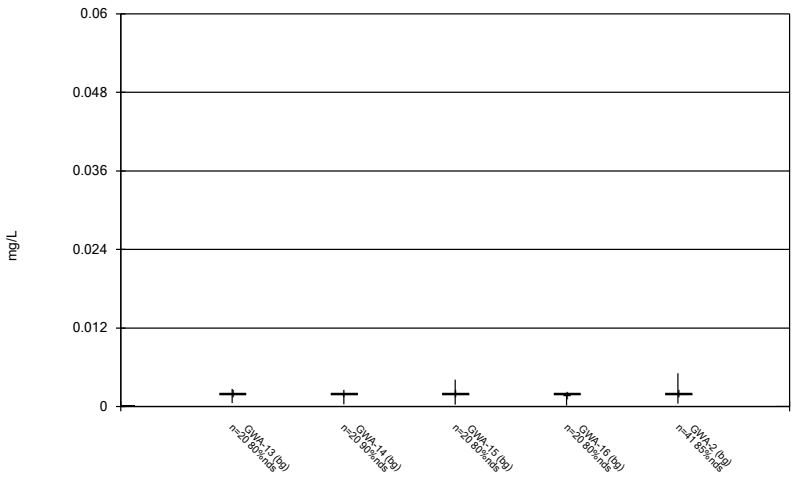


Constituent: Total Dissolved Solids Analysis Run 3/7/2023 10:27 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot

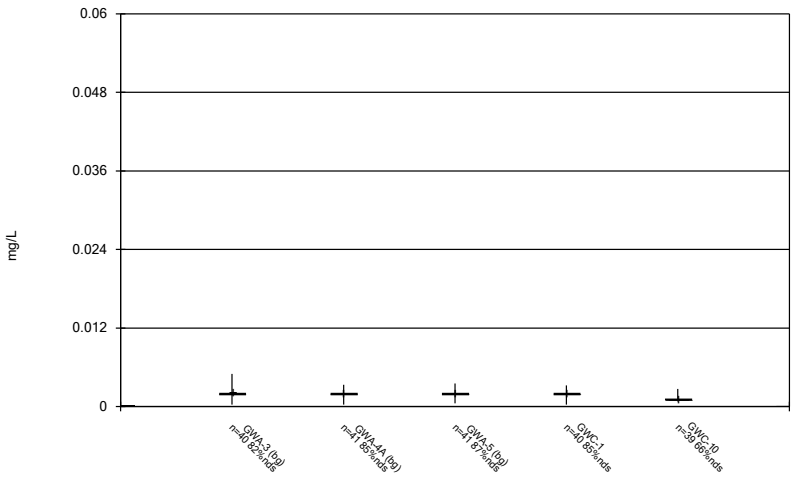


Constituent: Vanadium Analysis Run 3/7/2023 10:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

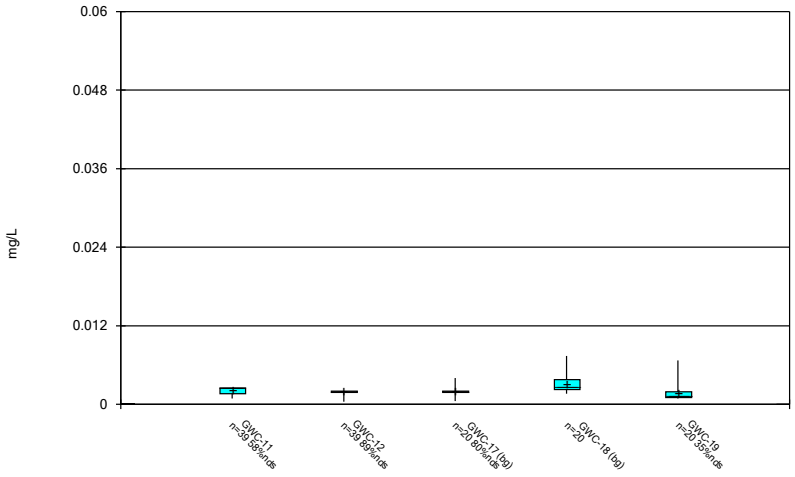


Constituent: Vanadium Analysis Run 3/7/2023 10:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Box & Whiskers Plot

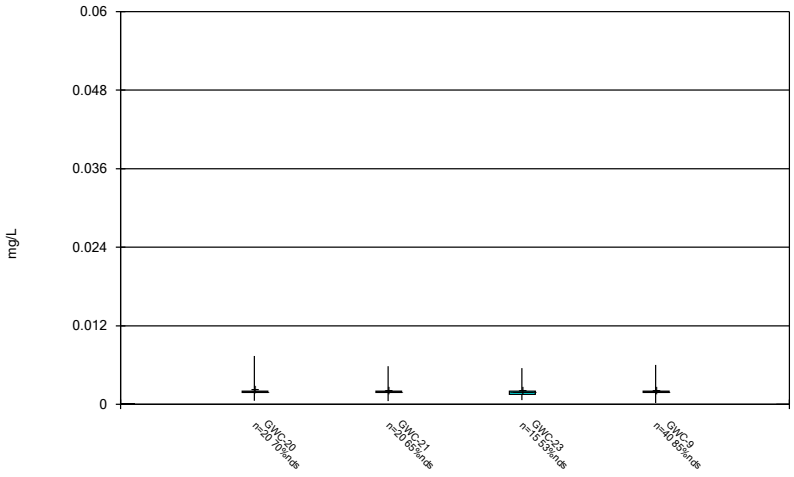


Constituent: Vanadium Analysis Run 3/7/2023 10:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

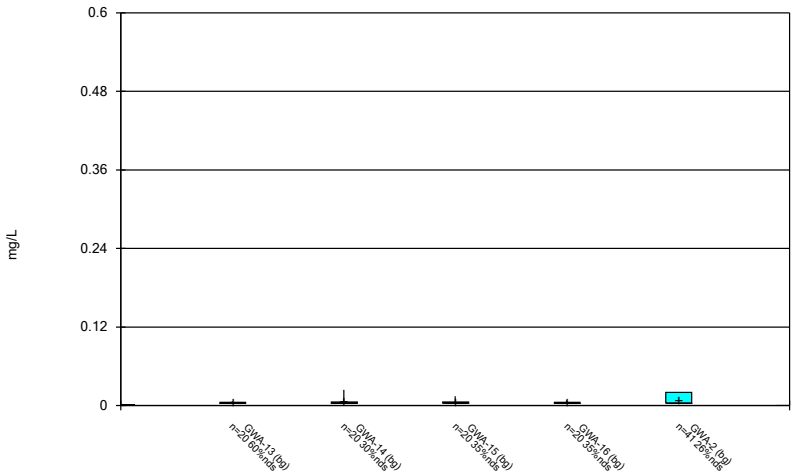
Box & Whiskers Plot



Constituent: Vanadium Analysis Run 3/7/2023 10:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

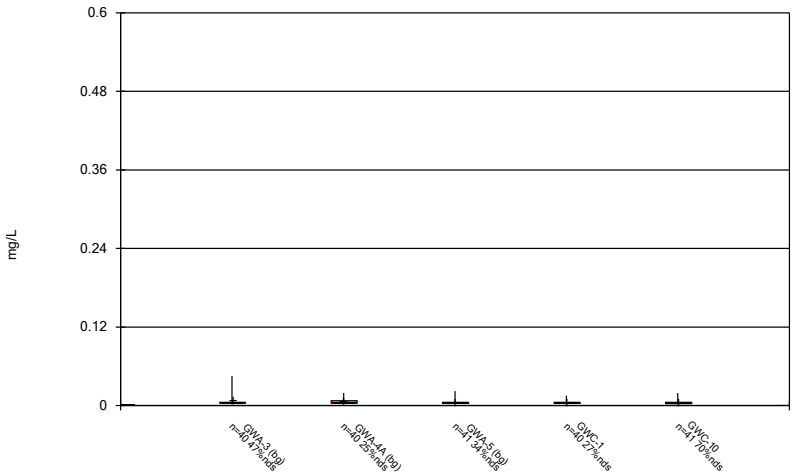
Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/7/2023 10:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

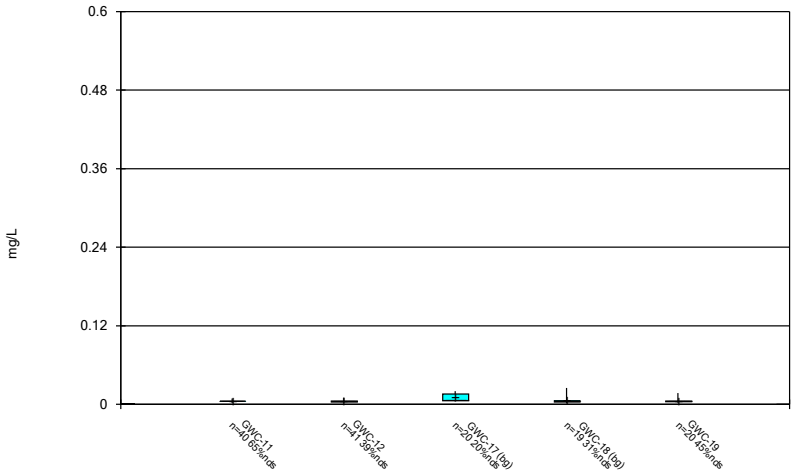
Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/7/2023 10:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

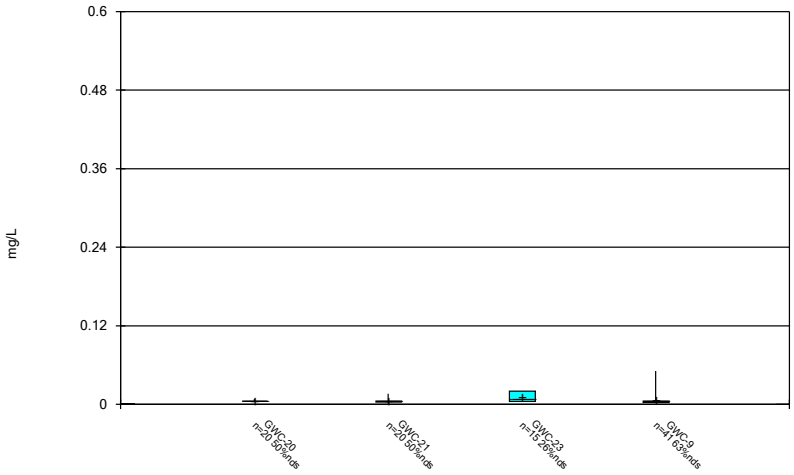
Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/7/2023 10:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/7/2023 10:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

FIGURE C.

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:29 AM

	GWA-3 Arsenic (mg/L)	GWA-3 Barium (mg/L)	GWA-5 Barium (mg/L)	GWC-11 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)	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)						
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)		<0.01 (o)			
6/16/2016										
9/27/2016										
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 3/7/2023, 10:29 AM

	GWC-1 Chromium (mg/L)	GWC-21 Chromium (mg/L)	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)
8/25/2004										0.0056 (o)
9/11/2004										
12/7/2005										
7/6/2007										
6/20/2008										
12/7/2008	0.072 (O)									
1/5/2011				0.0066 (o)			0.014 (o)		0.014 (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										
9/27/2016		0.35 (o)				0.015 (o)				
1/12/2017										
1/13/2017										
1/24/2017										
1/30/2019										
3/27/2019										
9/15/2020										

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:29 AM

	GWA-3 Nickel (mg/L)	GWA-5 Selenium (mg/L)	GWC-18 Sulfate (mg/L)	GWC-23 Sulfate (mg/L)	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)
8/25/2004										
9/11/2004	0.03 (O)									
12/7/2005										
7/6/2007										
6/20/2008							0.0093 (o)			
12/7/2008										
1/5/2011	0.025 (O)				0.056 (O)					0.057 (O)
7/11/2012										
1/19/2013										
1/14/2016										
4/20/2016										
6/16/2016			9 (O)	9.2 (o)						
9/27/2016										
1/12/2017						0.0087 (o)	0.01 (o)	0.0075 (o)		
1/13/2017									0.0091 (o)	
1/24/2017		0.025 (o)								
1/30/2019										
3/27/2019						0.0065 (o)		0.0078 (o)		
9/15/2020										

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:29 AM

	GWA-4A Zinc (mg/L)	GWC-11 Zinc (mg/L)	GWC-18 Zinc (mg/L)
8/25/2004			
9/11/2004			
12/7/2005	0.06 (O)		
7/6/2007			
6/20/2008			
12/7/2008		0.041 (O)	
1/5/2011			
7/11/2012			
1/19/2013			
1/14/2016			
4/20/2016			
6/16/2016			
9/27/2016			
1/12/2017			
1/13/2017			
1/24/2017			
1/30/2019			0.5 (o)
3/27/2019			
9/15/2020			

FIGURE D.

Appendix I Intrawell Prediction Limits - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

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**	**2/7/2023**	**0.0015**	**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**	**2/7/2023**	**0.0063**	**Yes**	**17**	**0.003746**	**0.0009541**	**41.18**	**Kaplan-Meier**	**No**	**0.0003901**	**Param Intra 1 of 2**

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

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	2/6/2023	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	2/7/2023	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	2/7/2023	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	2/7/2023	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-1	0.002	n/a	2/7/2023	0.002ND	No	44	n/a	n/a	100	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.002	n/a	2/7/2023	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	2/6/2023	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	2/7/2023	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-15	0.001	n/a	2/7/2023	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)	GWA-16	0.001	n/a	2/7/2023	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	2/7/2023	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)	GWA-4A	0.0027	n/a	2/7/2023	0.001ND	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	2/7/2023	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-1	0.001	n/a	2/7/2023	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	2/8/2023	0.001ND	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	2/8/2023	0.0017	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	2/7/2023	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)	GWC-17	0.001	n/a	2/8/2023	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	2/7/2023	0.0011	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	2/8/2023	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-20	0.001	n/a	2/8/2023	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	2/8/2023	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	2/8/2023	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)	GWC-9	0.001	n/a	2/8/2023	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	2/6/2023	0.016	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	2/7/2023	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-15	0.0298	n/a	2/7/2023	0.025	No	23	0.02488	0.002035	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-16	0.039	n/a	2/7/2023	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	2/7/2023	0.033	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	2/7/2023	0.012	No	41	0.1253	0.01911	0	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWA-4A	0.03912	n/a	2/7/2023	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	2/7/2023	0.039	No	26	0.04259	0.01205	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-1	0.05868	n/a	2/7/2023	0.031	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	2/8/2023	0.017	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	2/8/2023	0.011	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	2/7/2023	0.011	No	44	n/a	n/a	0	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-17	0.021	n/a	2/8/2023	0.02	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	2/7/2023	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	2/8/2023	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	2/8/2023	0.015	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	2/8/2023	0.019	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	2/8/2023	0.016	No	11	0.02973	0.007511	0	None	No	0.0003901	Param Intra 1 of 2
Barium (mg/L)	GWC-9	0.03659	n/a	2/8/2023	0.024	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	2/6/2023	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	2/7/2023	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-15	0.0025	n/a	2/7/2023	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)	GWA-16	0.0025	n/a	2/7/2023	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	2/7/2023	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	2/7/2023	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)	GWA-4A	0.0025	n/a	2/7/2023	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	2/7/2023	0.0025ND	No	46	n/a	n/a	93.48	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-1	0.0025	n/a	2/7/2023	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	2/8/2023	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	2/8/2023	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	2/7/2023	0.0025ND	No	44	n/a	n/a	81.82	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

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-17	0.001	n/a	2/8/2023	0.00071J	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	2/7/2023	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	2/8/2023	0.00022J	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	2/8/2023	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	2/8/2023	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	2/8/2023	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)	GWC-9	0.0025	n/a	2/8/2023	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	2/6/2023	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	2/7/2023	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	2/7/2023	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)	GWA-4A	0.0025	n/a	2/7/2023	0.0025ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-1	0.0025	n/a	2/7/2023	0.0025ND	No	44	n/a	n/a	100	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-17	0.0008068	n/a	2/8/2023	0.00058J	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	2/7/2023	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	2/8/2023	0.00018J	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	2/8/2023	0.00011J	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	2/8/2023	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	2/8/2023	0.00013J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-9	0.0025	n/a	2/8/2023	0.000095J	No	44	n/a	n/a	100	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-13	0.0094	n/a	2/6/2023	0.0025	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	2/7/2023	0.0021	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-15	0.0051	n/a	2/7/2023	0.0021	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-16	0.024	n/a	2/7/2023	0.0025	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	2/7/2023	0.0028	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	2/7/2023	0.0019J	No	43	-6.638	0.4673	34.88	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWA-4A	0.0096	n/a	2/7/2023	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	2/7/2023	0.002	No	45	n/a	n/a	68.89	n/a	n/a	0.0009557	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-1	0.005	n/a	2/7/2023	0.0024	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	2/8/2023	0.0038	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	0.01048	n/a	2/8/2023	0.0059	No	44	0.005681	0.002159	2.273	None	No	0.0003901	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.01	n/a	2/7/2023	0.002	No	44	n/a	n/a	18.18	n/a	n/a	0.0009963	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-17	0.01	n/a	2/8/2023	0.0044	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	2/7/2023	0.0043	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	2/8/2023	0.0026	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	2/8/2023	0.002	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	2/8/2023	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	2/8/2023	0.0033	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.0043	n/a	2/8/2023	0.0013J	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	2/6/2023	0.00049J	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	2/7/2023	0.00043J	No	23	n/a	n/a	39.13	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-15	0.0025	n/a	2/7/2023	0.0004J	No	23	n/a	n/a	17.39	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-16	0.00125	n/a	2/7/2023	0.00047J	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	2/7/2023	0.0012J	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	2/7/2023	0.00026J	No	43	n/a	n/a	79.07	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4A	0.013	n/a	2/7/2023	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	2/7/2023	0.00094J	No	46	n/a	n/a	43.48	n/a	n/a	0.0009151	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-1	0.0025	n/a	2/7/2023	0.0016J	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	2/8/2023	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	2/8/2023	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	2/7/2023	0.00058J	No	43	n/a	n/a	48.84	n/a	n/a	0.001037	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-17	0.002151	n/a	2/8/2023	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	2/7/2023	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	2/8/2023	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	2/8/2023	0.00075J	No	17	0.001572	0.0006589	0	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-21	0.002284	n/a	2/8/2023	0.00077J	No	22	0.00138	0.0003706	9.091	None	No	0.0003901	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	GWC-23	0.01076	n/a	2/8/2023	0.0014J	No	18	0.005633	0.002013	0	None	No	0.0003901	Param Intra 1 of 2
Cobalt (mg/L)	GWC-9	0.0055	n/a	2/8/2023	0.0025ND	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	2/6/2023	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	2/7/2023	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-15	0.002	n/a	2/7/2023	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-16	0.002	n/a	2/7/2023	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	2/7/2023	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	2/7/2023	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)	GWA-4A	0.0051	n/a	2/7/2023	0.002ND	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	2/7/2023	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-1	0.002	n/a	2/7/2023	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	2/8/2023	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	2/7/2023	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-17	0.0021	n/a	2/8/2023	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	2/7/2023	0.002ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19	0.002	n/a	2/8/2023	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	2/8/2023	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	2/8/2023	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	2/8/2023	0.002ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.0021	n/a	2/8/2023	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	2/6/2023	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	2/7/2023	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	2/7/2023	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**	**2/7/2023**	**0.0015**	**Yes**	**44**	**n/a**	**n/a**	**97.73**	**n/a**	**n/a**	**0.0009963**	**NP Intra (NDs) 1 of 2**
Lead (mg/L)	GWA-3	0.001	n/a	2/7/2023	0.001ND	No	43	n/a	n/a	100	n/a	n/a	0.001037	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4A	0.001	n/a	2/7/2023	0.001ND	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	2/7/2023	0.001ND	No	46	n/a	n/a	91.3	n/a	n/a	0.0009151	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	2/8/2023	0.001ND	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	2/7/2023	0.00035J	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	2/8/2023	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	2/8/2023	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	2/8/2023	0.001ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-13	0.001	n/a	2/6/2023	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	2/7/2023	0.00061J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-15	0.001	n/a	2/7/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-16	0.001	n/a	2/7/2023	0.00054J	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	2/7/2023	0.00083J	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	2/7/2023	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)	GWA-4A	0.0072	n/a	2/7/2023	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	2/7/2023	0.00046J	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-1	0.0025	n/a	2/7/2023	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	2/8/2023	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	2/8/2023	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	2/7/2023	0.00082J	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-17	0.004264	n/a	2/8/2023	0.0017	No	17	0.04572	0.007587	5.882	None	sqrt(x)	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.0025	n/a	2/7/2023	0.0011	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	0.002851	n/a	2/8/2023	0.0012	No	17	0.001691	0.0004494	5.882	None	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-20	0.006632	n/a	2/8/2023	0.00083J	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	2/8/2023	0.00064J	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	2/8/2023	0.0013	No	12	0.001522	0.0005802	16.67	Kaplan-Meier	No	0.0003901	Param Intra 1 of 2
Nickel (mg/L)	GWC-9	0.0033	n/a	2/8/2023	0.00084J	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	2/6/2023	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-15	0.005	n/a	2/7/2023	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	2/7/2023	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	2/7/2023	0.005ND	No	44	n/a	n/a	93.18	n/a	n/a	0.0009963	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWA-3	0.005	n/a	2/7/2023	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)	GWA-4A	0.005	n/a	2/7/2023	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	2/7/2023	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-1	0.005	n/a	2/7/2023	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	2/8/2023	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	2/8/2023	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)	GWC-18	0.005	n/a	2/7/2023	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	2/8/2023	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	2/8/2023	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	2/8/2023	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-9	0.0058	n/a	2/8/2023	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	2/8/2023	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	2/6/2023	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	2/7/2023	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	2/7/2023	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	2/7/2023	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	2/7/2023	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-4A	0.001	n/a	2/7/2023	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	2/7/2023	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-10	0.001	n/a	2/8/2023	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	2/8/2023	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-12	0.001	n/a	2/7/2023	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	2/8/2023	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	2/7/2023	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	2/8/2023	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	2/8/2023	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	2/8/2023	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	2/8/2023	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)	GWC-9	0.001	n/a	2/8/2023	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	2/6/2023	0.002ND	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	2/7/2023	0.002ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-15	0.0041	n/a	2/7/2023	0.002ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-16	0.002	n/a	2/7/2023	0.002ND	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	2/7/2023	0.002ND	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	2/7/2023	0.002ND	No	37	n/a	n/a	81.08	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4A	0.0033	n/a	2/7/2023	0.002ND	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	2/7/2023	0.002ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-1	0.0032	n/a	2/7/2023	0.002ND	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	2/8/2023	0.001J	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	2/8/2023	0.00095J	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	0.002	n/a	2/7/2023	0.002ND	No	36	n/a	n/a	91.67	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17	0.004	n/a	2/8/2023	0.002ND	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	2/7/2023	0.0038	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	2/8/2023	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	2/8/2023	0.002ND	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	2/8/2023	0.002ND	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	0.006259	n/a	2/8/2023	0.002ND	No	12	0.03924	0.01387	50	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 2
Vanadium (mg/L)	GWC-9	0.006	n/a	2/8/2023	0.002ND	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	2/6/2023	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	2/7/2023	0.0031J	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-15	0.01172	n/a	2/7/2023	0.005ND	No	17	-5.418	0.3761	35.29	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	**GWA-16**	**0.006209**	**n/a**	**2/7/2023**	**0.0063**	**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	2/7/2023	0.0051	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	2/7/2023	0.0032J	No	37	n/a	n/a	48.65	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4A	0.01481	n/a	2/7/2023	0.0031J	No	37	0.1712	0.03284	24.32	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 10:56 AM

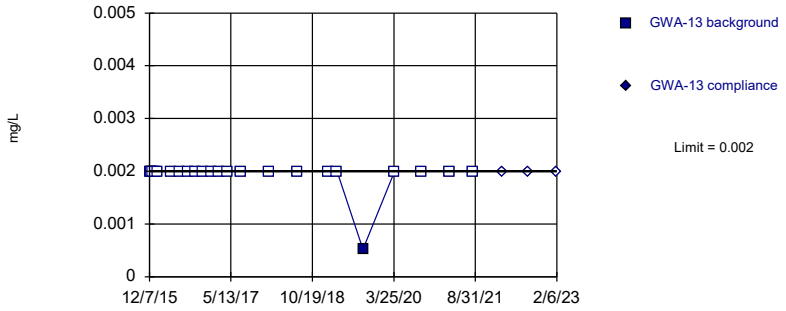
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWA-5	0.022	n/a	2/7/2023	0.0037J	No	38	n/a	n/a	34.21	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-1	0.015	n/a	2/7/2023	0.0055	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.019	n/a	2/8/2023	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	2/8/2023	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	2/7/2023	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)	GWC-17	0.02	n/a	2/8/2023	0.0061	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	2/7/2023	0.0032J	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	2/8/2023	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	2/8/2023	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)	GWC-21	0.0097	n/a	2/8/2023	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)	GWC-23	0.01473	n/a	2/8/2023	0.0046J	No	12	0.07662	0.01557	33.33	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 2
Zinc (mg/L)	GWC-9	0.051	n/a	2/8/2023	0.005ND	No	38	n/a	n/a	63.16	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

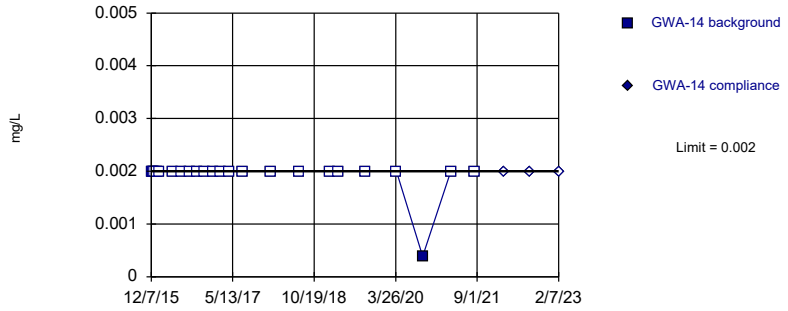
Constituent: Antimony Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

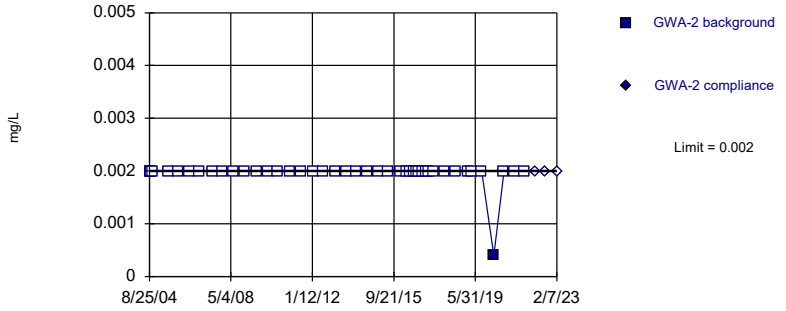
Constituent: Antimony Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

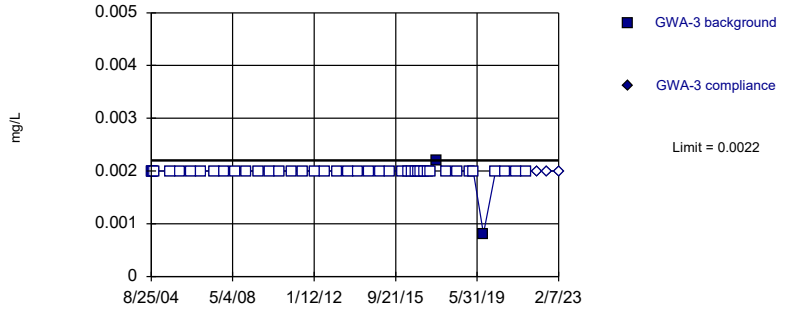
Constituent: Antimony Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

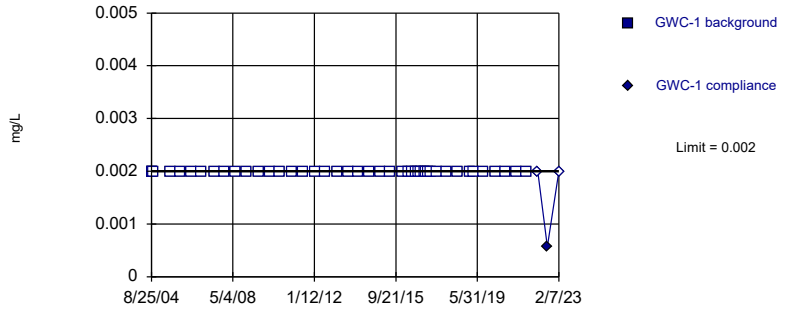
Constituent: Antimony Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 44) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

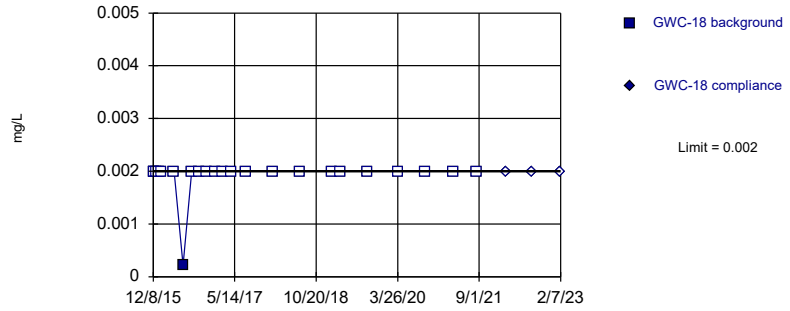
Constituent: Antimony Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

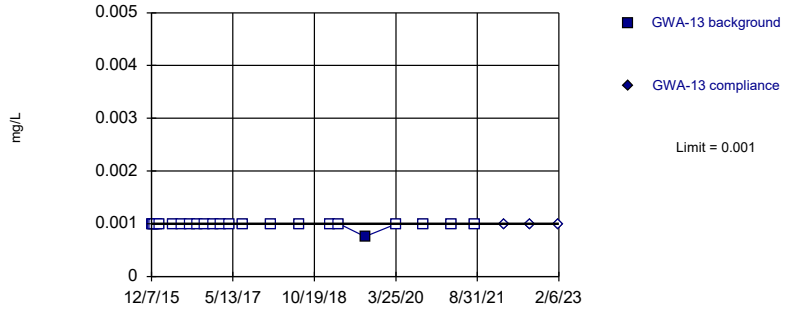
Constituent: Antimony Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

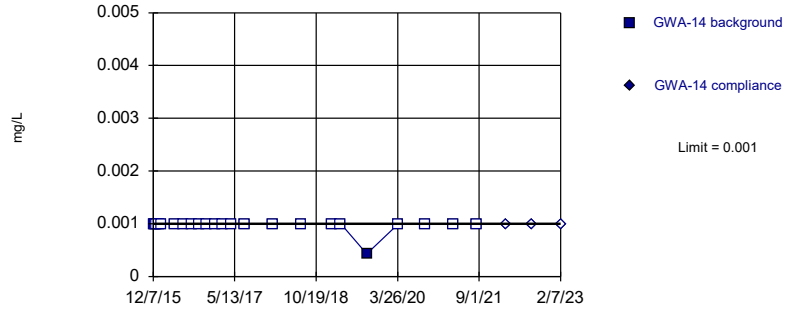
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

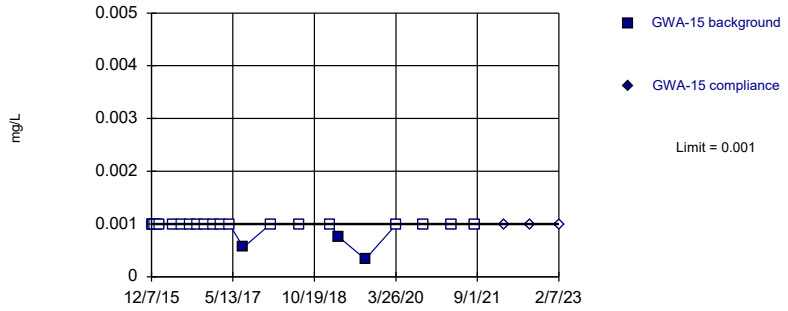
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

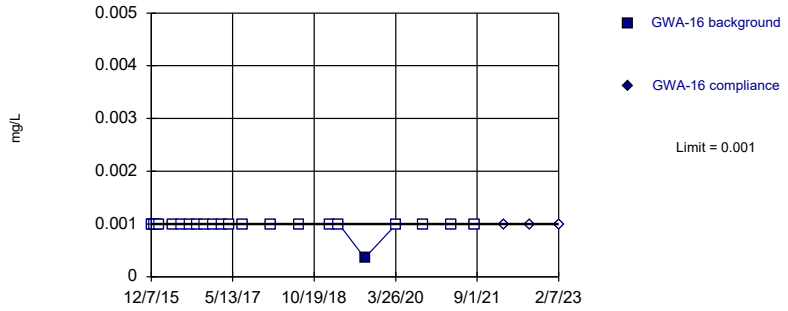
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

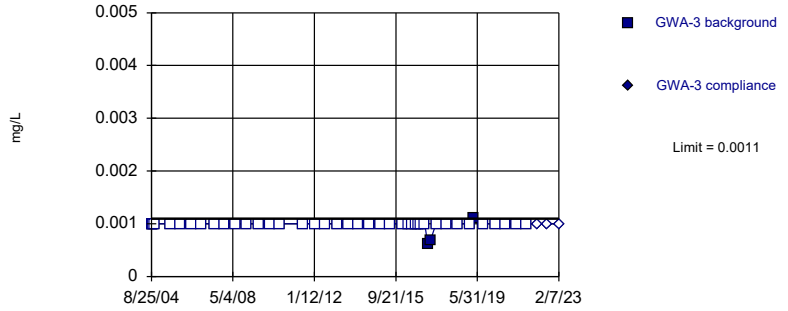
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

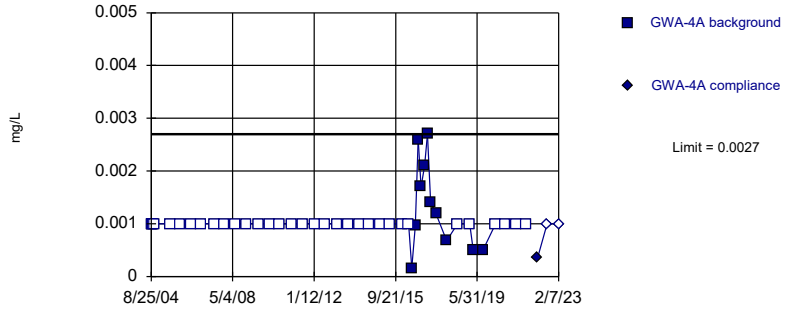
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

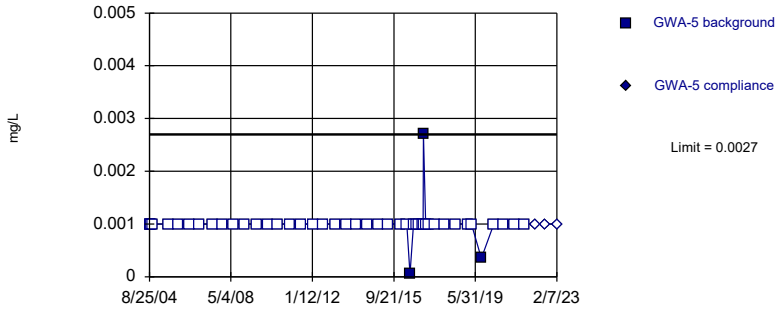
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

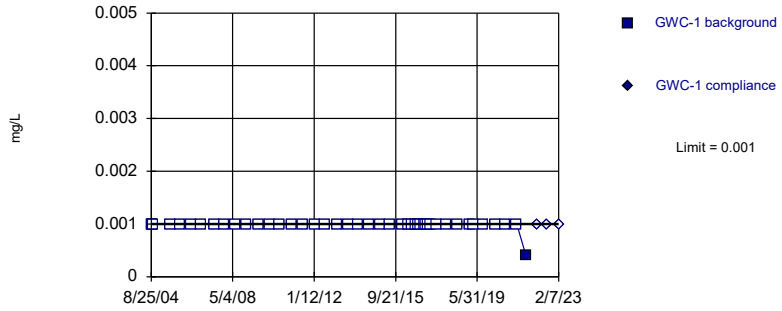
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

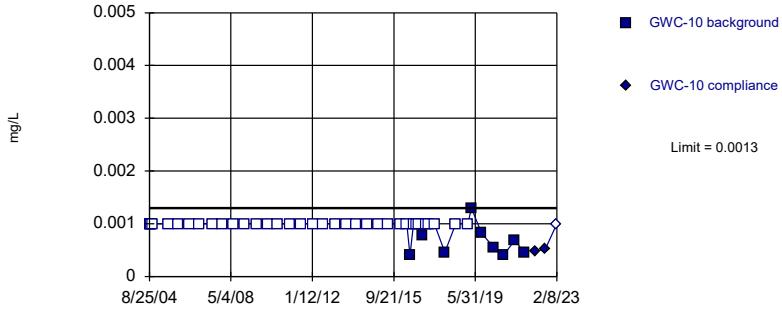
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

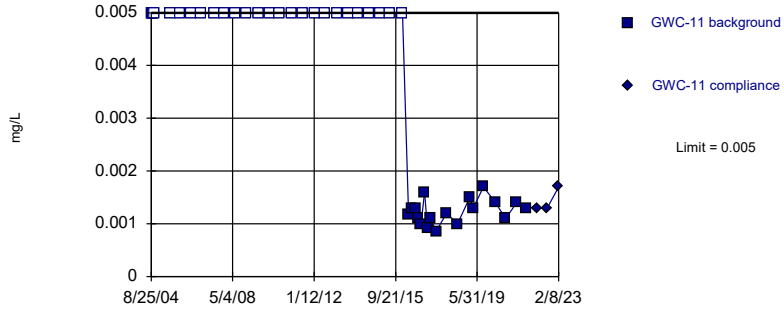
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

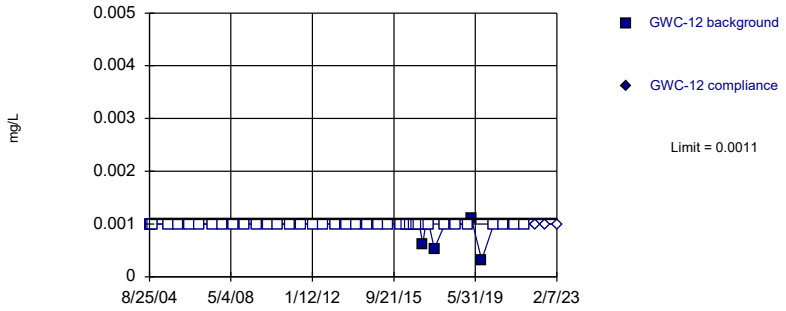
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

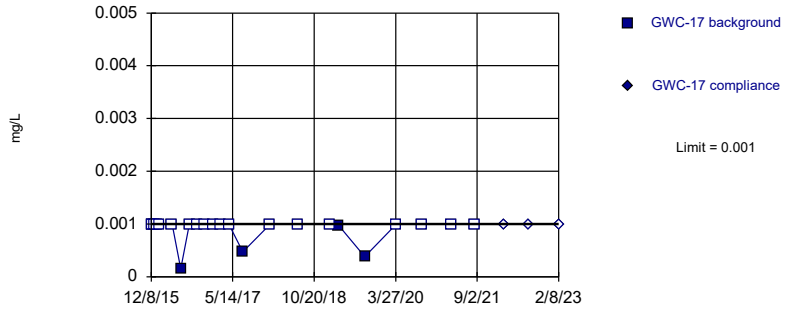
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

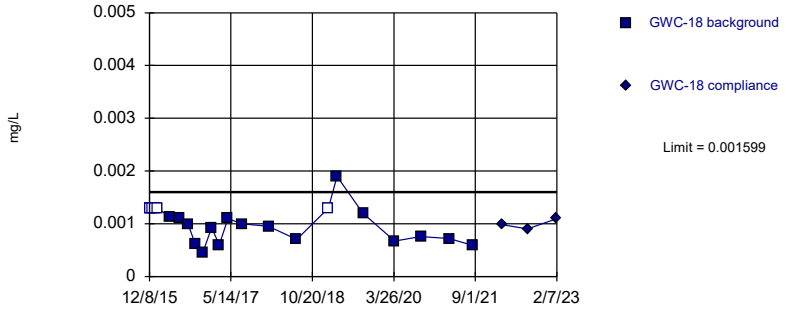
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

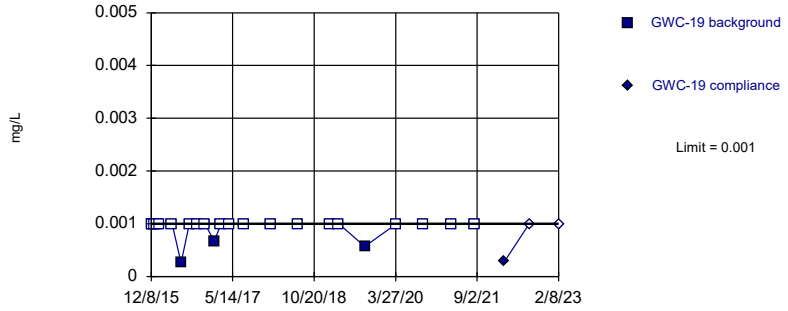
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

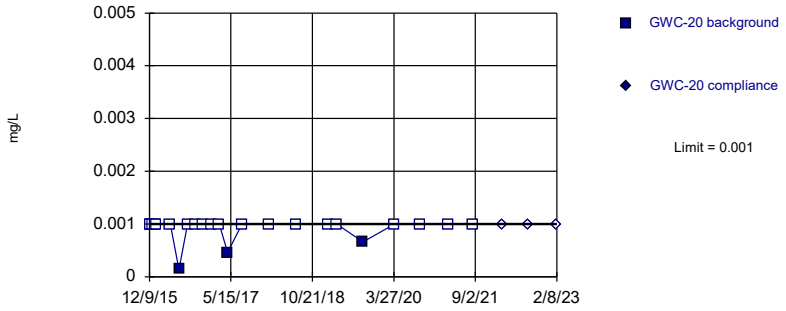
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

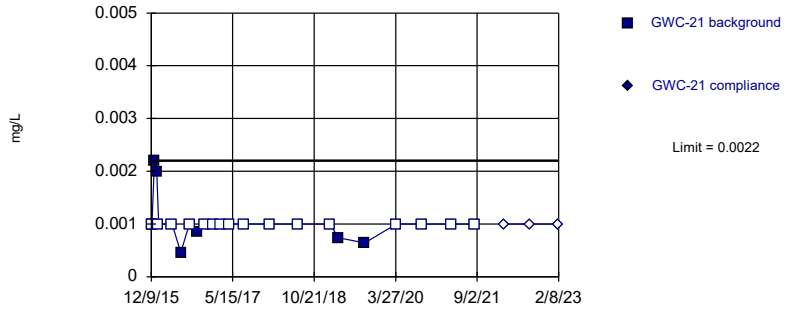
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

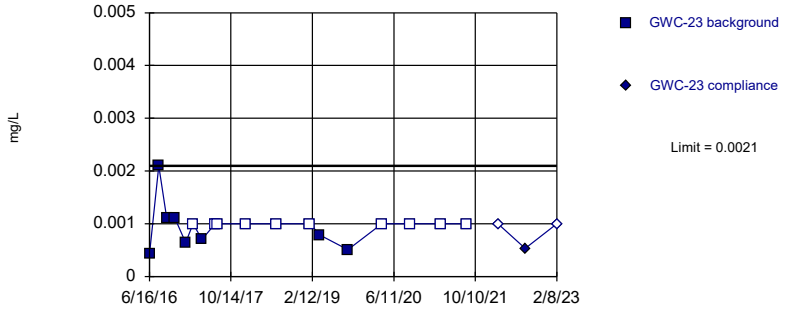
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

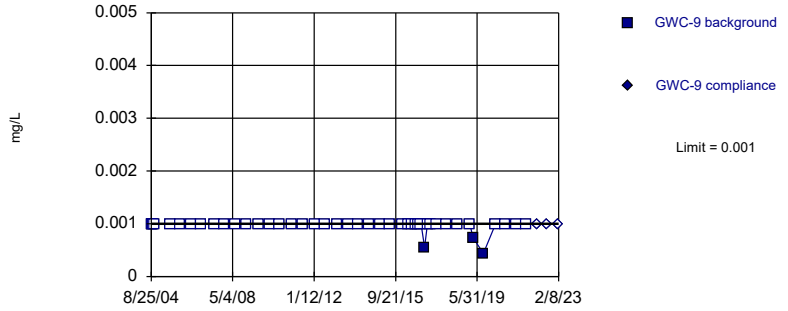
Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



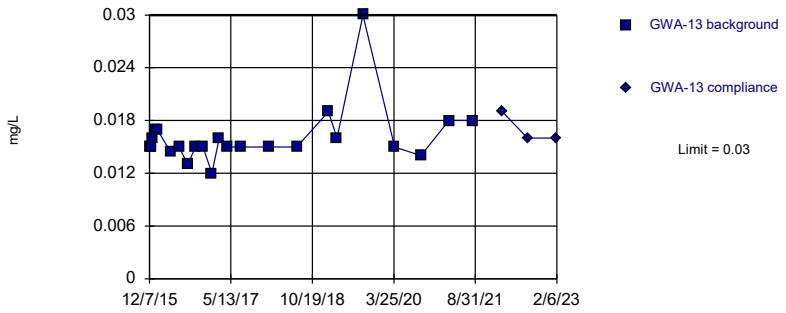
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 44 background values. 93.18% NDs. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Arsenic Analysis Run 3/7/2023 10:41 AM 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).

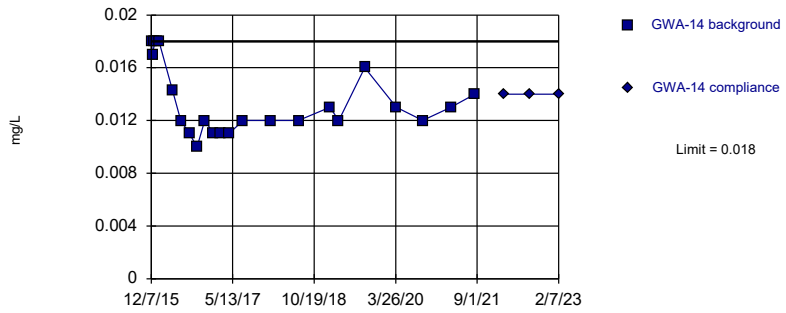
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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).

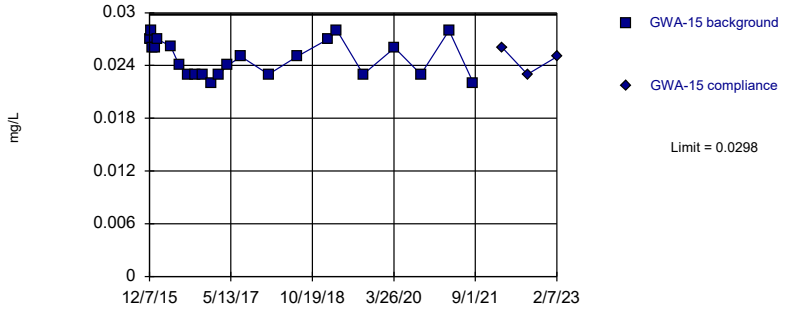
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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.

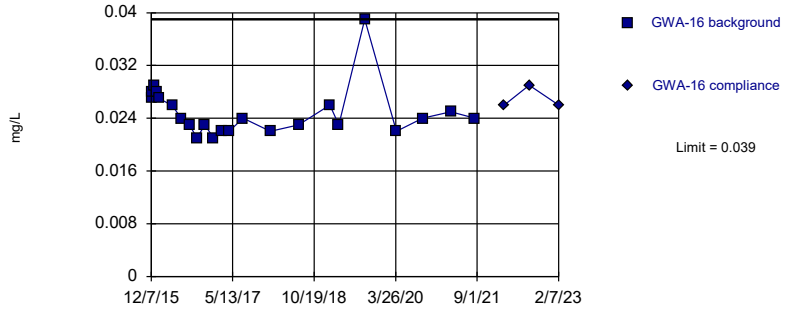
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



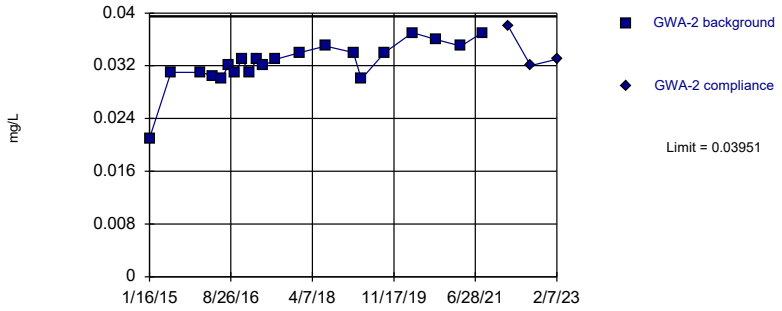
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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.

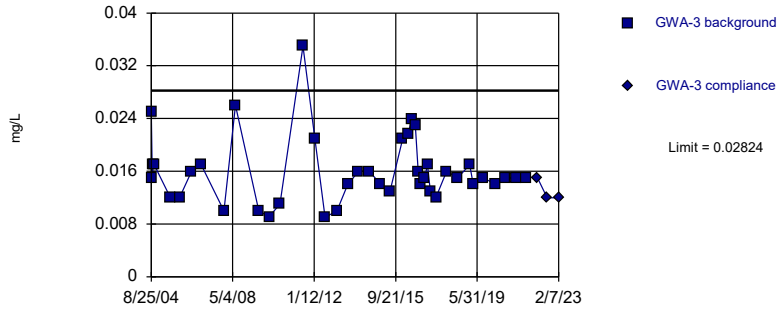
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

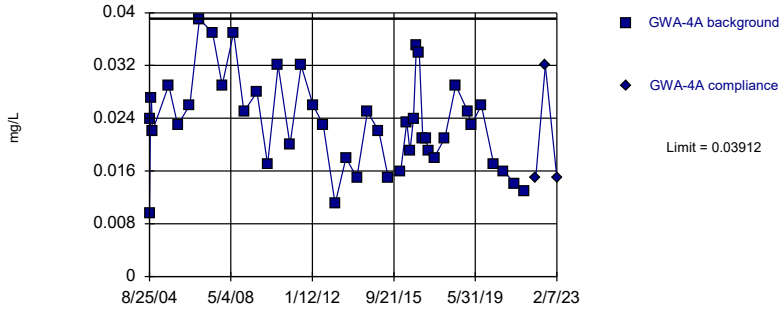
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

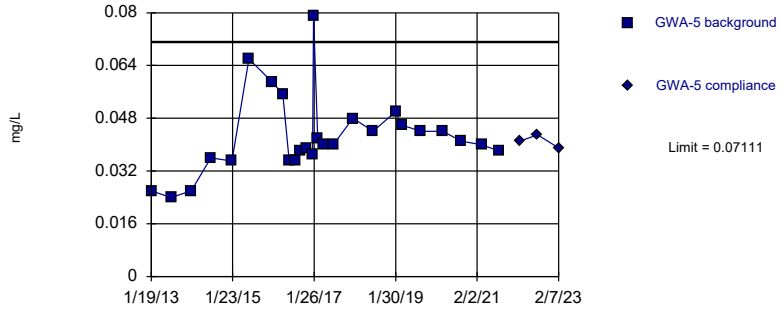
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



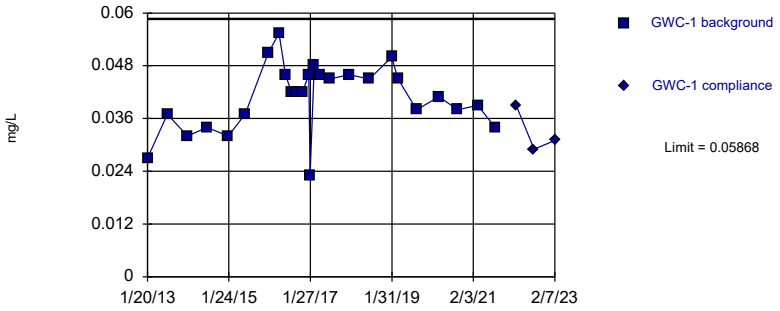
Background Data Summary: Mean=0.04259, Std. Dev.=0.01205, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8987, critical = 0.891. Kappa = 2.368 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 3/7/2023 10:41 AM 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.

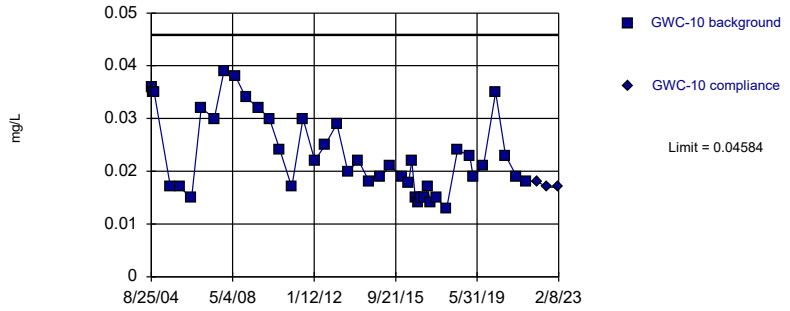
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

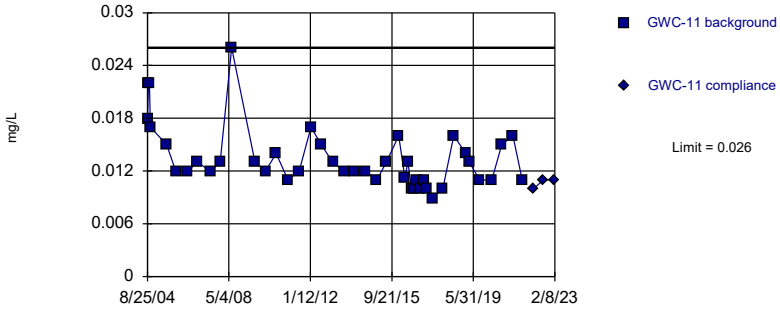
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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).

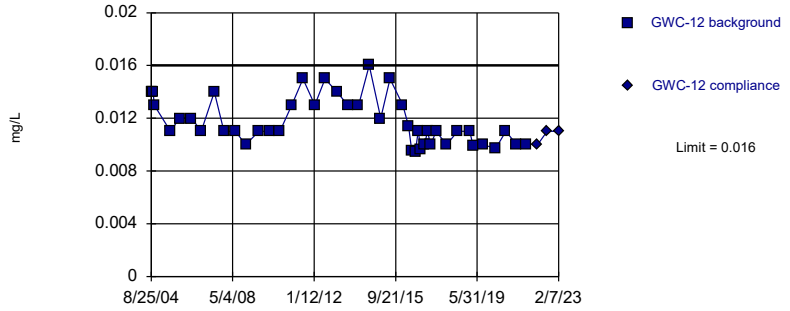
Constituent: Barium Analysis Run 3/7/2023 10:41 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



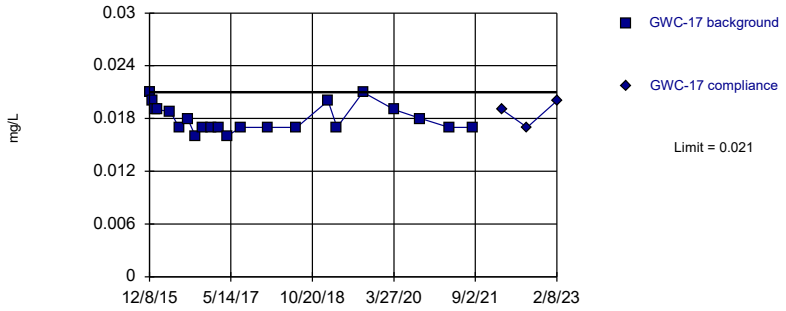
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 44 background values. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

Constituent: Barium Analysis Run 3/7/2023 10:41 AM 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).

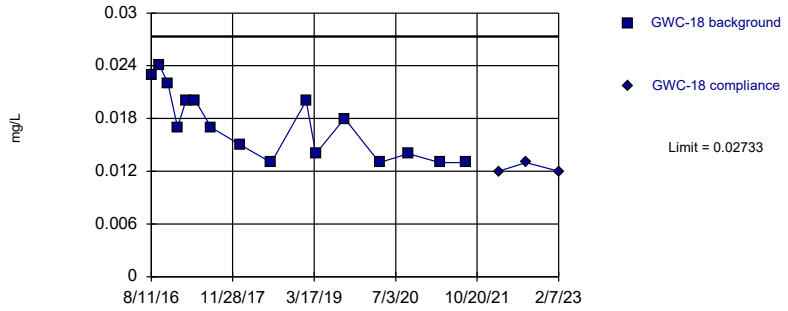
Constituent: Barium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

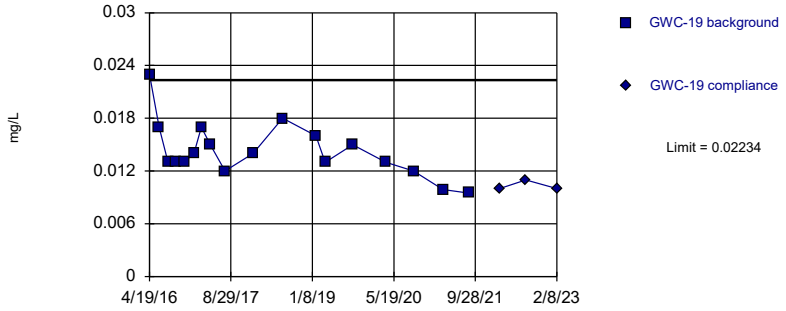
Constituent: Barium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

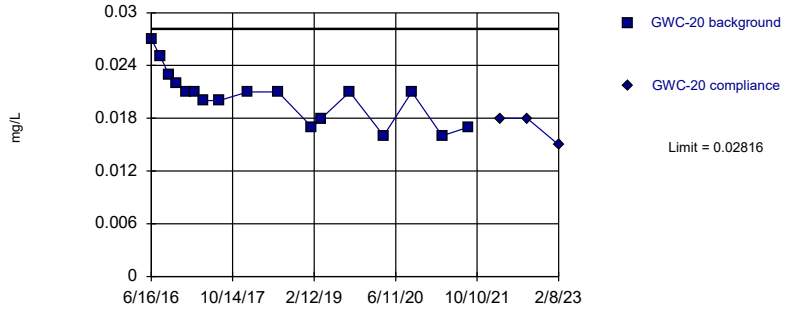
Constituent: Barium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



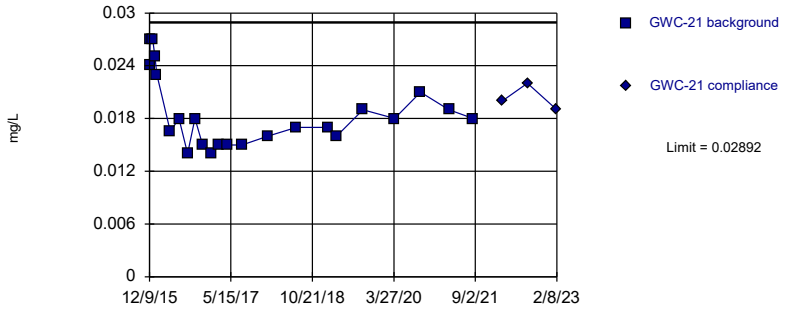
Background Data Summary: Mean=0.02041, Std. Dev.=0.003001, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9287, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



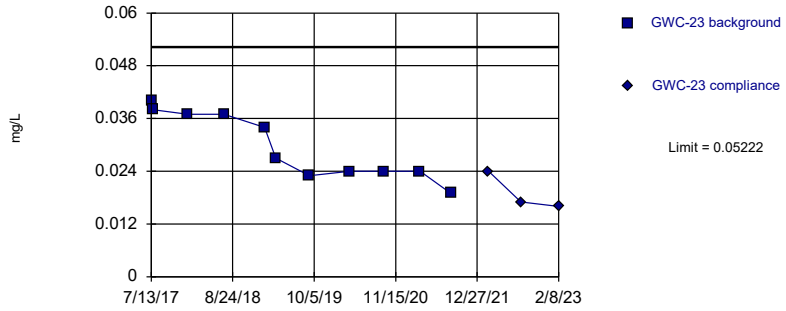
Background Data Summary (based on square root transformation): Mean=0.1356, Std. Dev.=0.01422, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.891, critical = 0.881. Kappa = 2.421 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



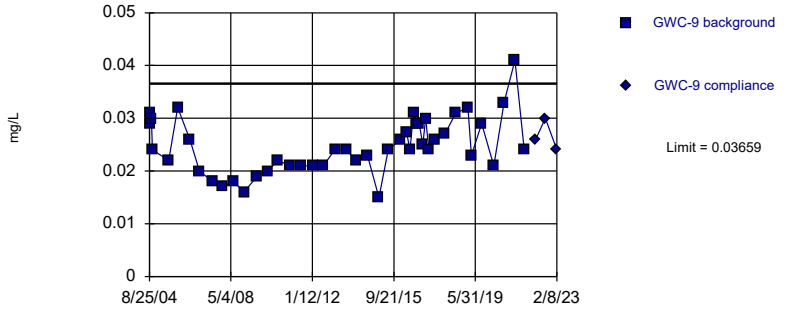
Background Data Summary: Mean=0.02973, Std. Dev.=0.007511, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8755, critical = 0.792. Kappa = 2.994 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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.

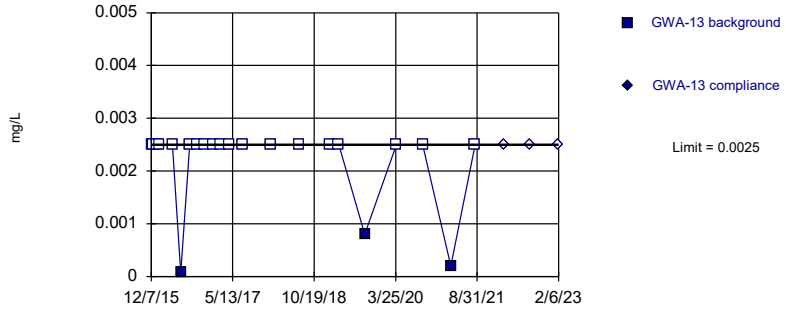
Constituent: Barium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

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 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

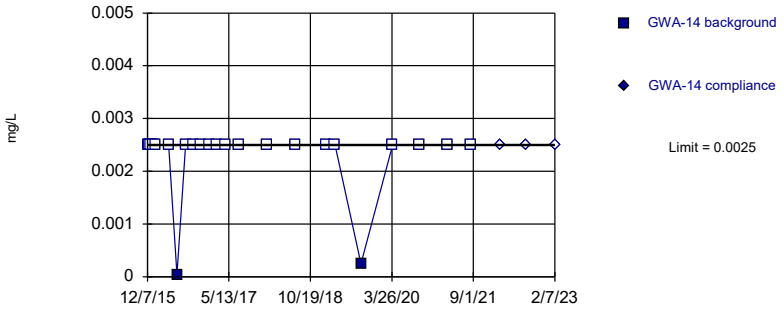
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

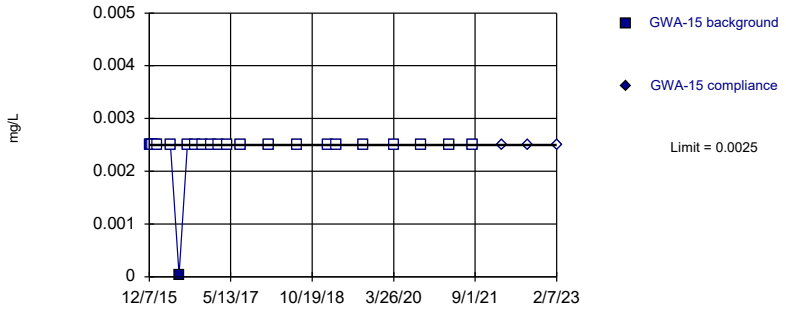
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

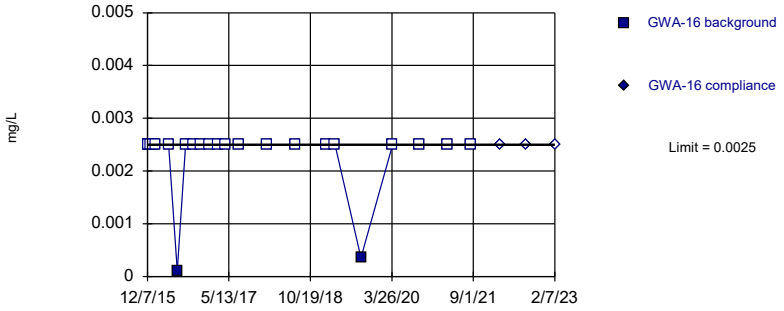
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

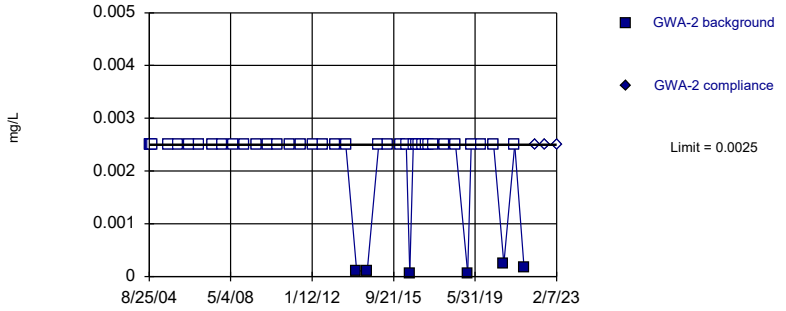
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

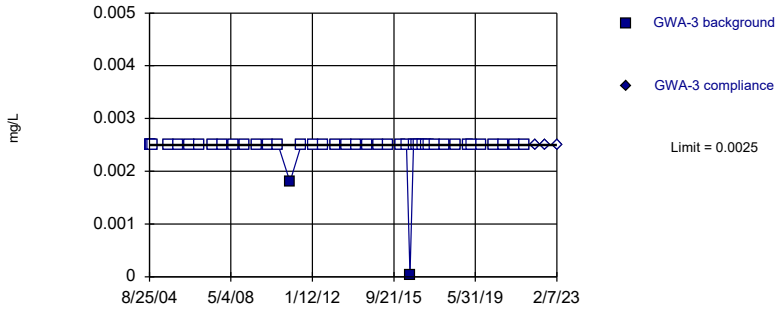
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

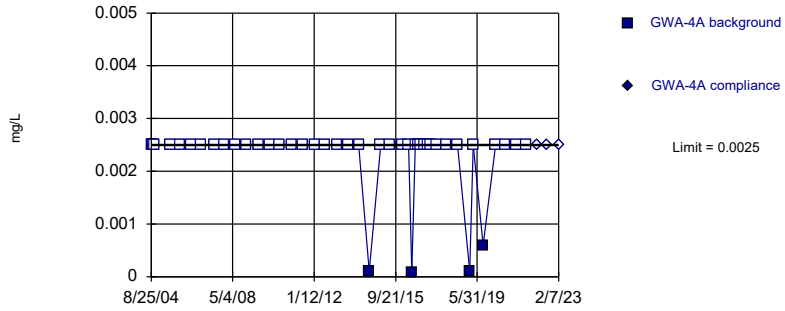
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

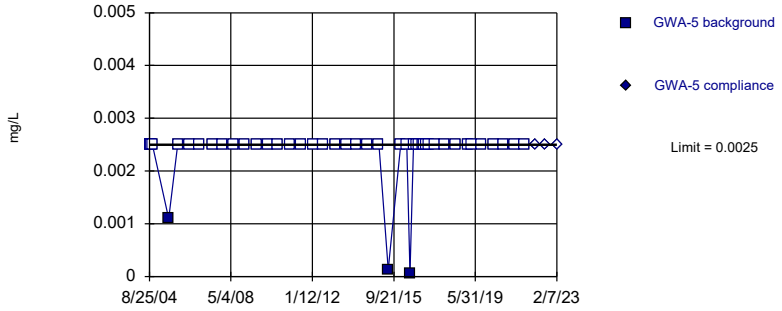
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

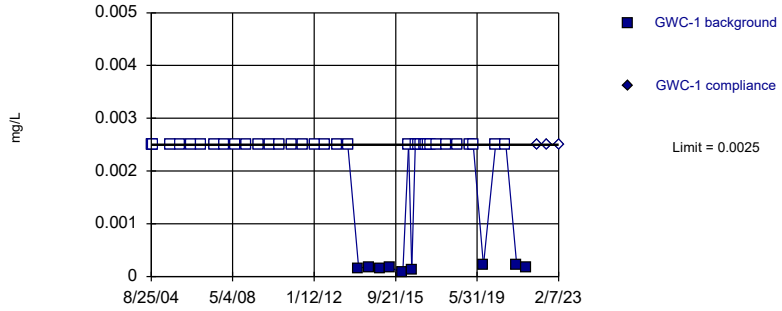
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

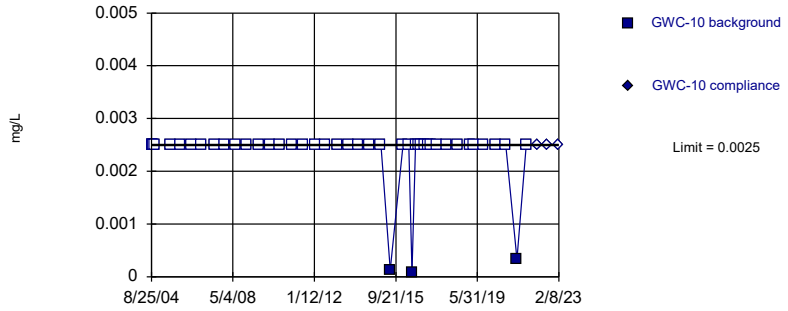
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

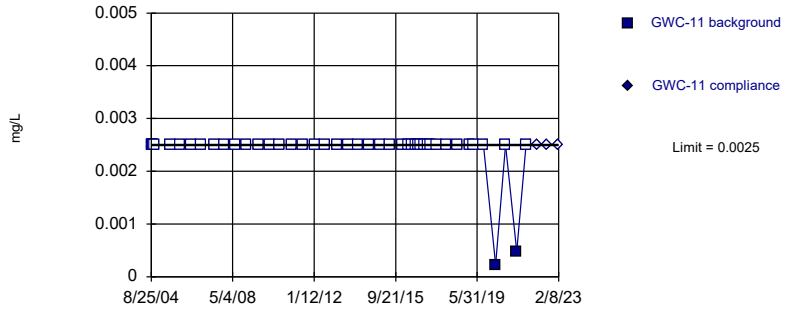
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

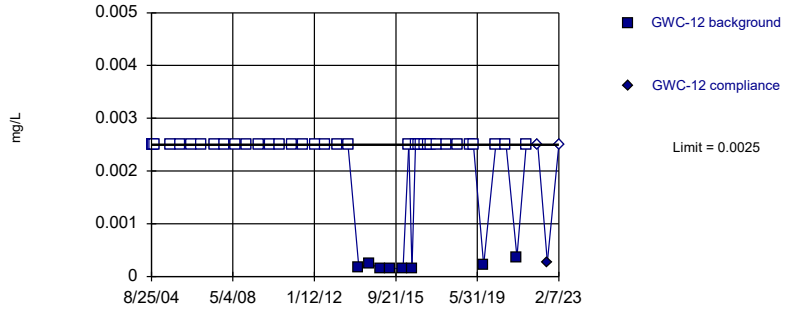
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

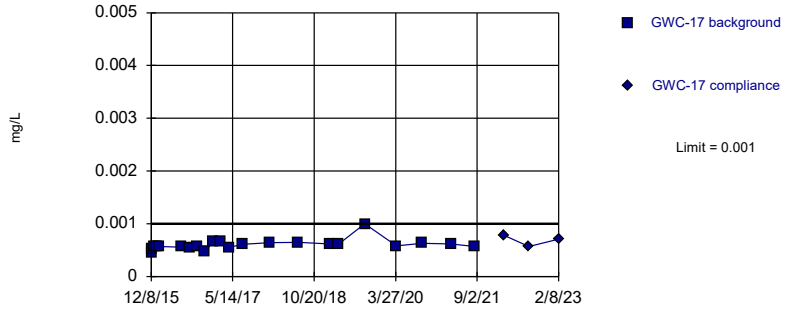
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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).

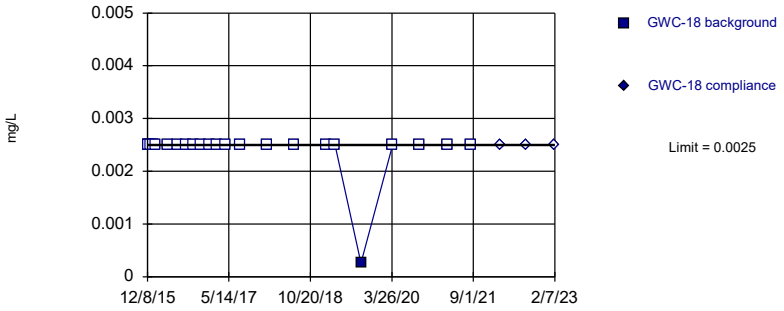
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

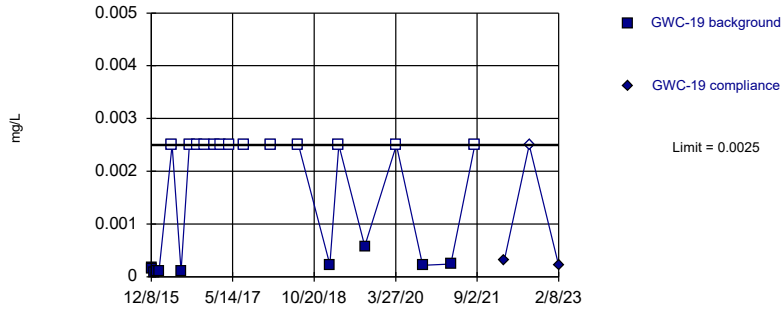
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

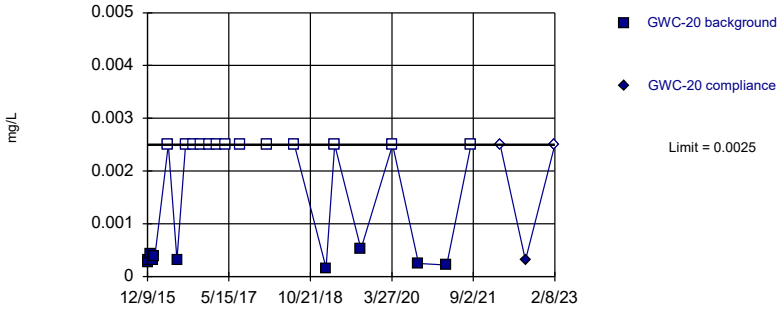
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

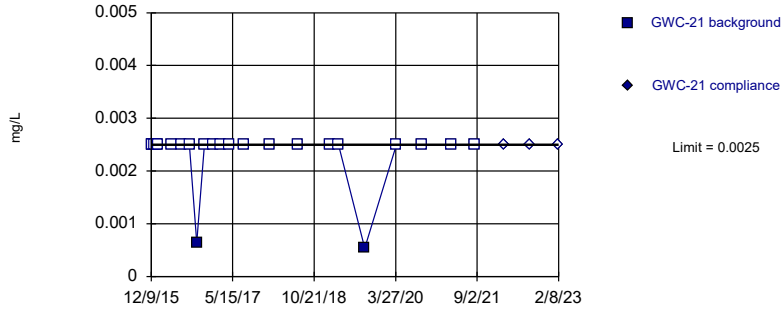
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

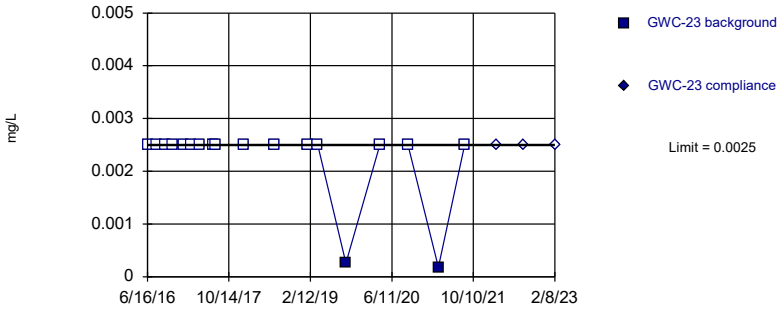
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

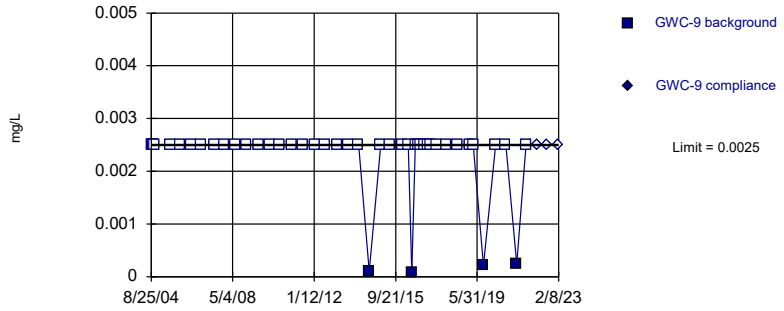
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

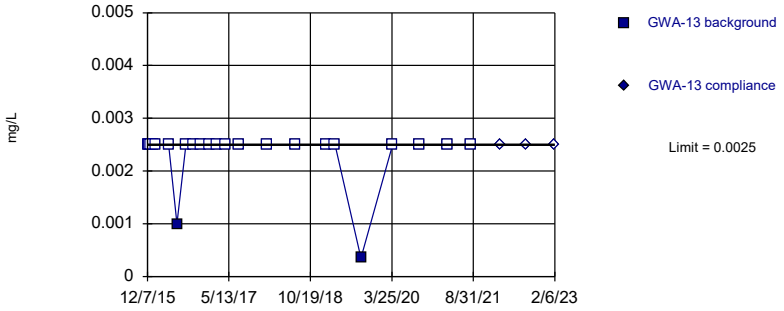
Constituent: Beryllium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

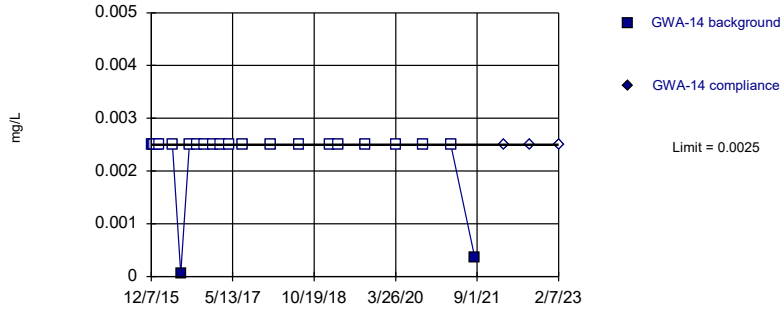
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

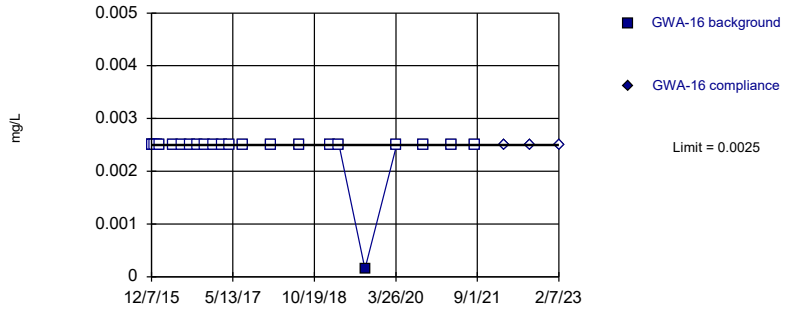
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

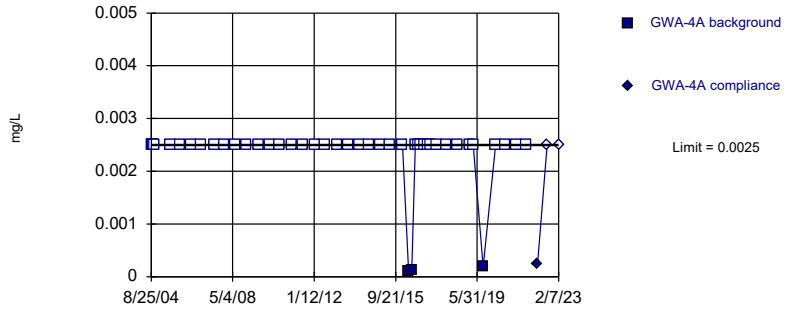
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

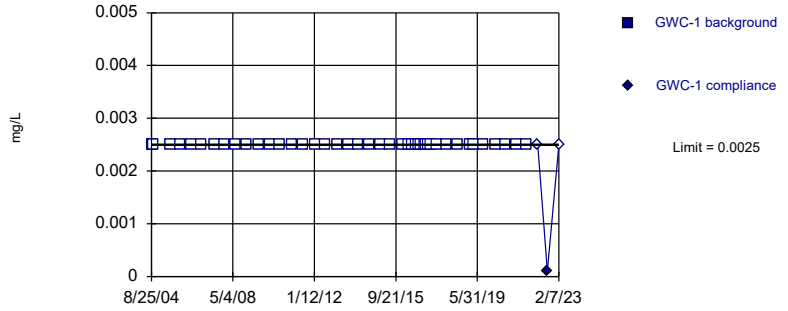
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 44) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

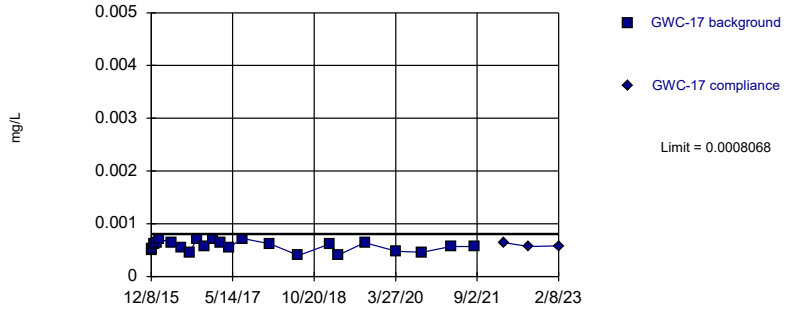
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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.

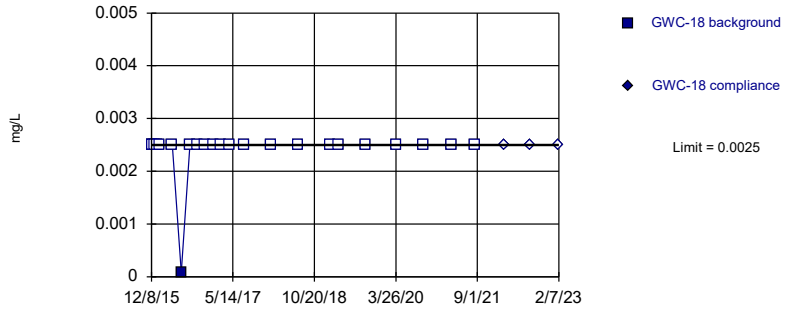
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

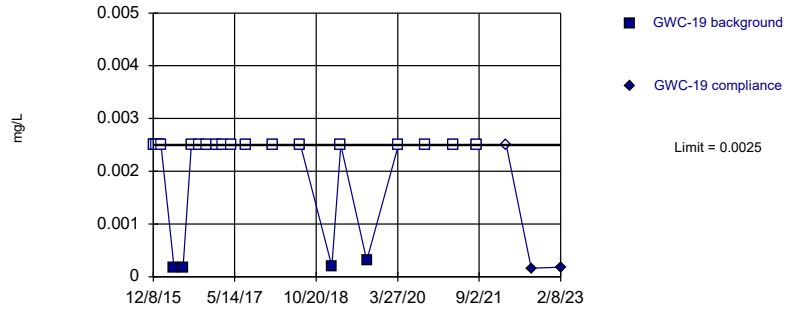
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

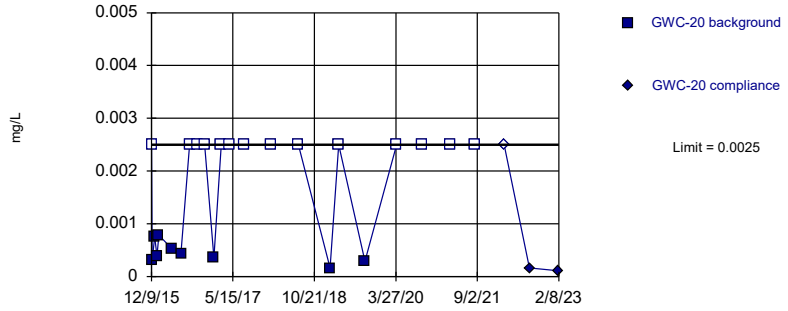
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

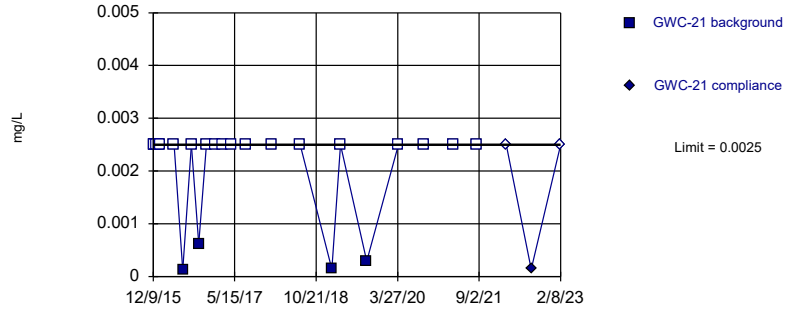
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

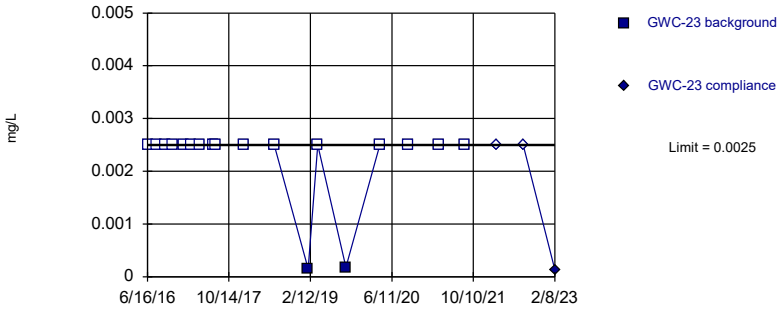
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

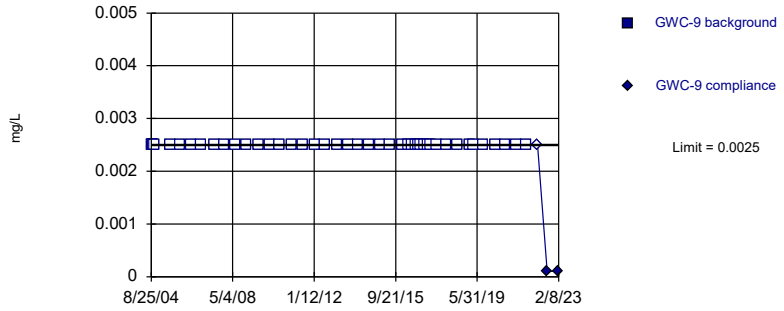
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 44) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001992. Individual comparison alpha = 0.0009963 (1 of 2).

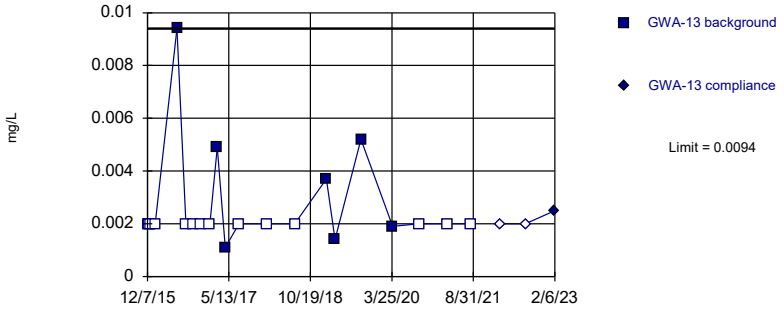
Constituent: Cadmium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

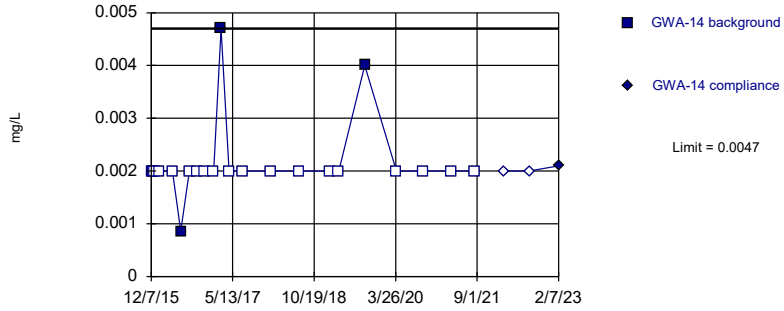
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

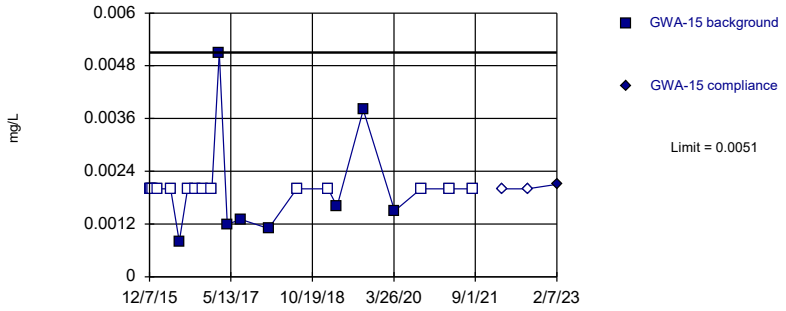
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

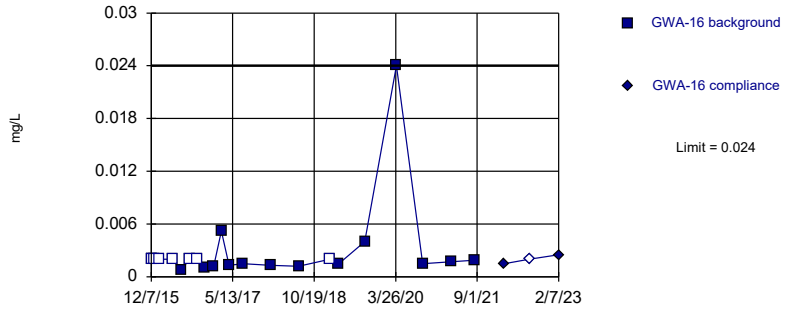
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

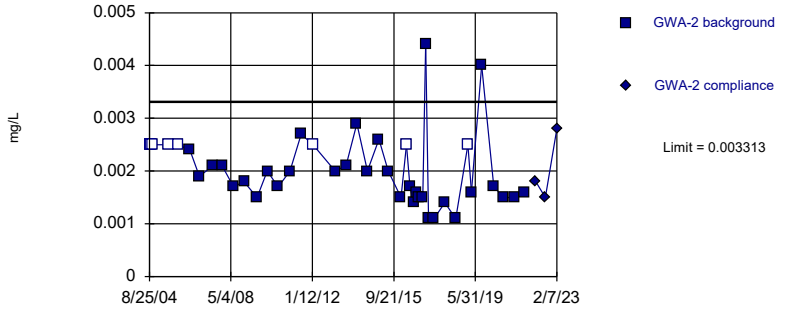
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

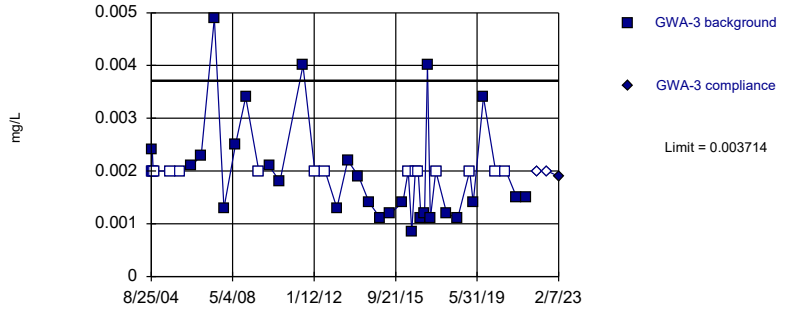
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

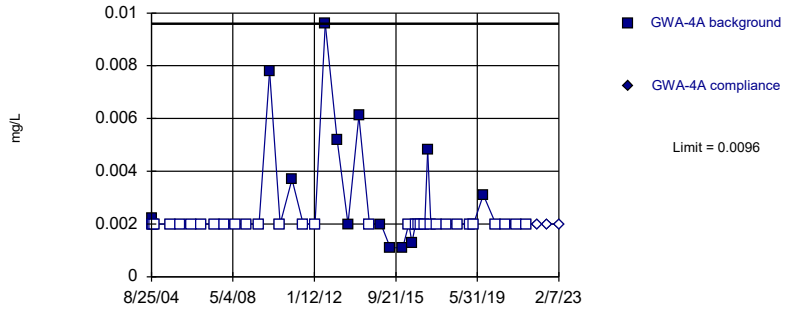
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

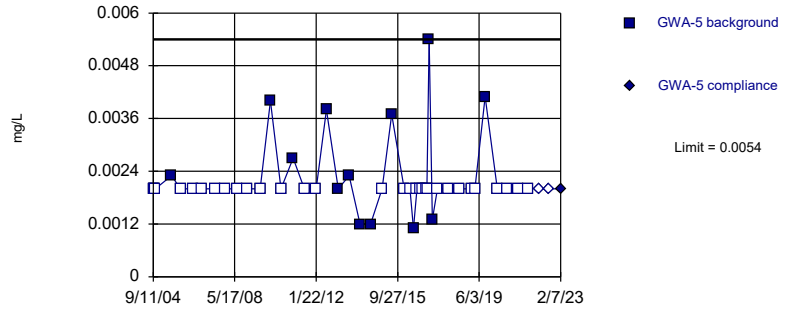
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

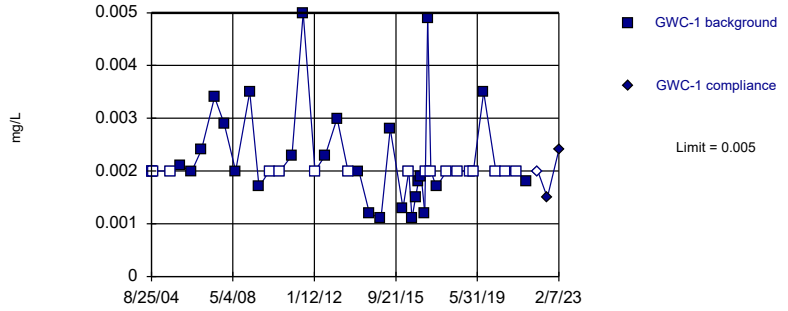
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

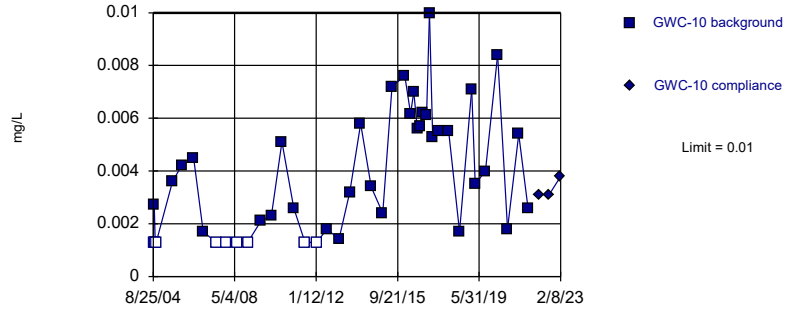
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

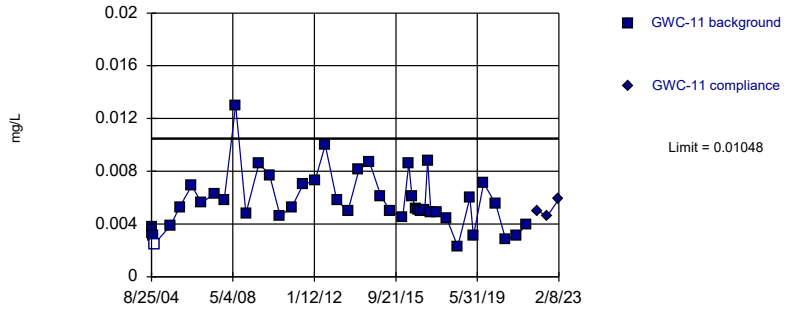
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.005681, Std. Dev.=0.002159, n=44, 2.273% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9378, critical = 0.924. Kappa = 2.225 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

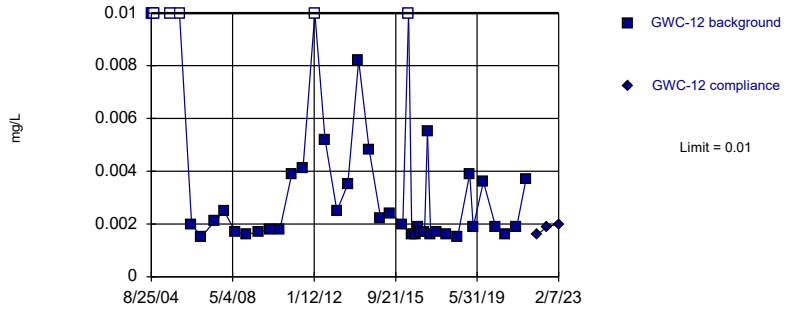
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

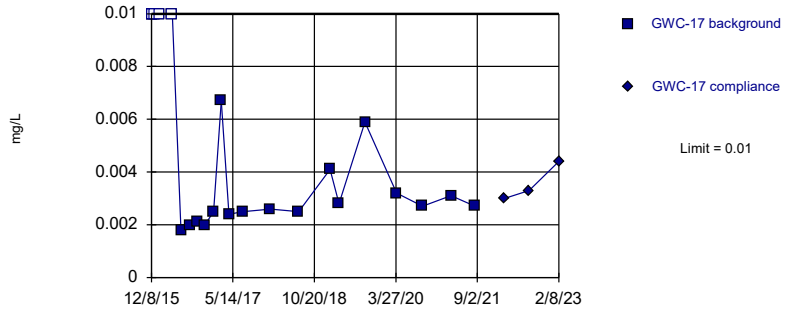
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

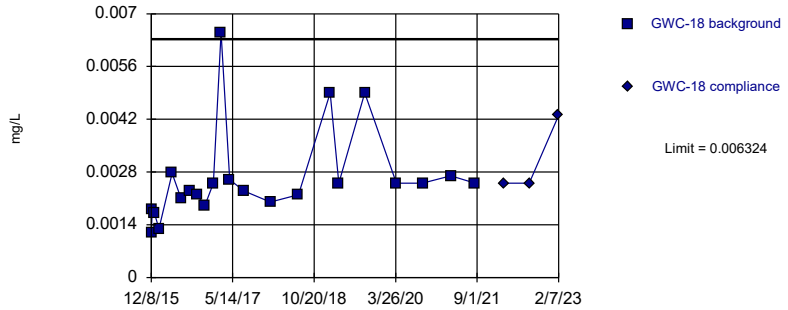
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

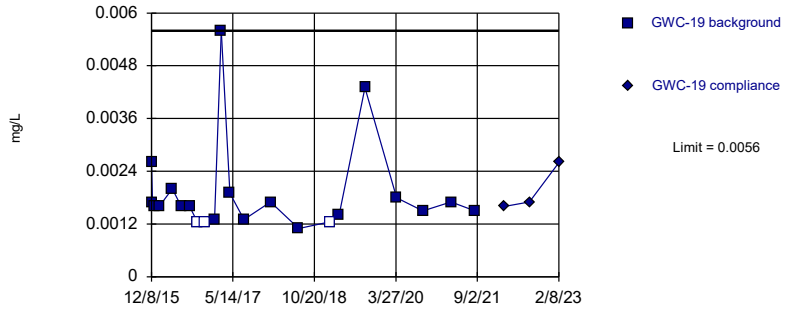
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

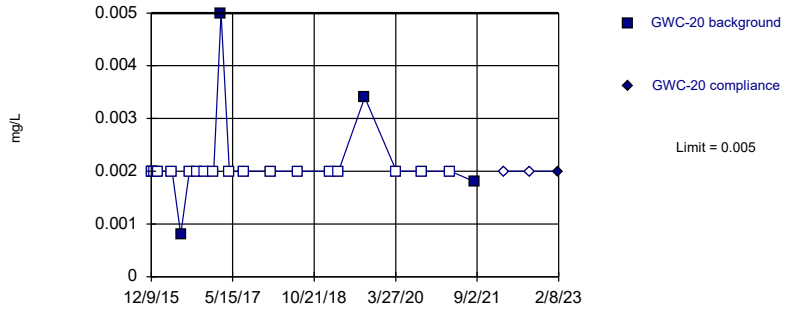
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

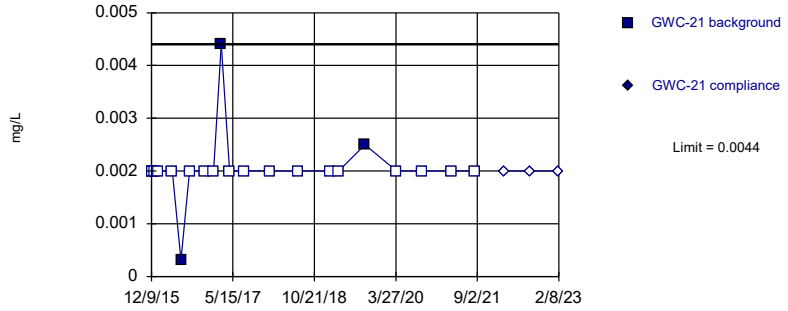
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

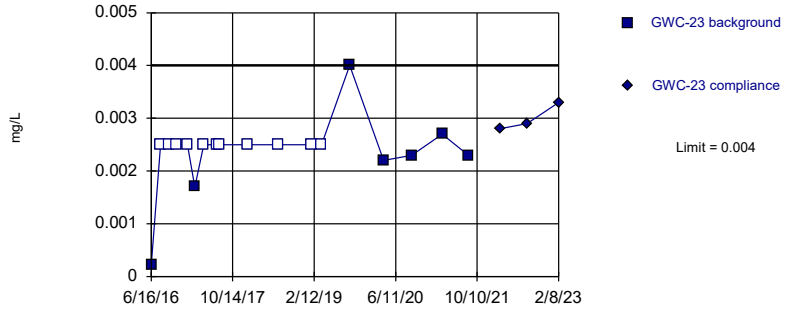
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

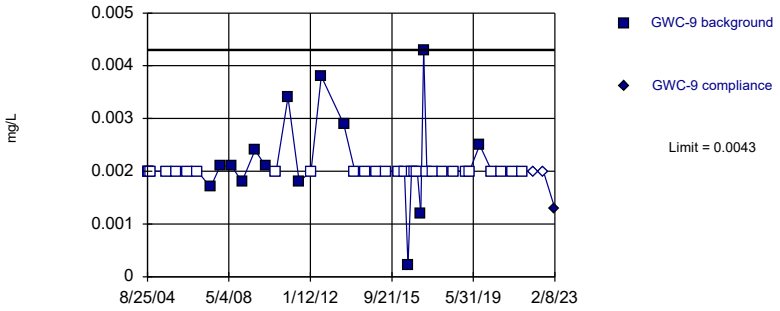
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

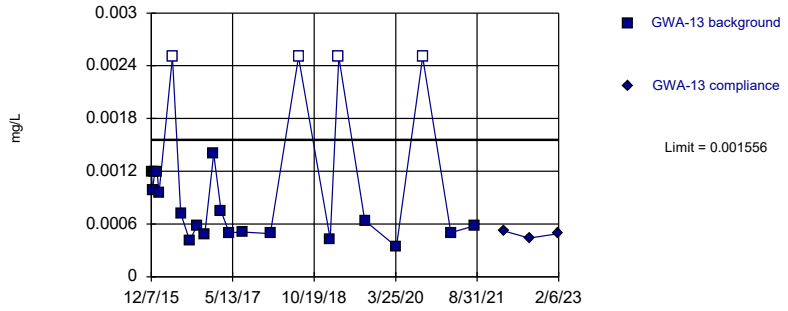
Constituent: Chromium Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

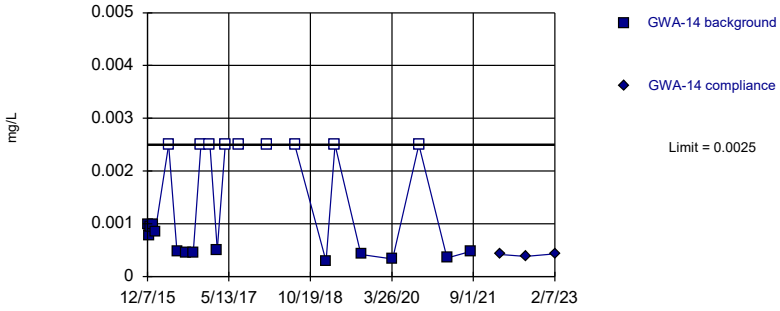
Constituent: Cobalt Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

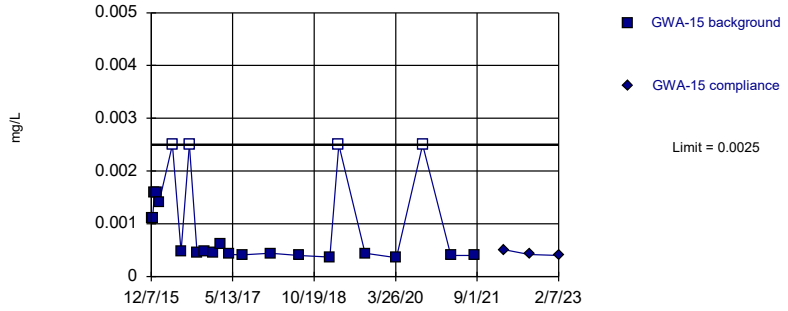
Constituent: Cobalt Analysis Run 3/7/2023 10:42 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

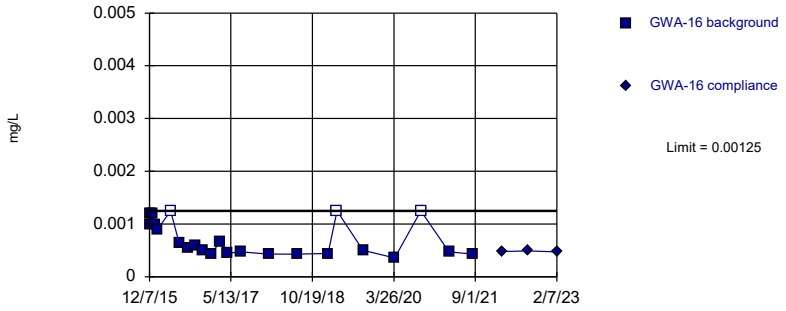
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

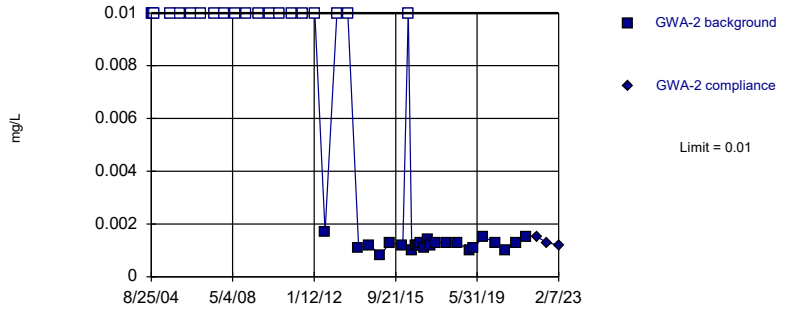
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

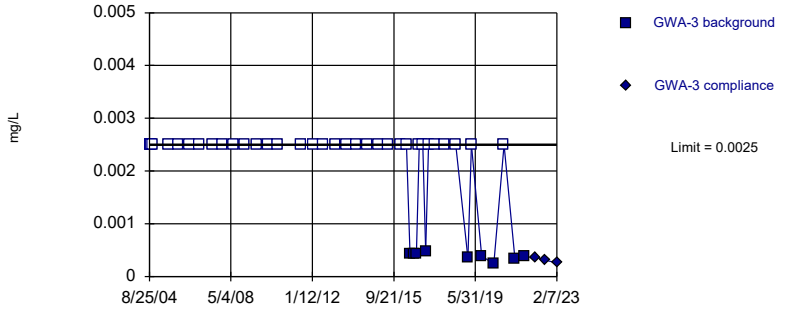
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

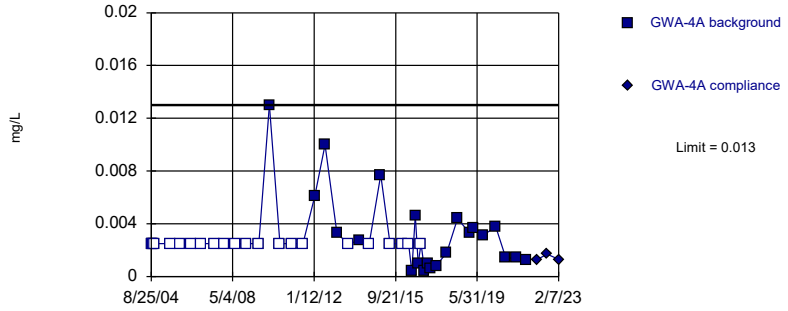
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

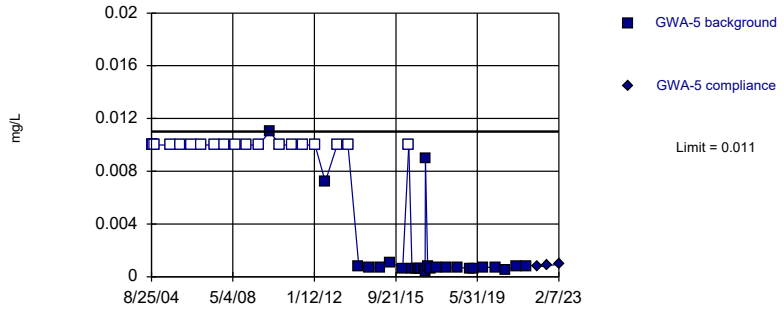
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

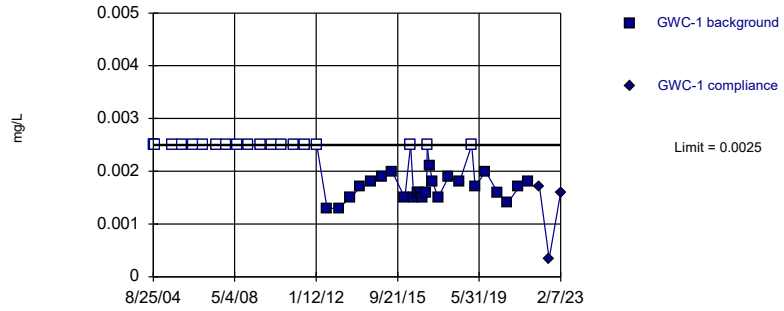
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

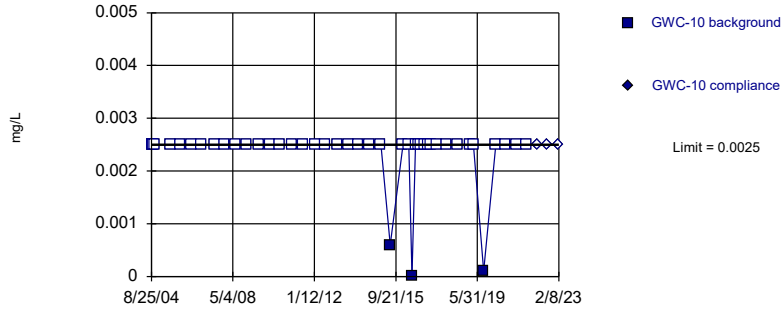
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

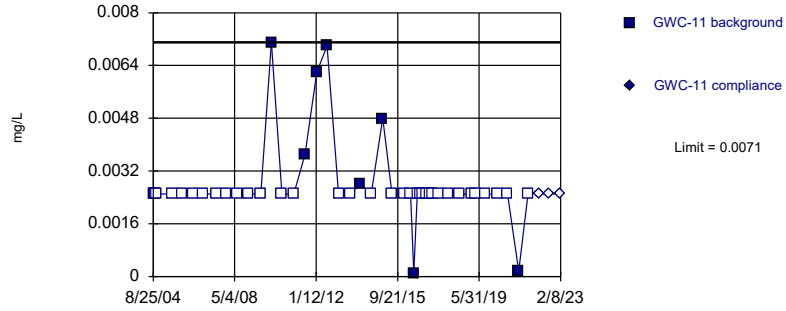
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

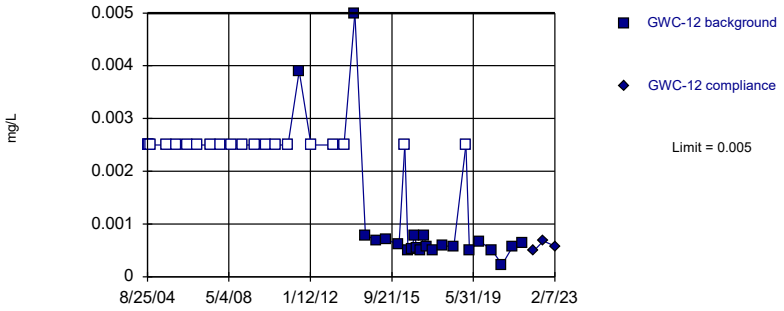
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

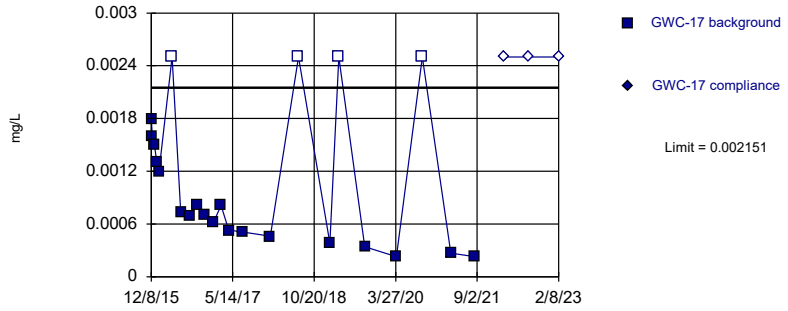
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

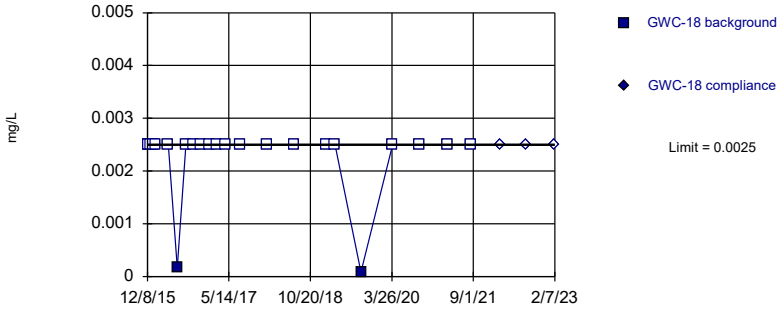
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

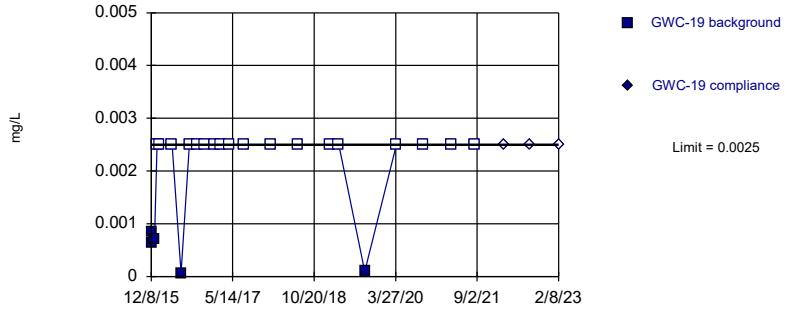
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

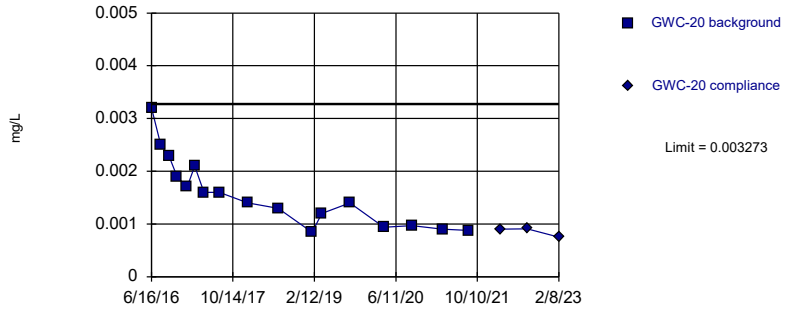
Constituent: Cobalt Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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 3/7/2023 10:43 AM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

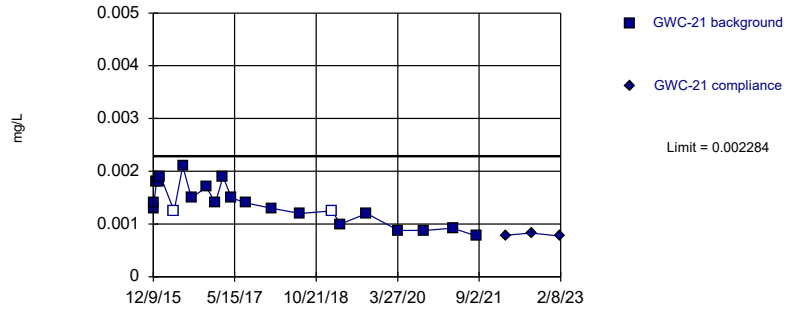
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00138, Std. Dev.=0.0003706, n=22, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9625, 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 3/7/2023 10:43 AM View: Appendix I - Intrawell

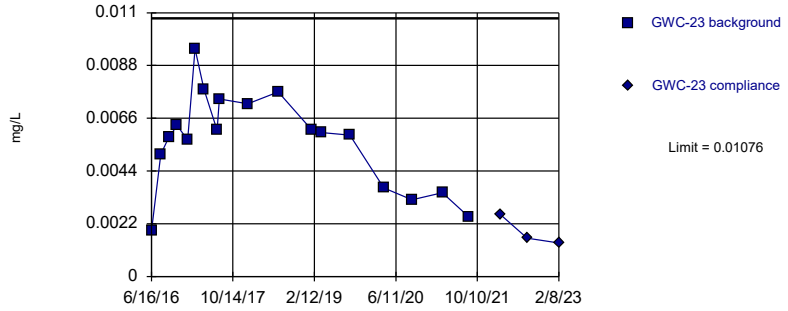
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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 3/7/2023 10:43 AM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

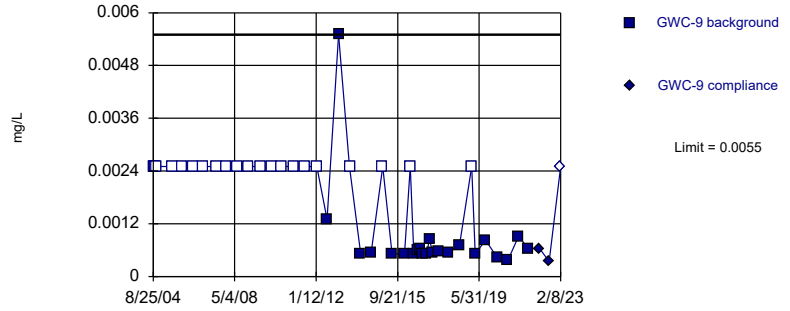
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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 3/7/2023 10:43 AM View: Appendix I - Intrawell

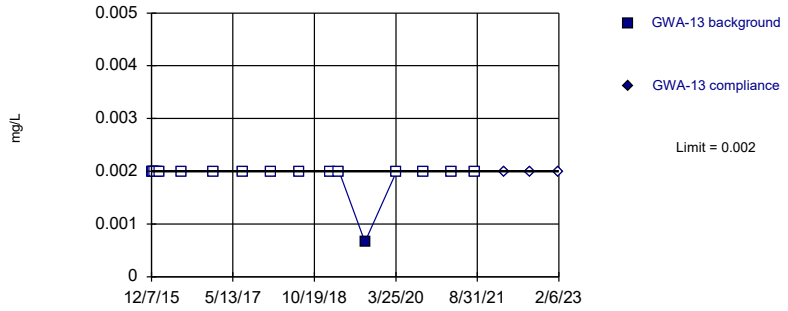
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

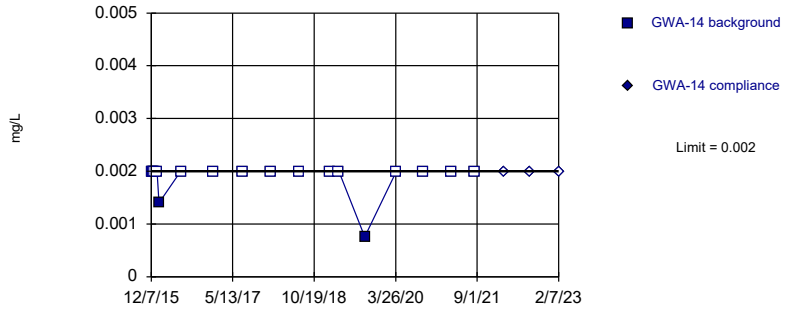
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

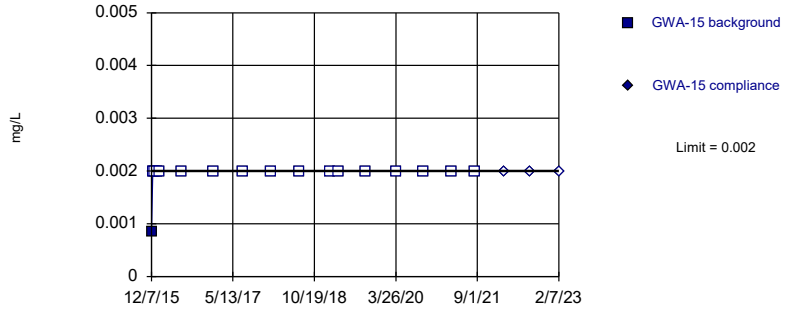
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

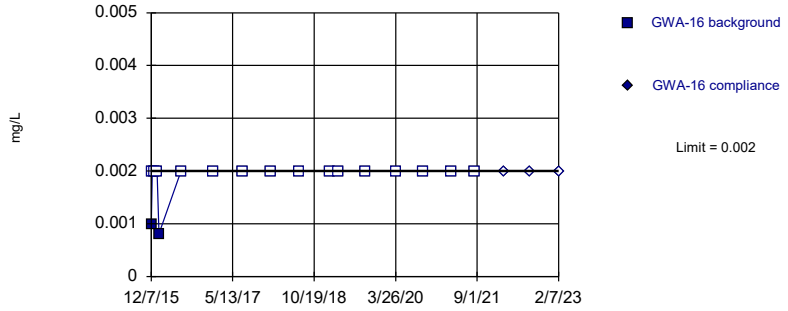
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

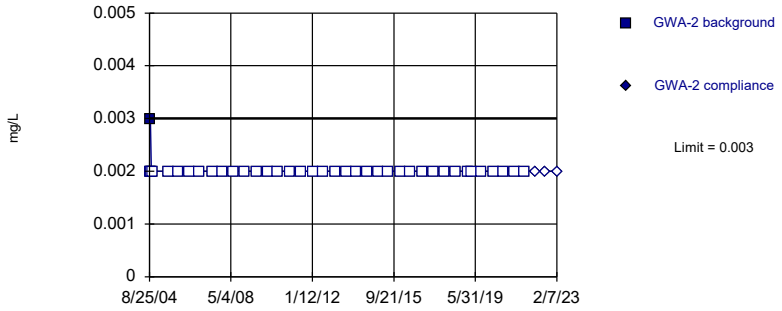
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

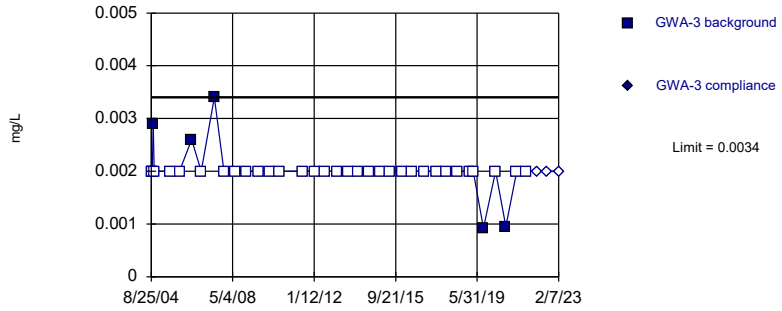
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

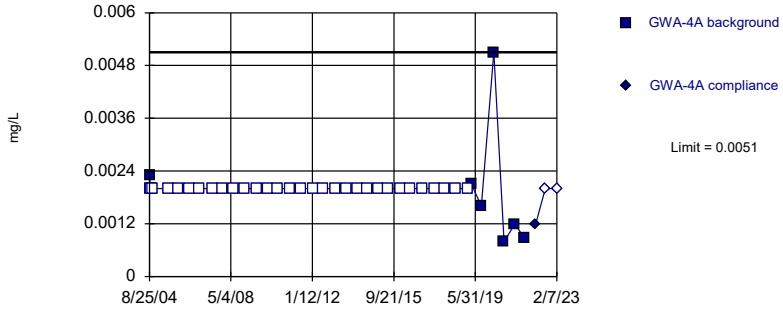
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

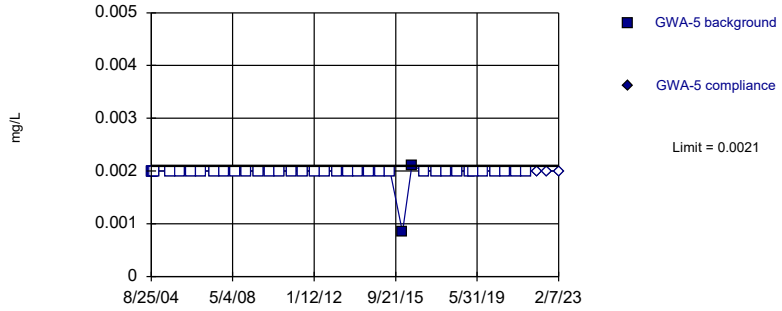
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

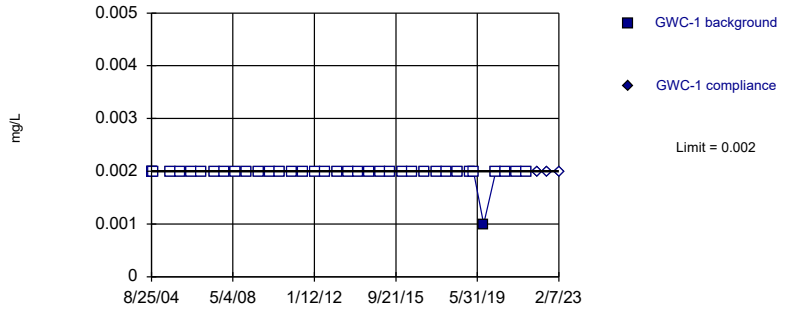
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

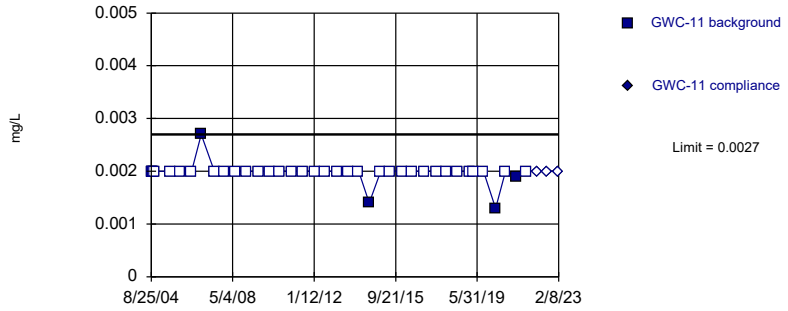
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

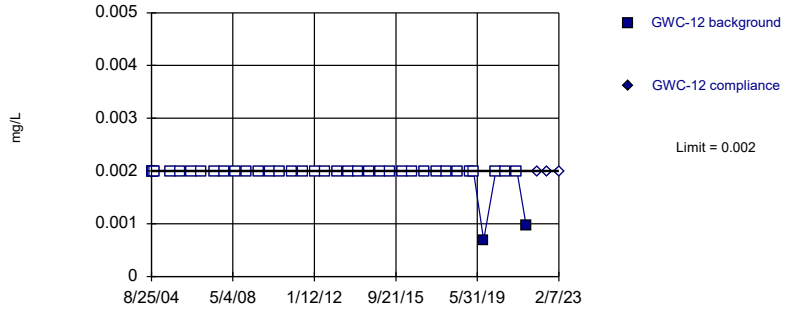
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

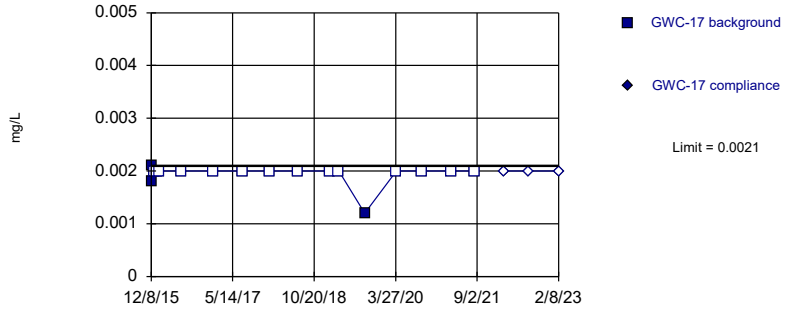
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

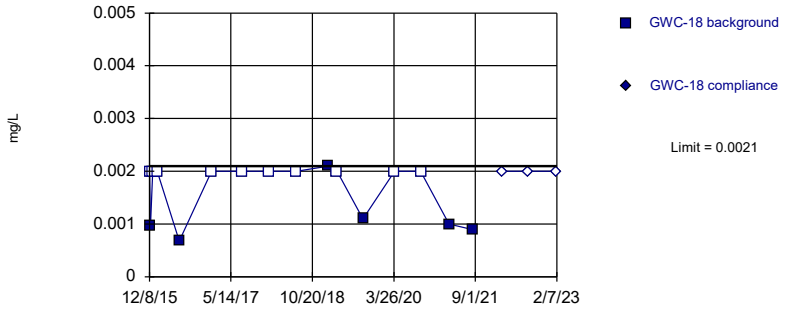
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

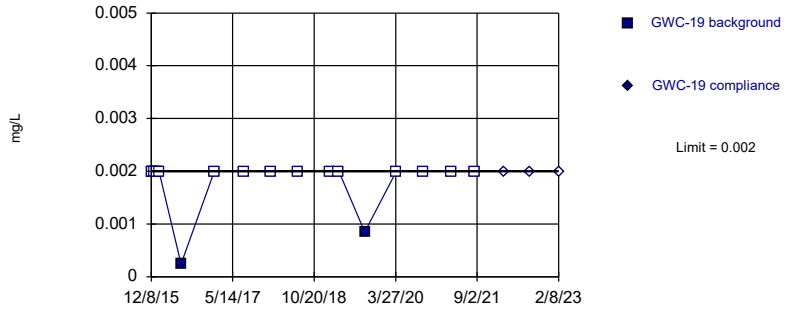
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

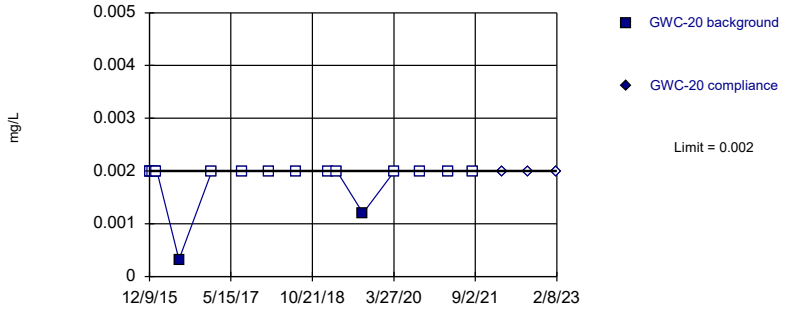
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

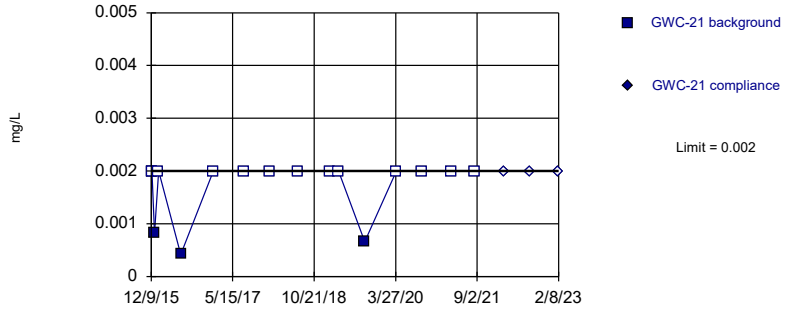
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

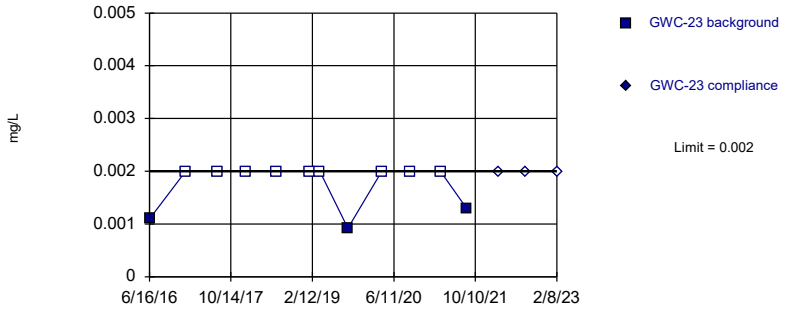
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

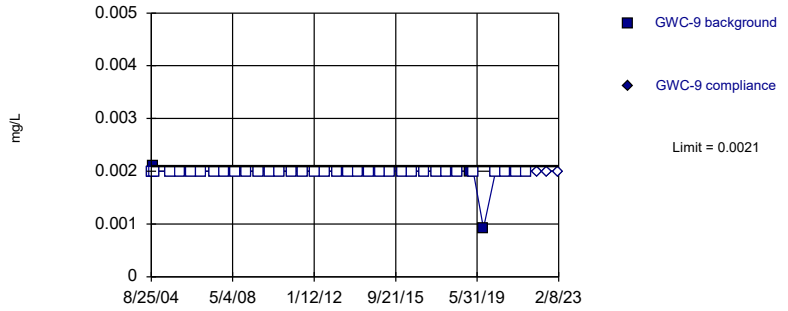
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

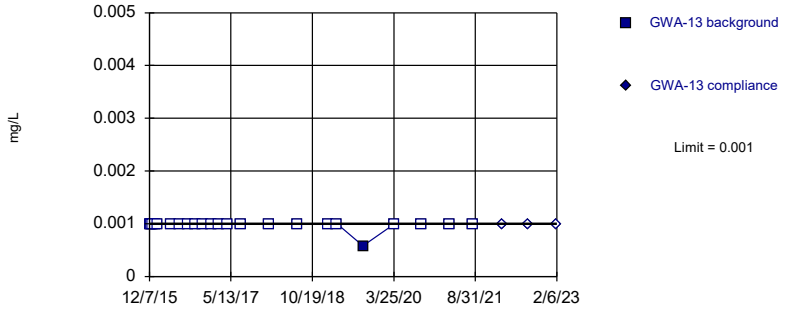
Constituent: Copper Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

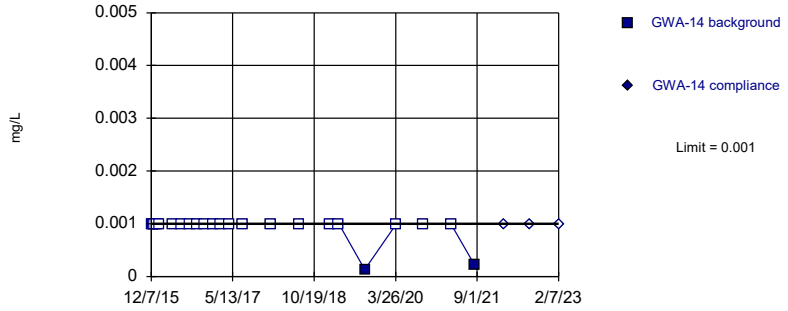
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

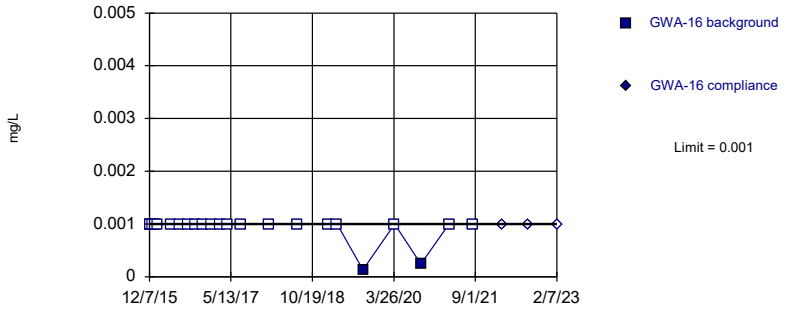
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

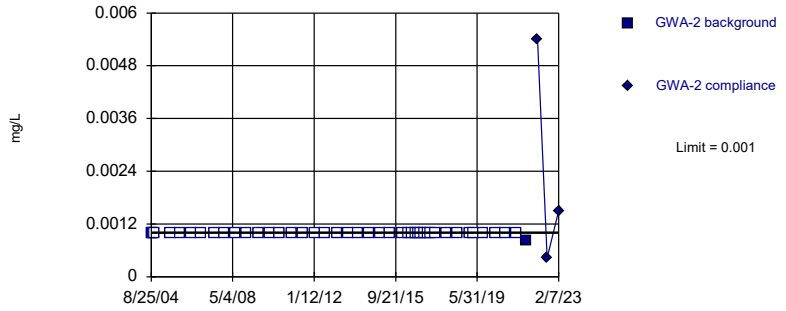
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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).

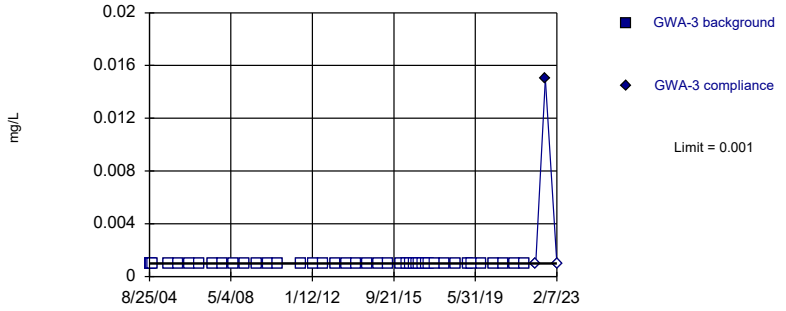
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 43) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002073. Individual comparison alpha = 0.001037 (1 of 2).

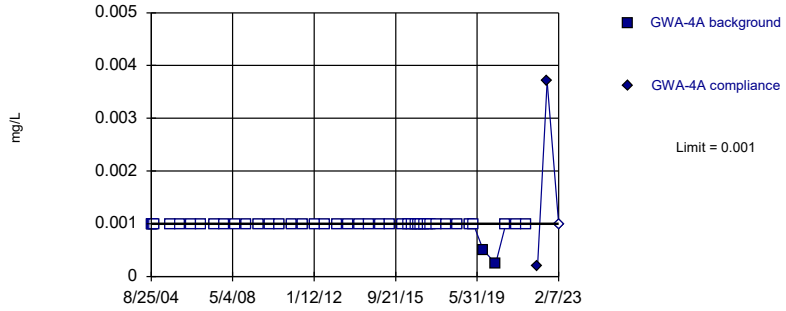
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

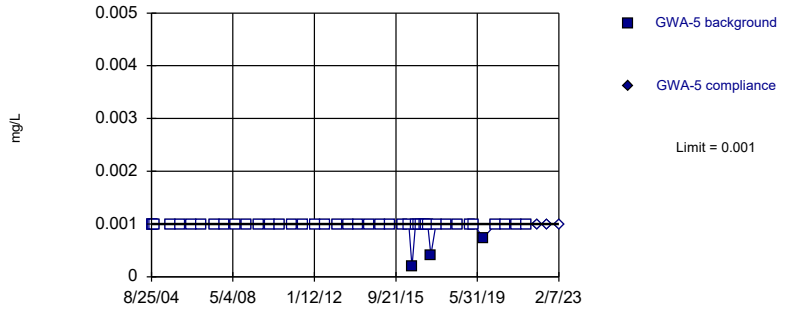
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

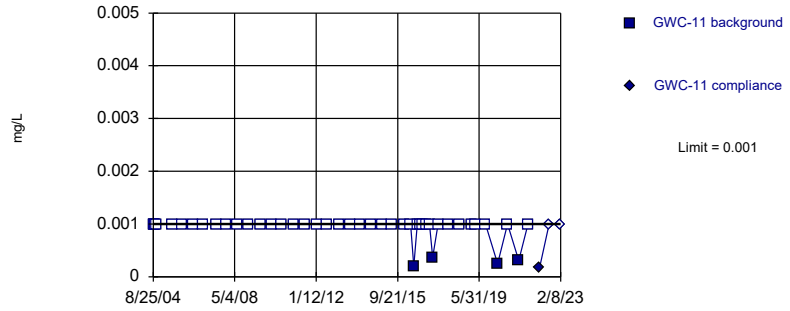
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

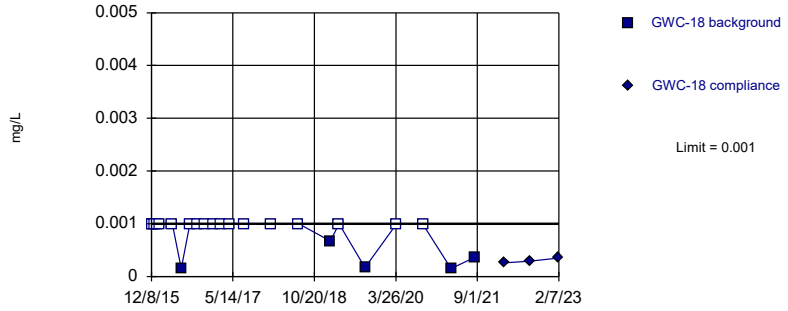
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

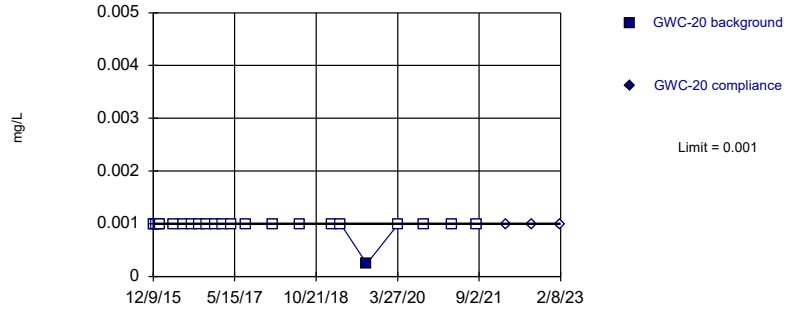
Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



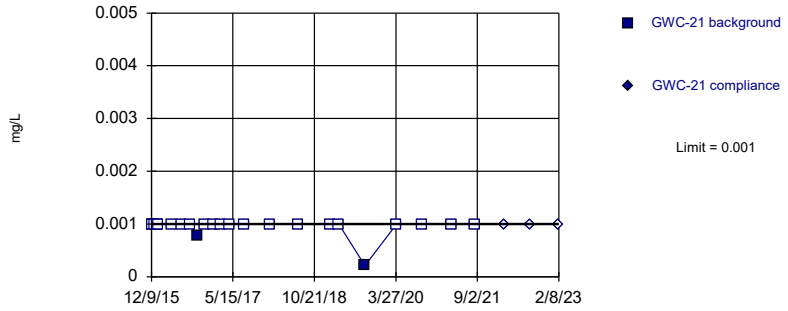
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



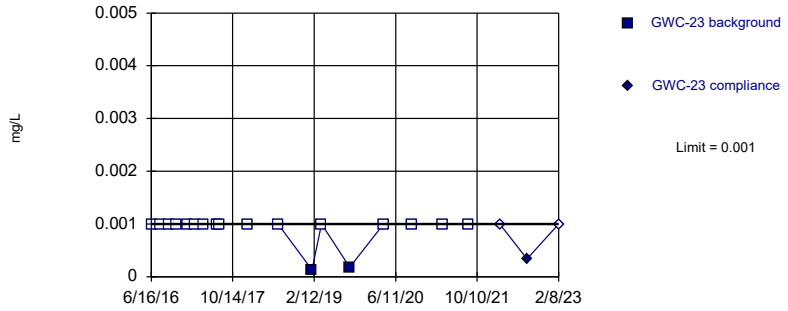
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



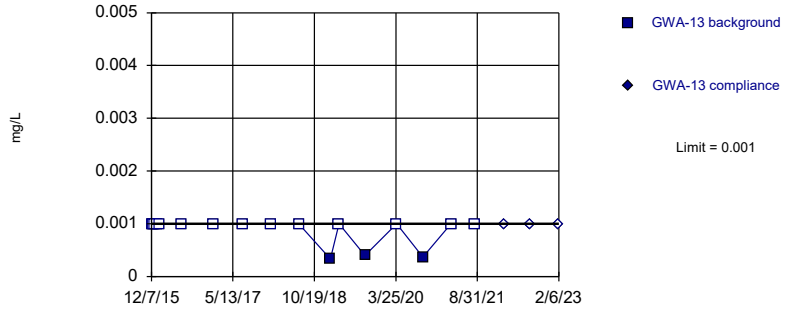
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Lead Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



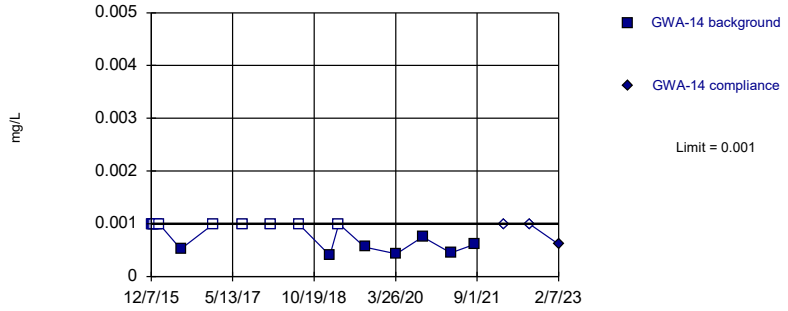
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

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).

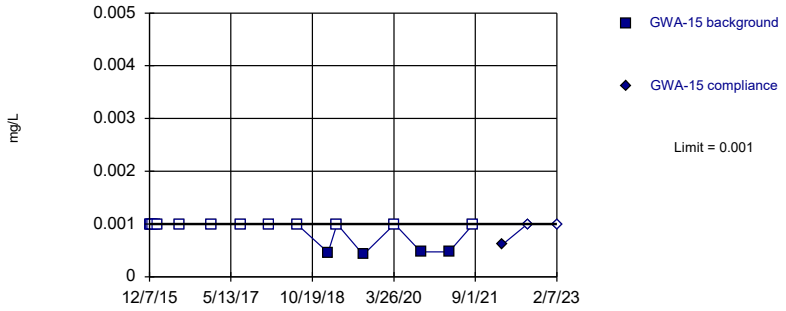
Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

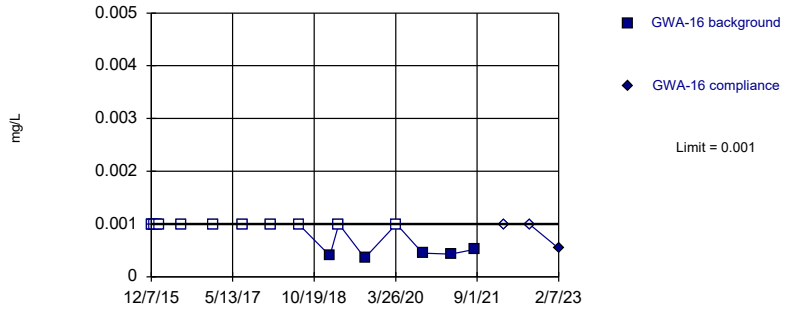
Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

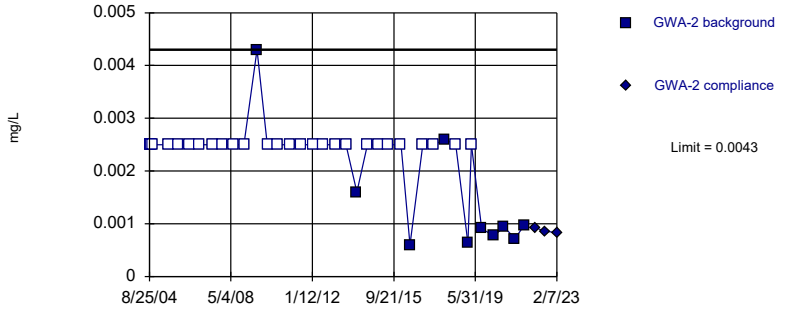
Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

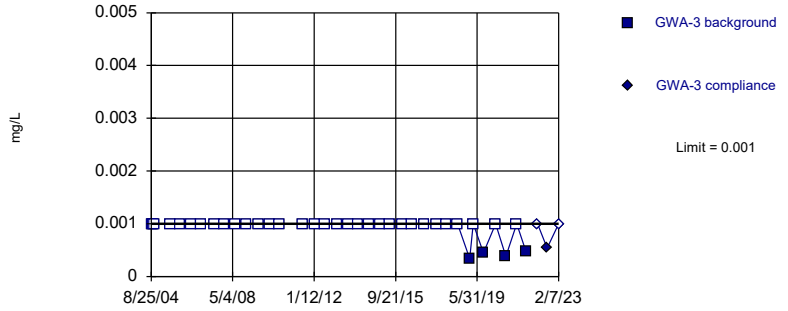
Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

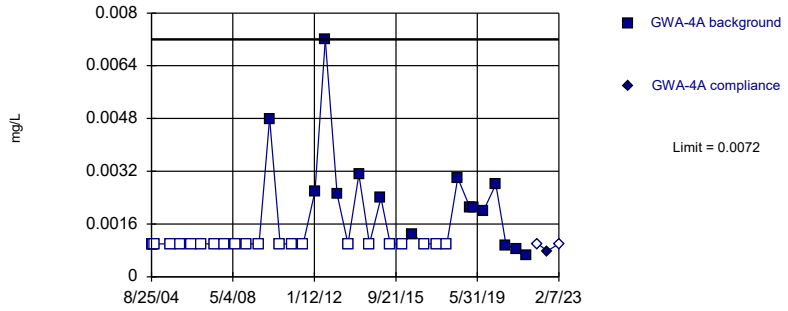
Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

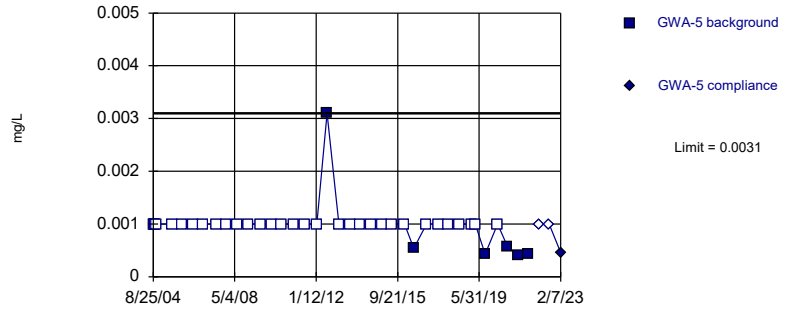
Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

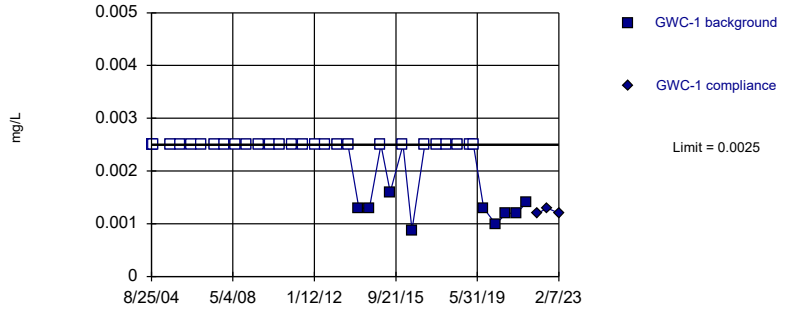
Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

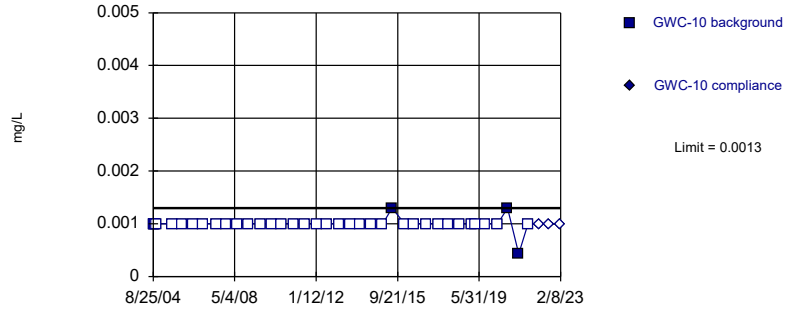
Constituent: Nickel Analysis Run 3/7/2023 10:43 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

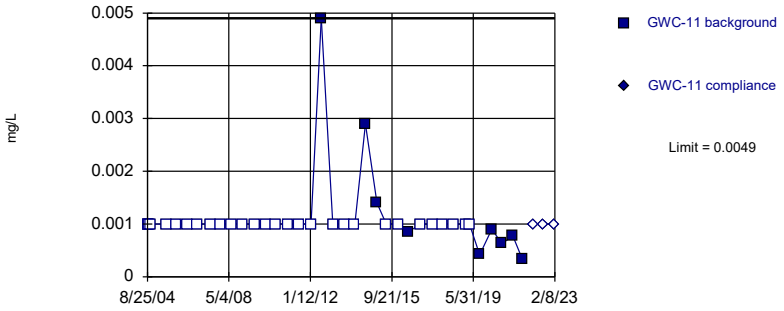
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

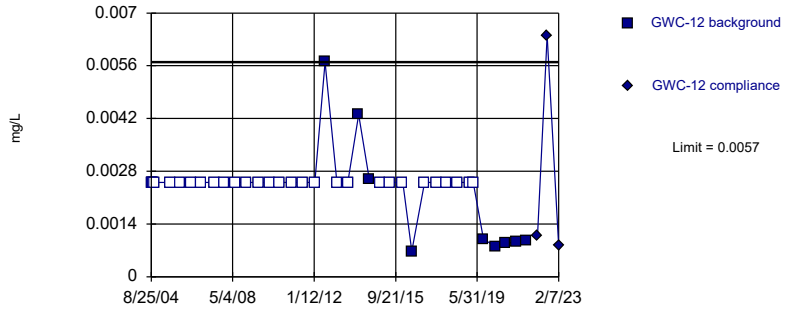
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

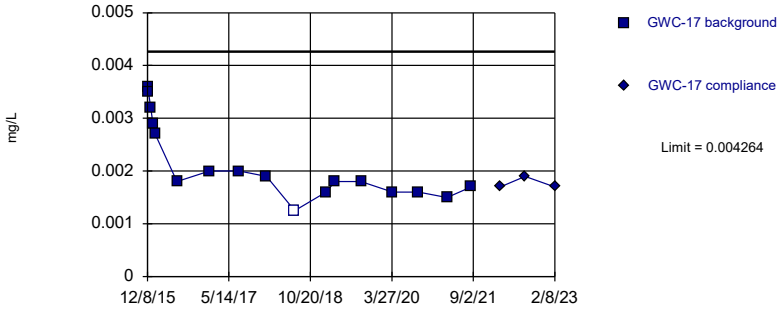
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.04572, Std. Dev.=0.007587, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8702, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

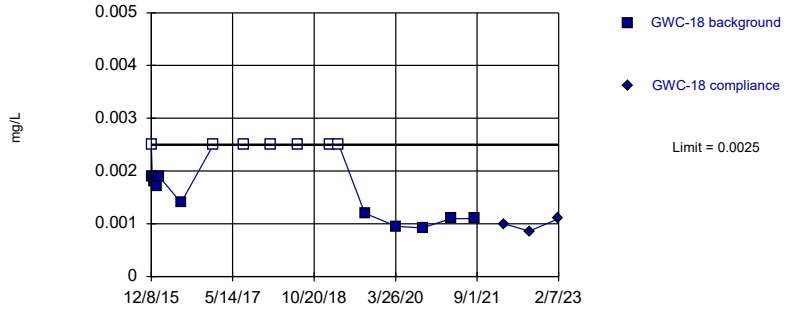
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

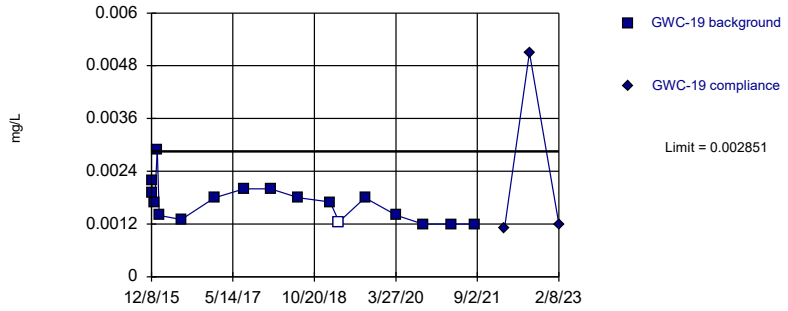
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001691, Std. Dev.=0.0004494, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8866, critical = 0.851. Kappa = 2.582 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

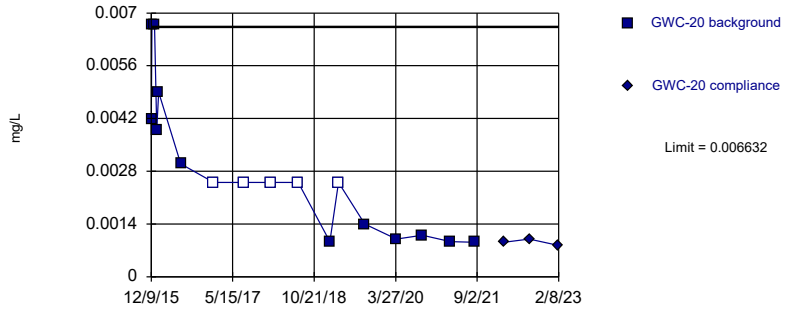
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

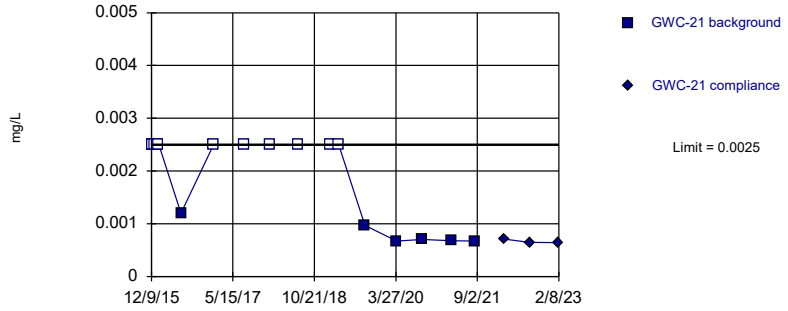
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

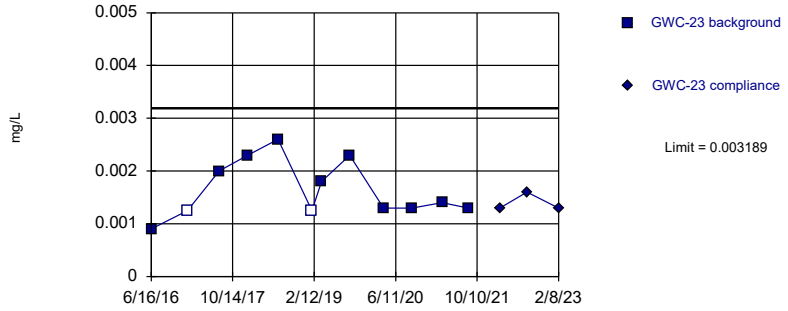
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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 = 0.8876, critical = 0.805. Kappa = 2.874 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

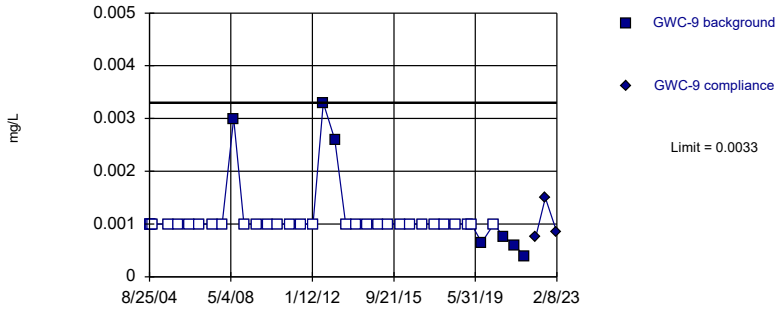
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

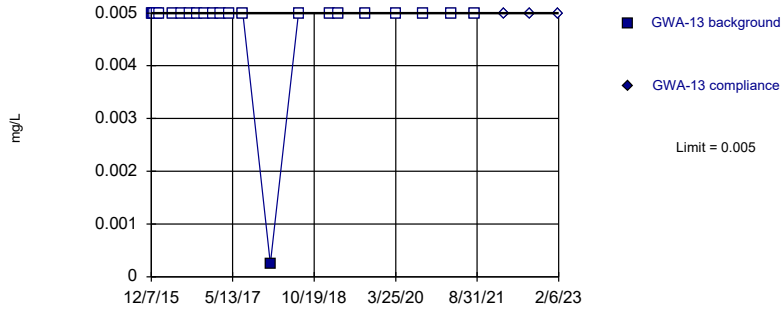
Constituent: Nickel Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

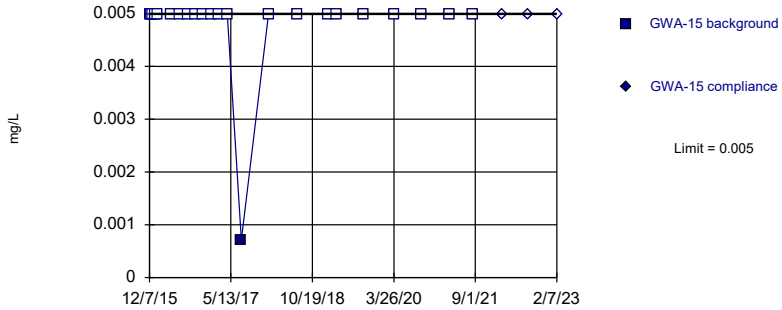
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

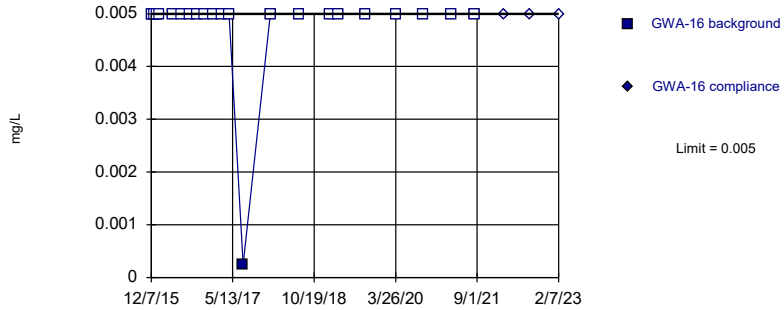
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

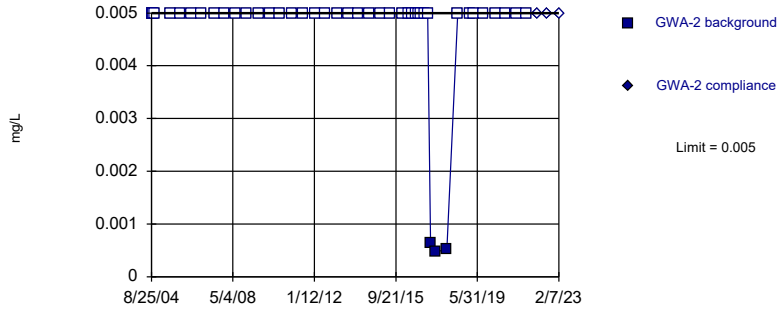
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

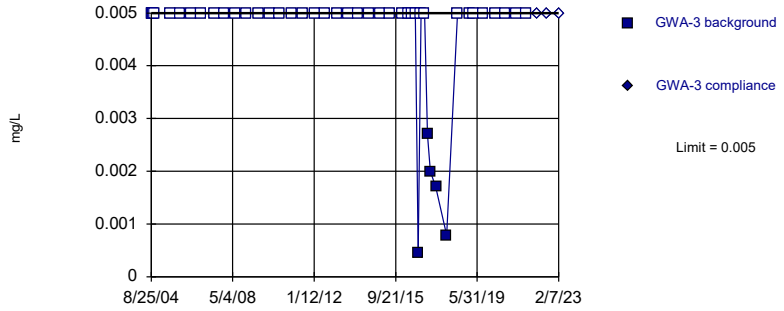
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

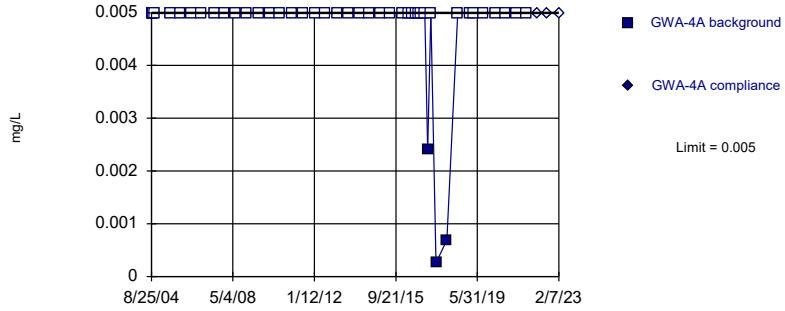
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

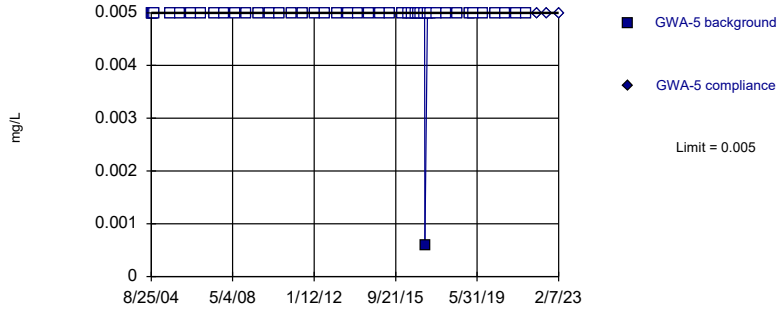
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

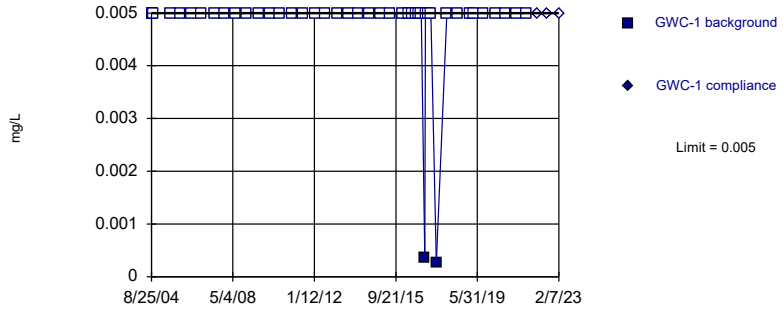
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

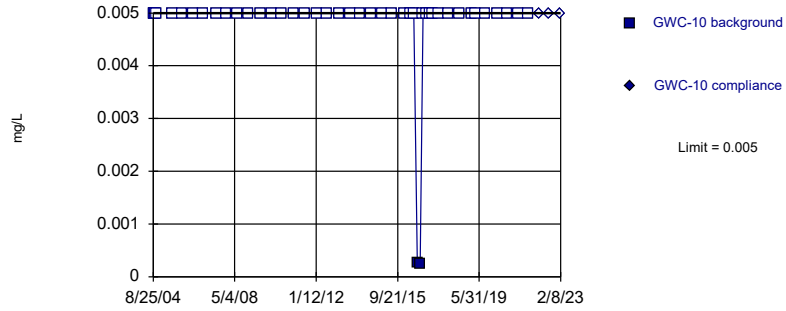
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

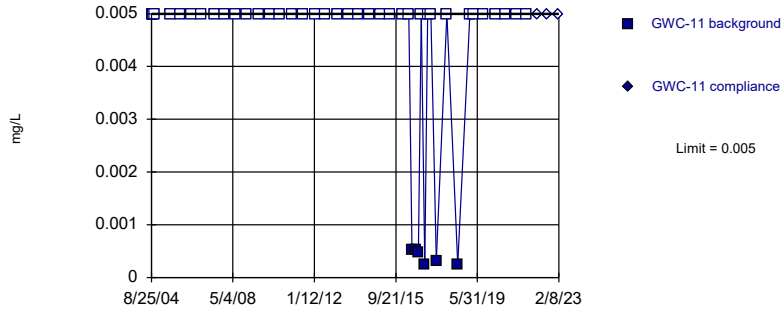
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

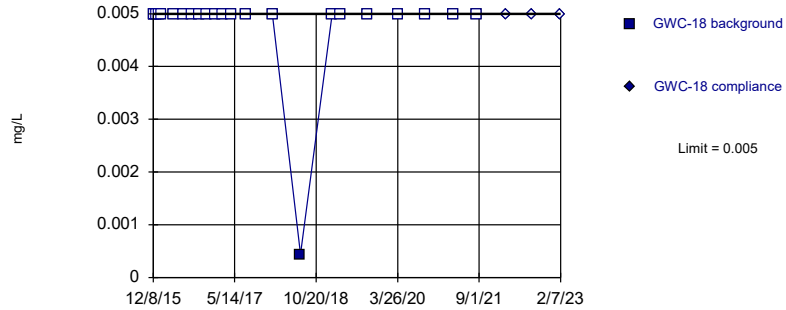
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

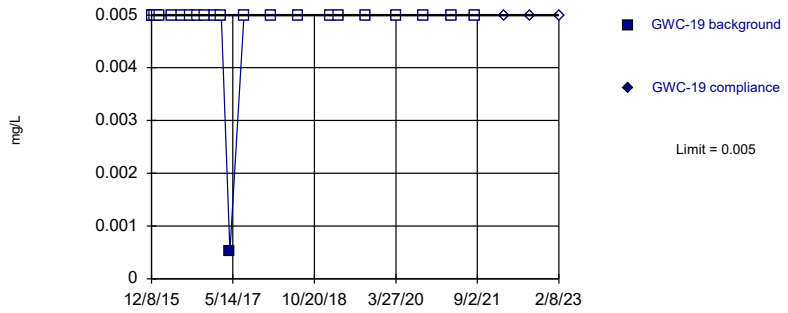
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

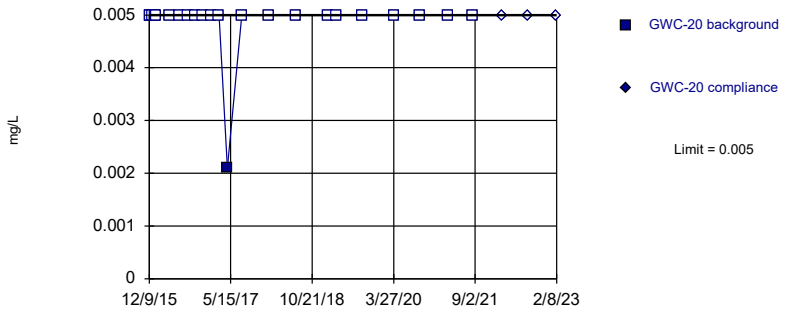
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

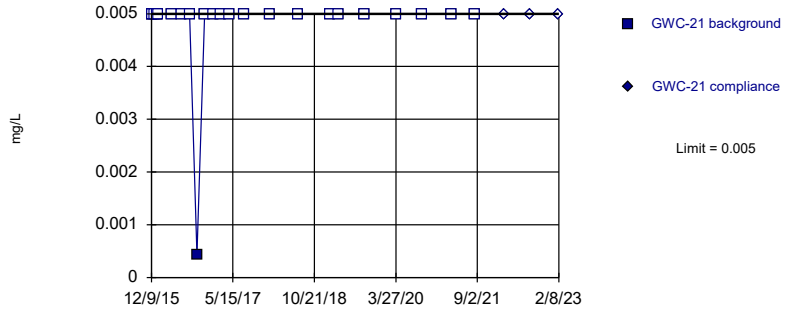
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

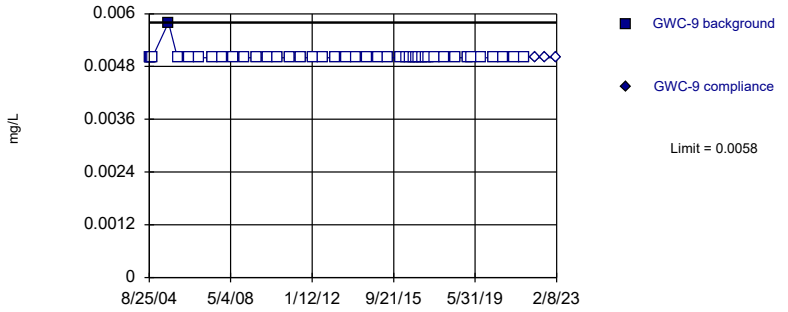
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

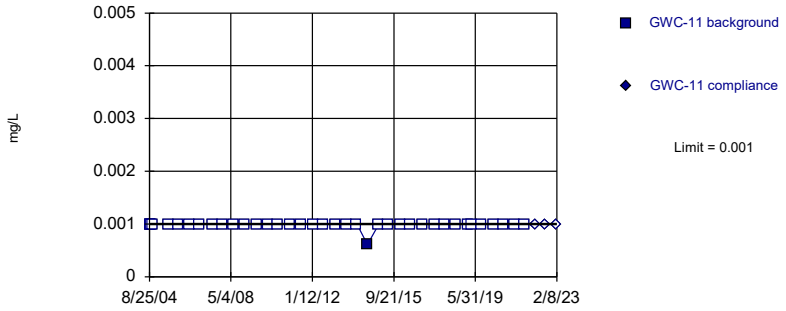
Constituent: Selenium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

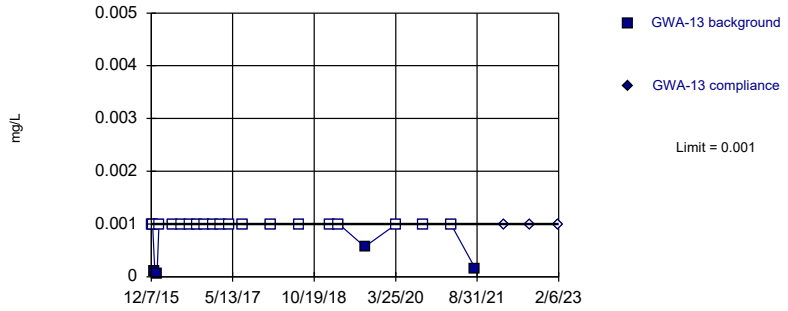
Constituent: Silver Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

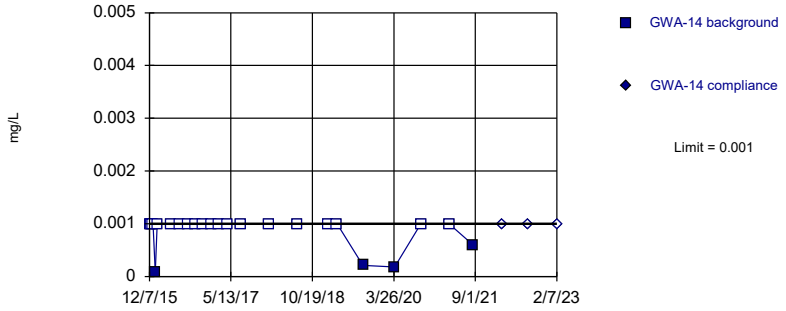
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

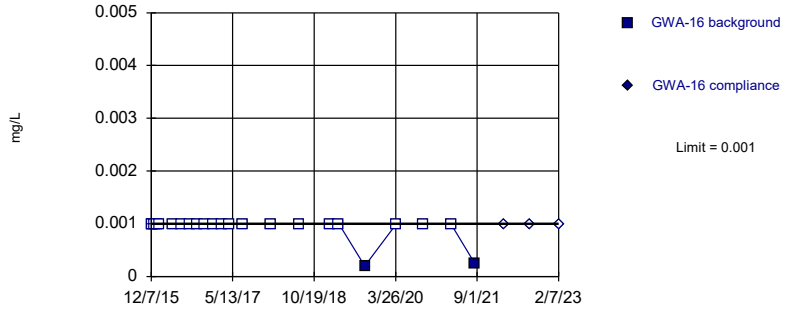
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

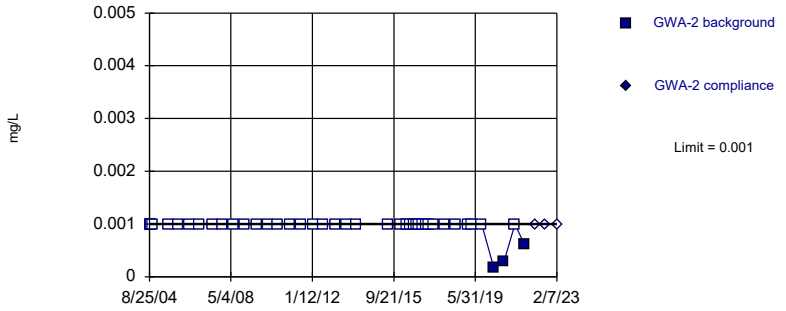
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

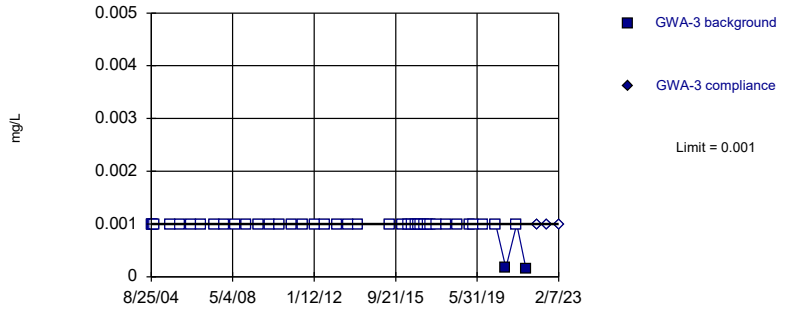
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

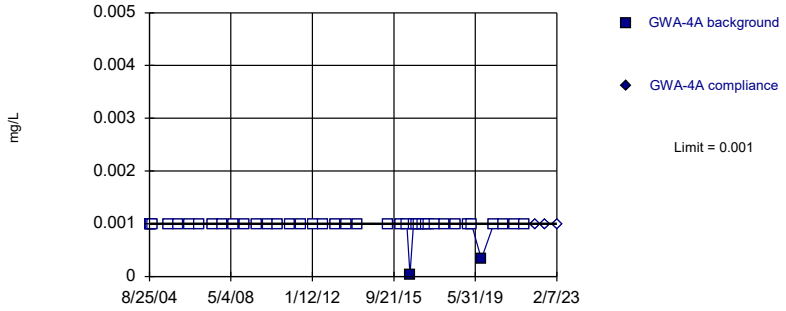
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

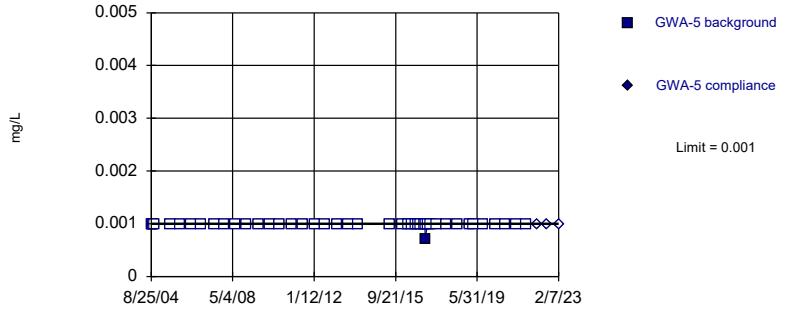
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

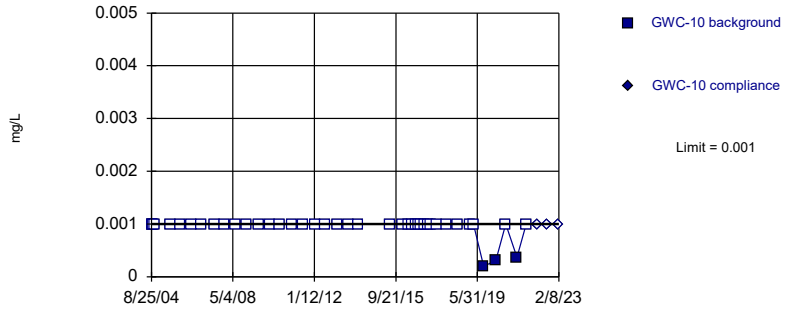
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

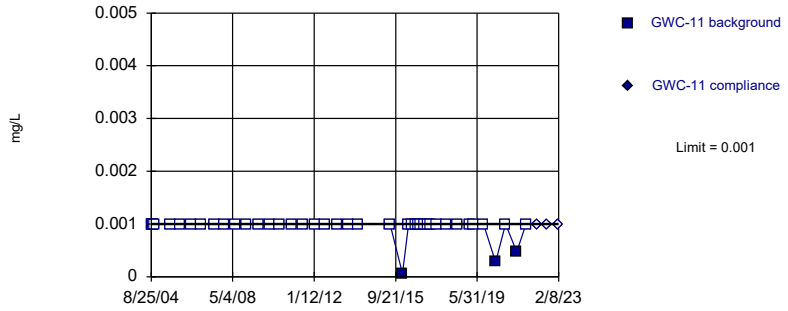
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

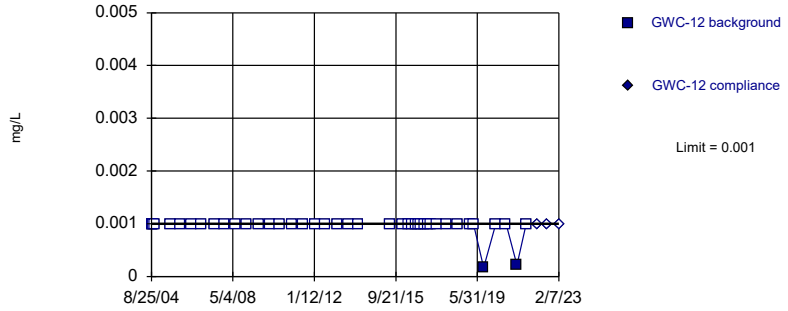
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

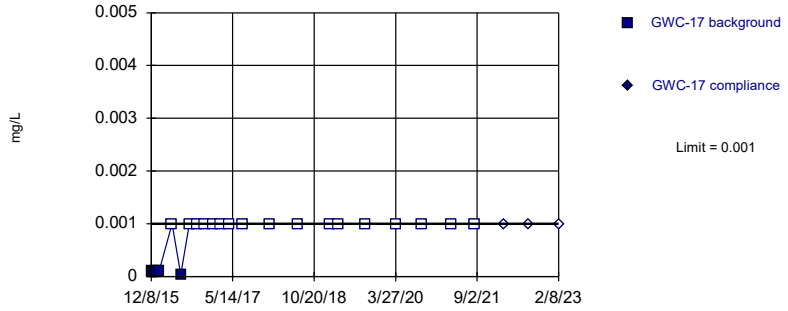
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

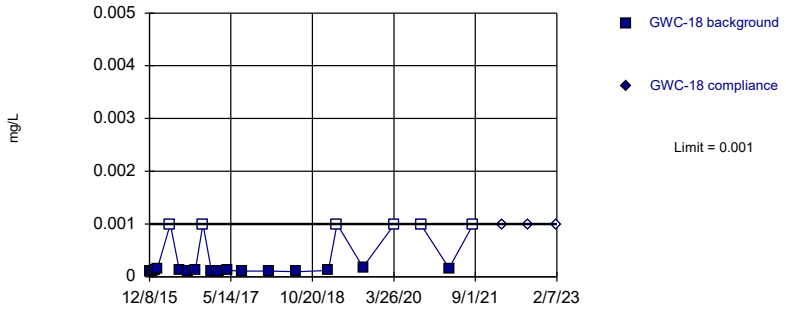
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

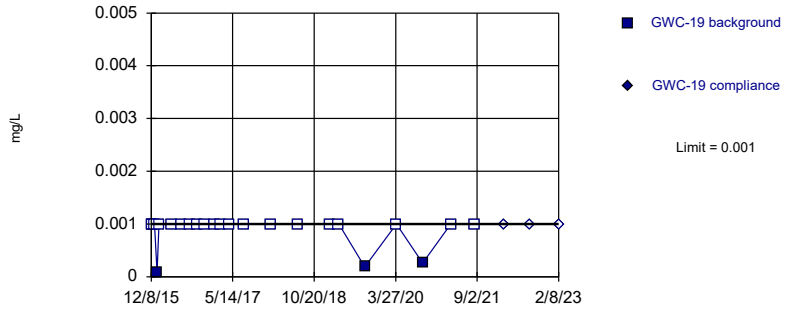
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

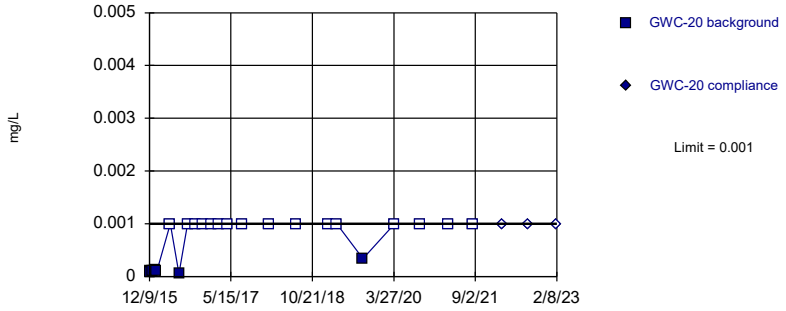
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

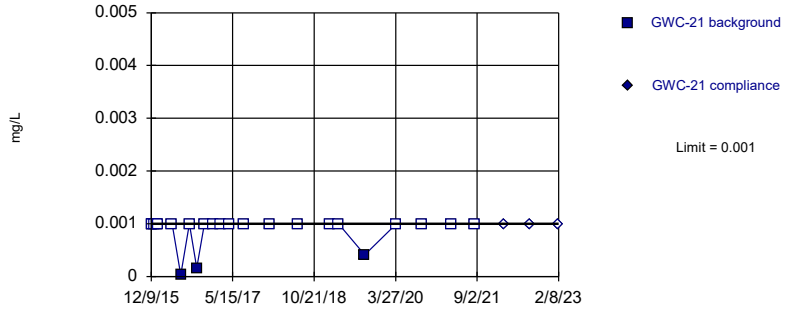
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

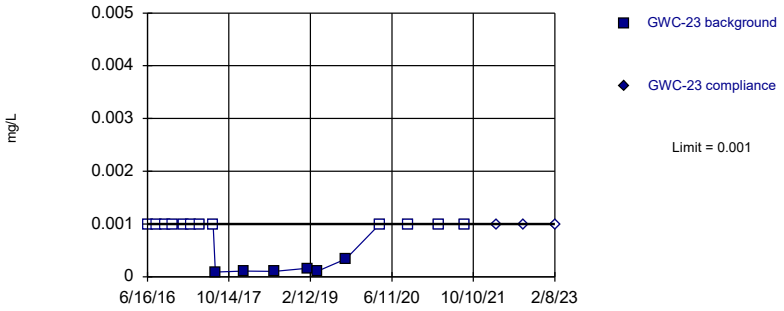
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

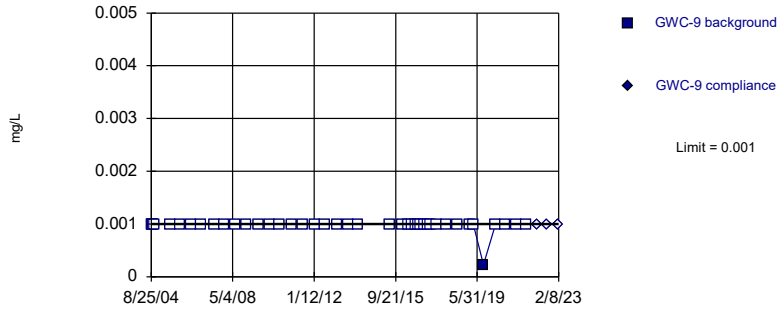
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

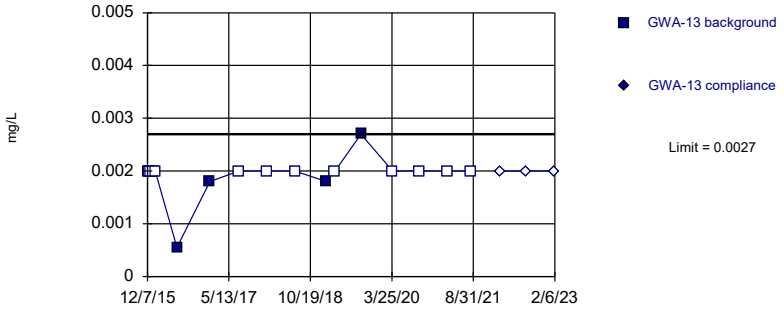
Constituent: Thallium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

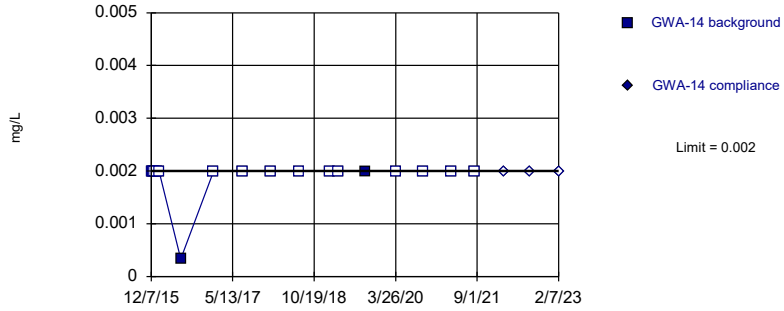
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

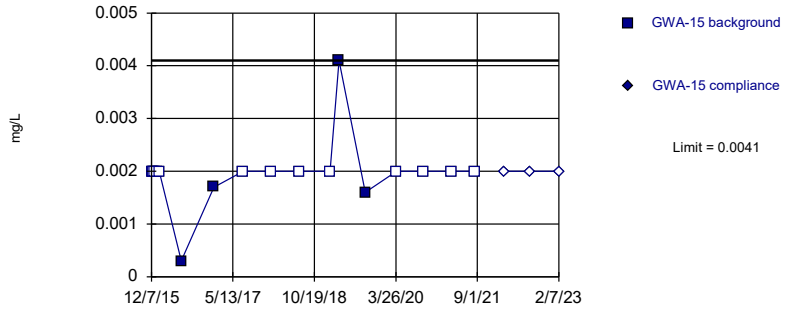
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

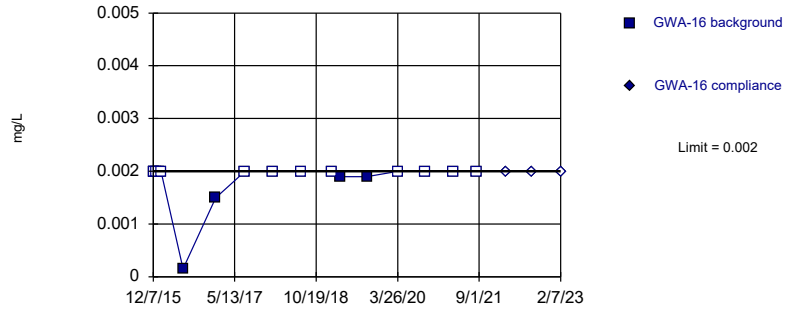
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

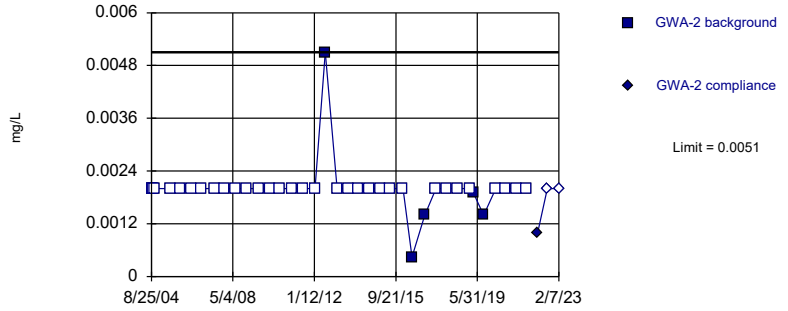
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

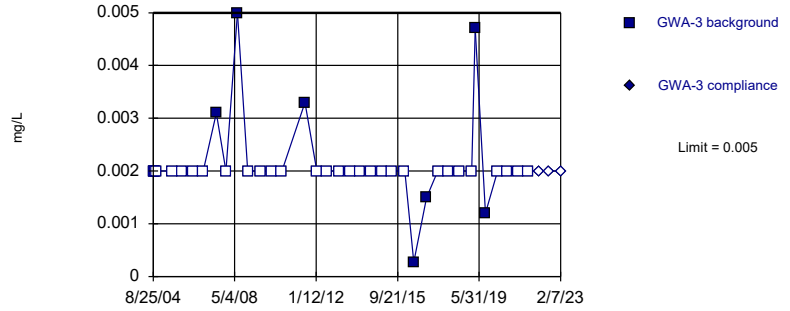
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

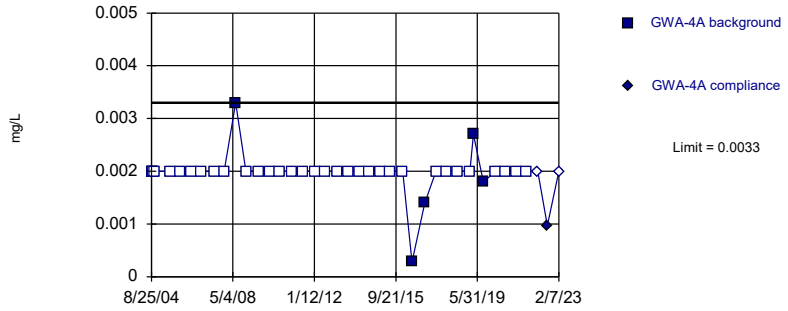
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

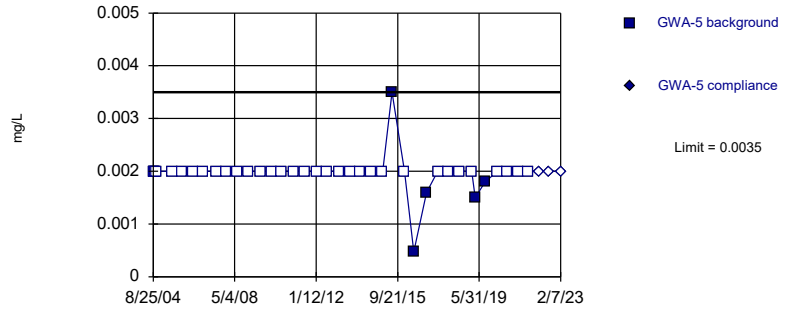
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

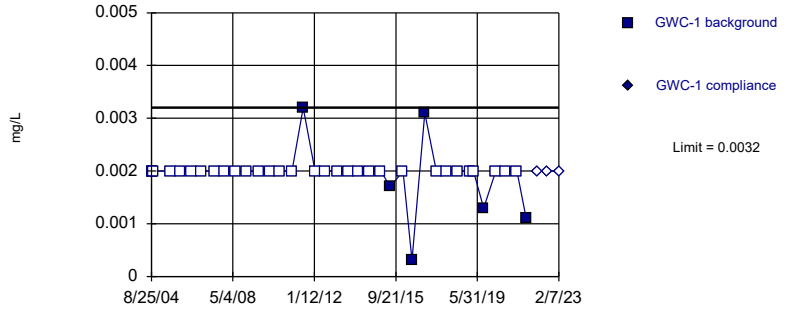
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

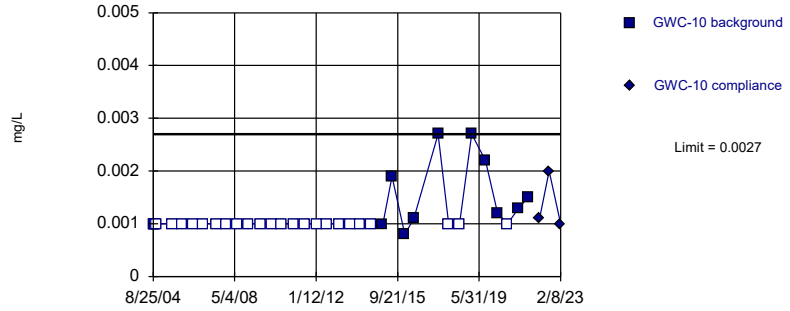
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

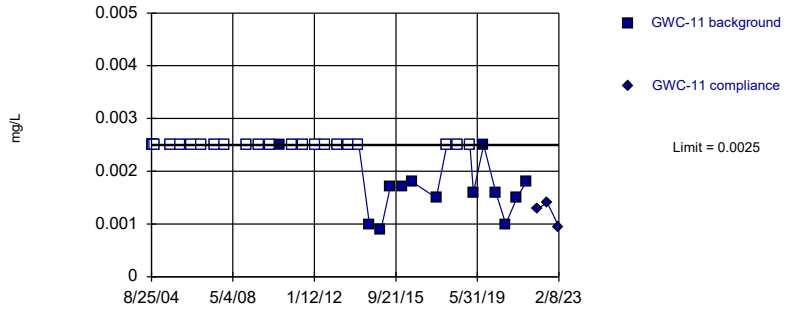
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

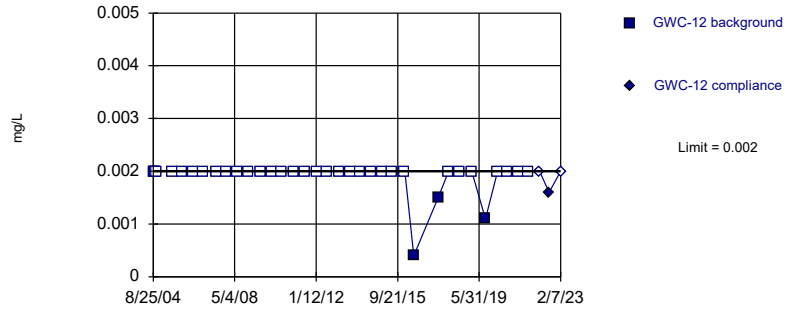
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

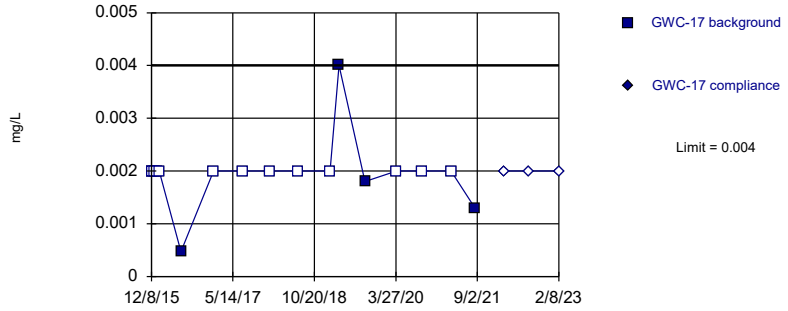
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

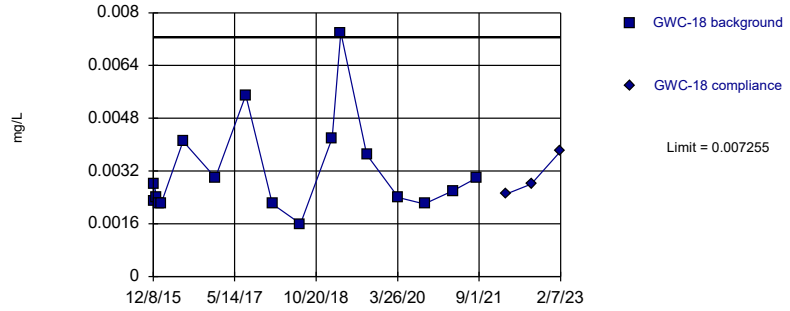
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

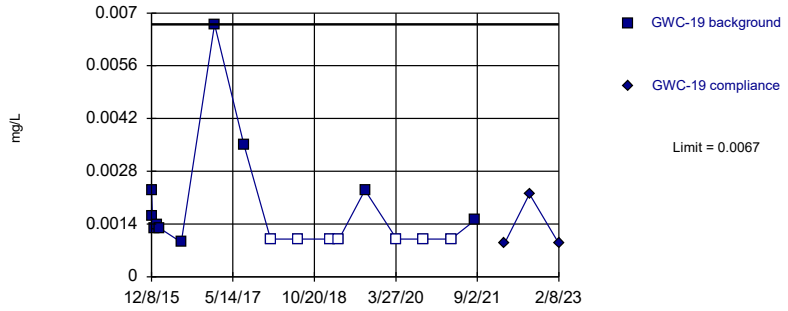
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

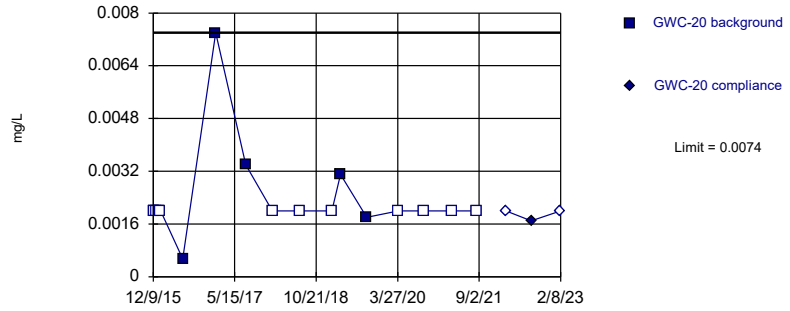
Constituent: Vanadium Analysis Run 3/7/2023 10:44 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

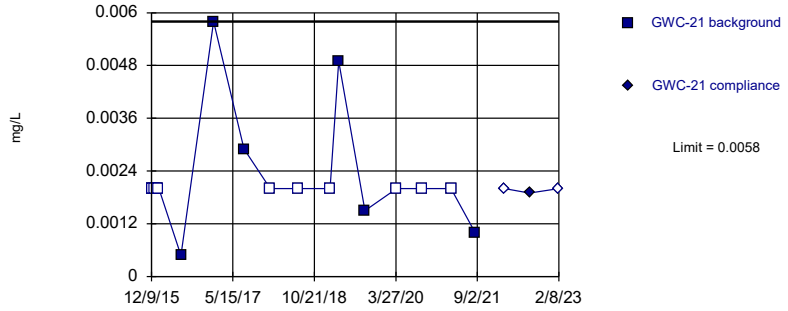
Constituent: Vanadium Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

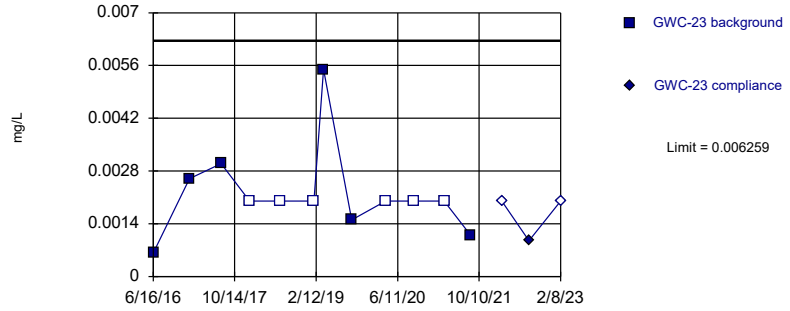
Constituent: Vanadium Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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=0.03924, Std. Dev.=0.01387, n=12, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8765, critical = 0.805. Kappa = 2.874 (c=15, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0003901.

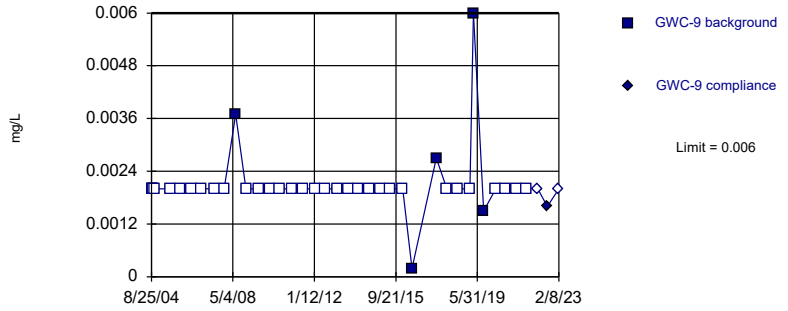
Constituent: Vanadium Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

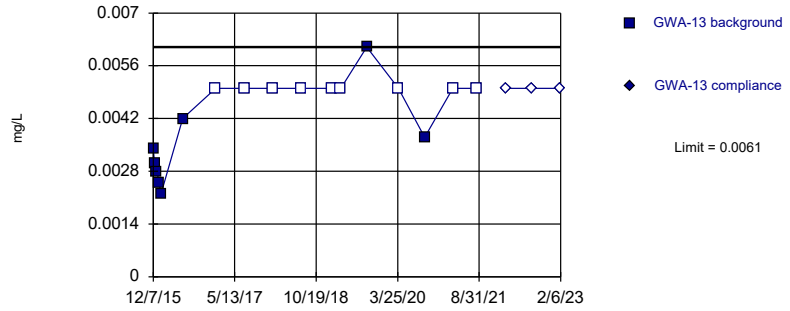
Constituent: Vanadium Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

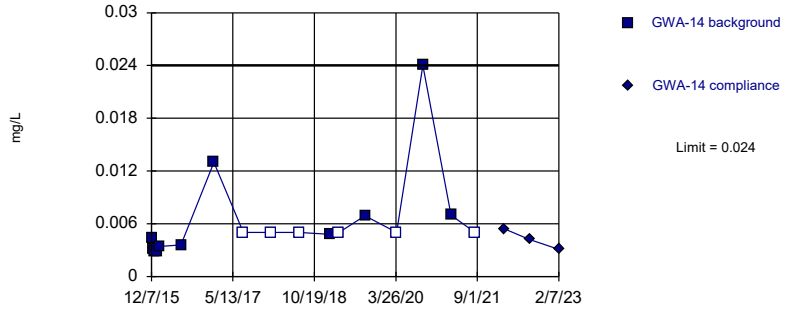
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

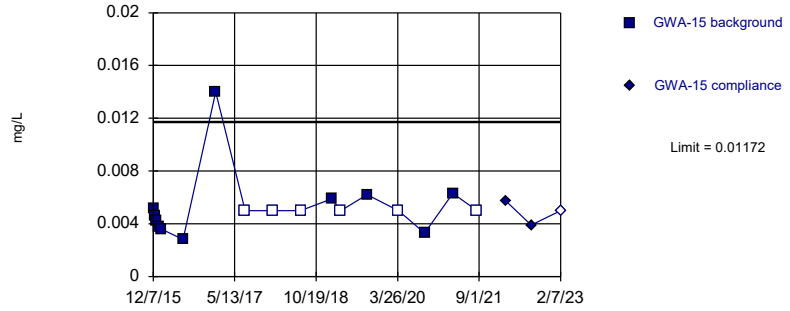
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

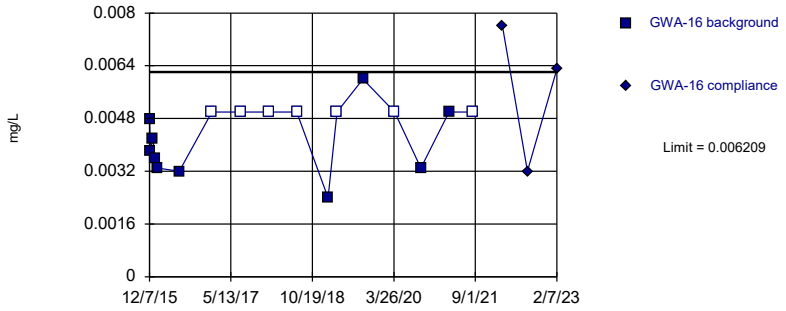
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

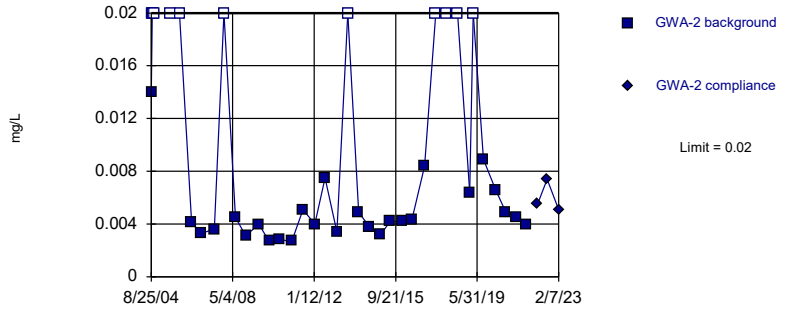
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

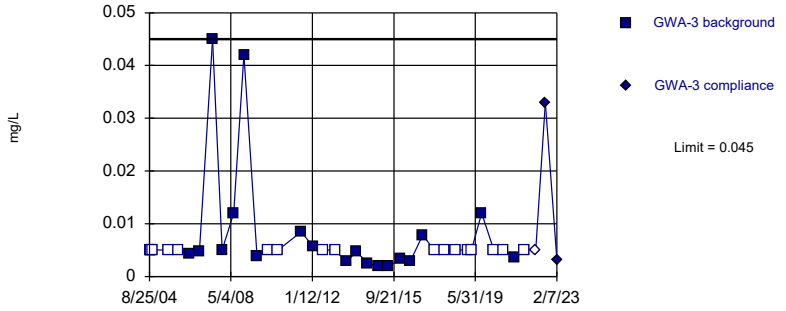
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

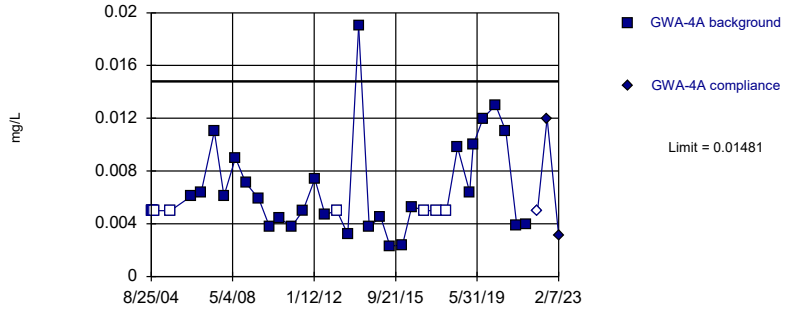
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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=0.1712, Std. Dev.=0.03284, 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.

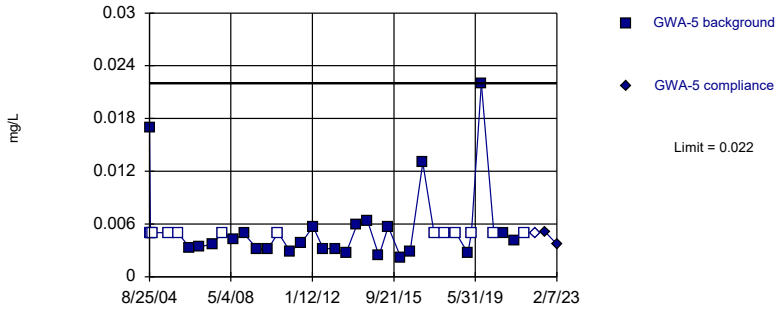
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

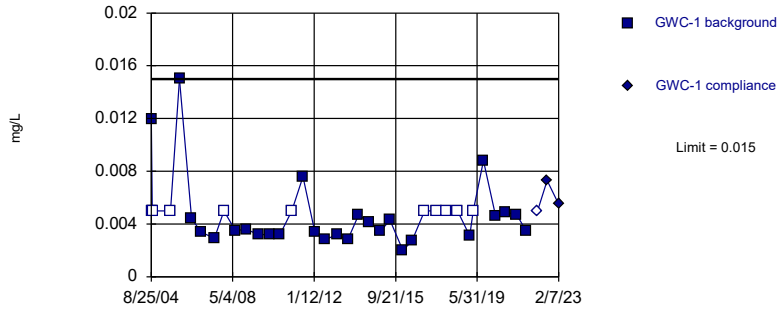
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

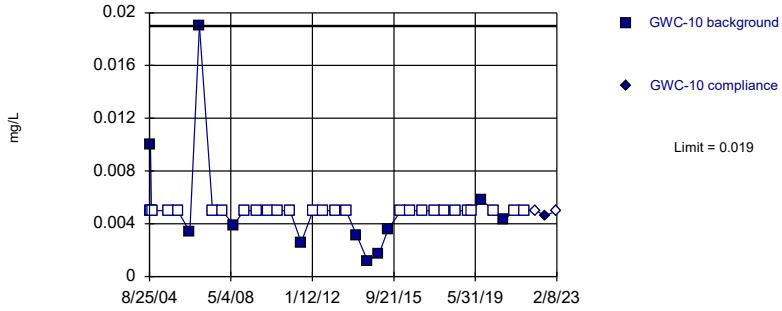
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

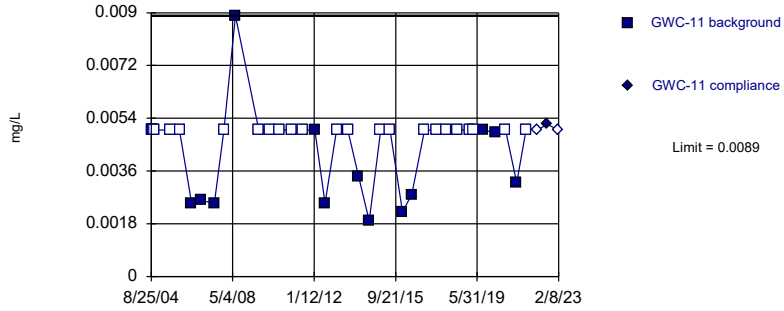
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

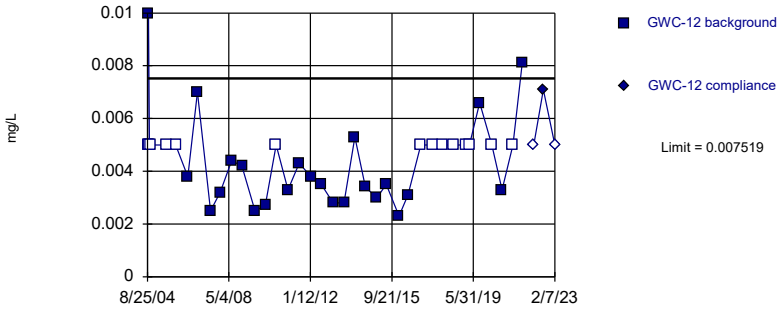
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

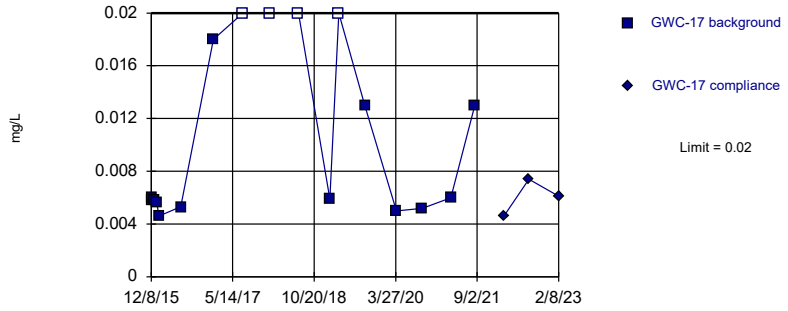
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

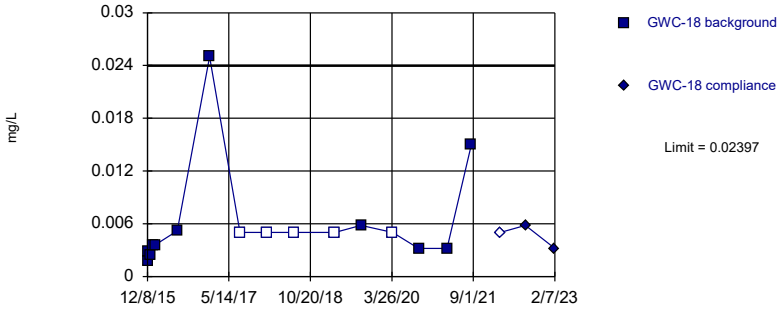
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

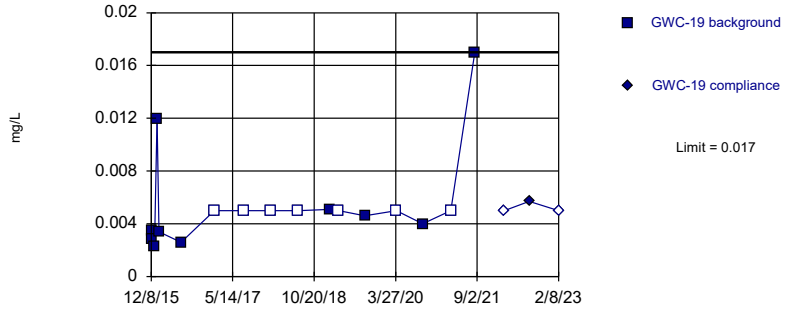
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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).

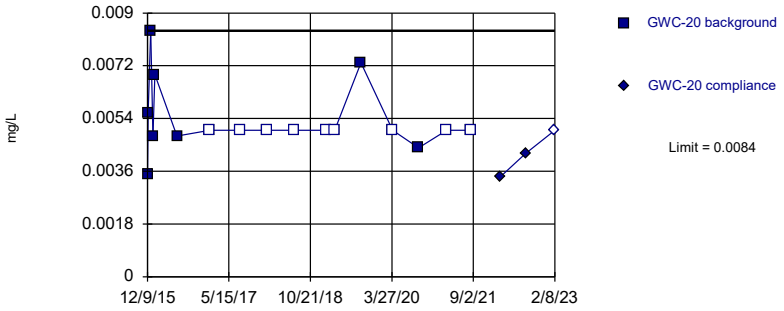
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

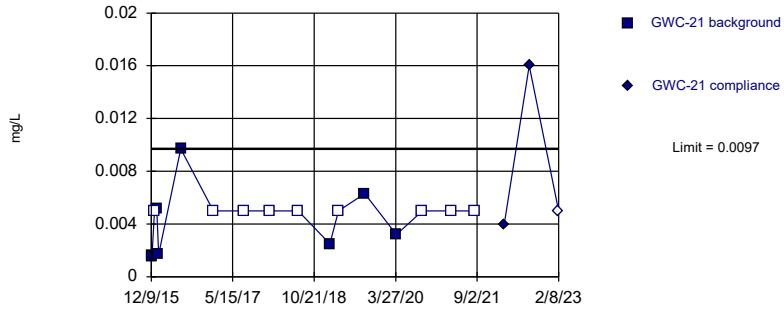
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

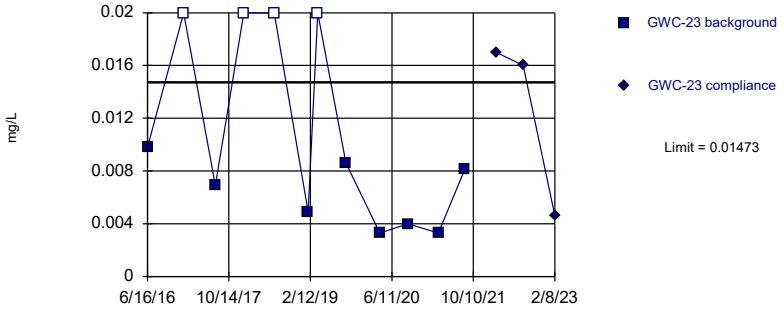
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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=0.07662, 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.

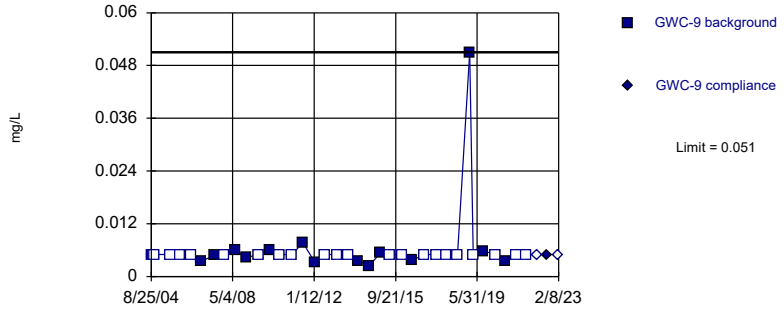
Constituent: Zinc Analysis Run 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 3/7/2023 10:45 AM View: Appendix I - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.002
2/6/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:56 AM 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 (D)	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/16/2016	<0.002	
4/20/2016	<0.002	
6/15/2016	<0.002	
8/10/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/12/2017	<0.002	
1/23/2017	<0.002	
3/1/2017	<0.002	
4/20/2017	<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	<0.002	
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
8/3/2022		0.00057 (J)
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.001
2/6/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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)
8/3/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/3/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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	<0.001	
1/16/2016	<0.001	
4/21/2016	<0.001	
6/16/2016	0.0004 (J)	
8/10/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/12/2017	0.00077 (J)	
3/1/2017	<0.001	
4/24/2017	<0.001	
7/24/2017	<0.001	
1/11/2018	0.00046 (J)	
7/12/2018	<0.001	
1/30/2019	<0.001	
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)
8/3/2022		0.00052 (J)
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		0.0013
2/8/2023		0.0017

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/3/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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)
8/2/2022		0.0009 (J)
2/7/2023		0.0011

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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)
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/4/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/4/2022		0.00053 (J)
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		0.016
2/6/2023		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		0.014
2/7/2023		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:56 AM 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
8/2/2022		0.023
2/7/2023		0.025

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.029
2/7/2023		0.026

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.032
2/7/2023		0.033

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.012
2/7/2023		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.032
2/7/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.043
2/7/2023		0.039

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.029
2/7/2023		0.031

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.017
2/8/2023		0.017

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.011
2/8/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.011
2/7/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.017
2/8/2023		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.013
2/7/2023		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.011
2/8/2023		0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.018
2/8/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		0.022
2/8/2023		0.019

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		0.017
2/8/2023		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.03
2/8/2023		0.024

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/6/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.00027 (J)
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00057 (J)
2/8/2023		0.00071 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		<0.0025
2/8/2023		0.00022 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.00031 (J)
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/6/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	<0.0025	
7/11/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/16/2016	<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	
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	<0.0025	
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
8/3/2022		0.0001 (J)
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00057 (J)
2/8/2023		0.00058 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.00016 (J)
2/8/2023		0.00018 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.00016 (J)
2/8/2023		0.00011 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		0.00014 (J)
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.0025
2/8/2023		0.00013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/19/2016	<0.0025	
6/15/2016	<0.0025	
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	<0.0025	
4/1/2020	<0.0025	
9/16/2020	<0.0025	
3/17/2021	<0.0025	
8/19/2021	<0.0025	
2/23/2022		<0.0025
8/3/2022		0.00011 (J)
2/8/2023		9.5E-05 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/6/2023		0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		0.0021

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		0.0021

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-16
12/7/2015	<0.002	
12/14/2015	<0.002	
12/28/2015	<0.002	
1/25/2016	<0.002	
4/20/2016	<0.002	
6/15/2016	0.00072 (J)	
8/9/2016	<0.002	
9/27/2016	<0.002	
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	<0.002	
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)
8/2/2022		<0.002
2/7/2023		0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.0015 (J)
2/7/2023		0.0028

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		0.0019 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0015 (J)
2/7/2023		0.0024

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0031
2/8/2023		0.0038

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0046
2/8/2023		0.0059

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.0019 (J)
2/7/2023		0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0033
2/8/2023		0.0044

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0025
2/7/2023		0.0043

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.0017 (J)
2/8/2023		0.0026

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.002
2/8/2023		0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		0.0029
2/8/2023		0.0033

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.002
2/8/2023		0.0013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00044 (J)
2/6/2023		0.00049 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00038 (J)
2/7/2023		0.00043 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00042 (J)
2/7/2023		0.0004 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00049 (J)
2/7/2023		0.00047 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.0013 (J)
2/7/2023		0.0012 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00031 (J)
2/7/2023		0.00026 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.0017 (J)
2/7/2023		0.0013 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00085 (J)
2/7/2023		0.00094 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.00034 (J)
2/7/2023		0.0016 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.00068 (J)
2/7/2023		0.00058 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.0025
2/7/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.0025
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.00091 (J)
2/8/2023		0.00075 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/4/2022		0.00083 (J)
2/8/2023		0.00077 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		0.0016 (J)
2/8/2023		0.0014 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.00034 (J)
2/8/2023		<0.0025

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/6/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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	<0.002	
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	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/10/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/20/2013	<0.002	
7/19/2013	<0.002	
1/16/2014	<0.002	
7/10/2014	<0.002	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/14/2016	<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	
3/26/2019	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)
8/3/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/6/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.00043 (J)
2/7/2023		0.0015

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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	0.014 (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	<0.001	
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	<0.001	
3/16/2021	<0.001	
8/17/2021	<0.001	
2/22/2022		<0.001
8/2/2022		0.015
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.0037
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00029 (J)
2/7/2023		0.00035 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		0.00034 (J)
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/6/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		0.00061 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		0.00054 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.00086 (J)
2/7/2023		0.00083 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.00054 (J)
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.00078 (J)
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		0.00046 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0013
2/7/2023		0.0012

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0064
2/7/2023		0.00082 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0019
2/8/2023		0.0017

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.00086 (J)
2/7/2023		0.0011

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0051
2/8/2023		0.0012

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.001
2/8/2023		0.00083 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/4/2022		0.00065 (J)
2/8/2023		0.00064 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		0.0016
2/8/2023		0.0013

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.0015
2/8/2023		0.00084 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/6/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.005
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.005
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.005
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.005
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.005
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.005
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.005
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/6/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.001
2/7/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		<0.001
2/8/2023		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	0.00055 (J)	
1/12/2017	0.0018 (J)	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019	0.0018 (J)	
3/26/2019	<0.002	
9/10/2019	0.0027	
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
8/2/2022		<0.002
2/6/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	
6/14/2016	0.00033 (J)	
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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	
1/13/2016	<0.002	
1/25/2016	<0.002	
6/15/2016	0.0003 (J)	
1/11/2017	0.0017 (J)	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019	<0.002	
3/26/2019	0.0041	
9/11/2019	0.0016	
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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-16	GWA-16
12/7/2015	<0.002	
12/14/2015	<0.002	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	<0.002	
6/15/2016	0.00015 (J)	
1/11/2017	0.0015 (J)	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019	<0.002	
3/26/2019	0.0019	
9/10/2019	0.0019	
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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	0.0051	
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	0.00044 (J)	
1/10/2017	0.0014 (J)	
7/17/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019	<0.002	
3/27/2019	0.0019	
9/11/2019	0.0014	
4/1/2020	<0.002	
9/15/2020	<0.002	
3/16/2021	<0.002	
8/17/2021	<0.002	
2/22/2022		0.001
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	0.0031	
12/13/2007	<0.002	
6/20/2008	0.005	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/28/2009	<0.002	
6/22/2010	<0.002	
1/5/2011	0.056 (O)	
7/9/2011	0.0033	
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	0.00027 (J)	
1/10/2017	0.0015 (J)	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019	<0.002	
3/27/2019	0.0047	
9/11/2019	0.0012	
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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-4A	GWA-4A
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	0.0033	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/30/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/10/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/20/2013	<0.002	
7/19/2013	<0.002	
1/16/2014	<0.002	
7/10/2014	<0.002	
1/16/2015	<0.002	
6/20/2015	<0.002	
1/14/2016	<0.002	
6/14/2016	0.00028 (J)	
1/10/2017	0.0014 (J)	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019	<0.002	
3/26/2019	0.0027	
9/10/2019	0.0018	
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
8/3/2022		0.00097 (J)
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	0.0035 (J)	
1/14/2016	<0.002	
6/14/2016	0.00047 (J)	
1/11/2017	0.0016 (J)	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019	<0.002	
3/26/2019	0.0015	
9/10/2019	0.0018	
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
8/2/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	0.0032	
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	0.0017 (J)	
1/16/2016	<0.002	
6/15/2016	0.00031 (J)	
1/12/2017	0.0031	
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	0.0013	
4/1/2020	<0.002	
9/15/2020	<0.002	
3/16/2021	<0.002	
8/18/2021	0.0011	
2/23/2022		<0.002
8/3/2022		<0.002
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.002
2/8/2023		0.001 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0014
2/8/2023		0.00095 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	0.0004 (J)	
1/12/2017	0.0075 (o)	
7/20/2017	0.0015 (J)	
1/11/2018	<0.002	
7/12/2018	<0.002	
1/30/2019	<0.002	
3/27/2019	0.0078 (o)	
9/11/2019	0.0011	
4/1/2020	<0.002	
9/16/2020	<0.002	
3/16/2021	<0.002	
8/18/2021	<0.002	
2/23/2022		<0.002
8/3/2022		0.0016
2/7/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM View: Appendix I - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17	GWC-17
12/8/2015	<0.002	
12/14/2015	<0.002	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/26/2016	<0.002	
6/15/2016	0.00047 (J)	
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	0.004	
9/11/2019	0.0018	
4/1/2020	<0.002	
9/15/2020	<0.002	
3/16/2021	<0.002	
8/19/2021	0.0013	
2/22/2022		<0.002
8/2/2022		<0.002
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0028
2/7/2023		0.0038

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.0022
2/8/2023		0.00088 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	0.00054 (J)	
1/13/2017	0.0074	
7/25/2017	0.0034	
1/12/2018	<0.002	
7/11/2018	<0.002	
1/29/2019	<0.002	
3/27/2019	0.0031	
9/11/2019	0.0018	
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
8/3/2022		0.0017
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	
1/14/2016	<0.002	
1/25/2016	<0.002	
6/16/2016	0.00048 (J)	
1/12/2017	0.0058	
7/25/2017	0.0029	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/30/2019	<0.002	
3/27/2019	0.0049	
9/11/2019	0.0015	
4/1/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	0.001	
2/23/2022		<0.002
8/4/2022		0.0019
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	<0.002	
7/12/2018	<0.002	
1/30/2019	<0.002	
3/27/2019	0.0055	
9/11/2019	0.0015	
4/1/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	0.0011	
2/23/2022		<0.002
8/4/2022		0.00095 (J)
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/7/2023 10:57 AM 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	<0.002	
12/13/2007	<0.002	
6/20/2008	0.0037	
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	0.00019 (J)	
1/13/2017	0.0091 (o)	
7/24/2017	0.0027	
1/12/2018	<0.002	
7/12/2018	<0.002	
1/30/2019	<0.002	
3/27/2019	0.006	
9/11/2019	0.0015	
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
8/3/2022		0.0016
2/8/2023		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		<0.005
2/6/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0042 (J)
2/7/2023		0.0031 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0039 (J)
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0032 (J)
2/7/2023		0.0063

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0074
2/7/2023		0.0051

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.033
2/7/2023		0.0032 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.012
2/7/2023		0.0031 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0051
2/7/2023		0.0037 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0073
2/7/2023		0.0055

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0046 (J)
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0052
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0071
2/7/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/2/2022		0.0074
2/8/2023		0.0061

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/2/2022		0.0058
2/7/2023		0.0032 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.0057
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/3/2022		0.0042 (J)
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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)
8/4/2022		0.016
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/4/2022		0.016
2/8/2023		0.0046 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/7/2023 10:57 AM 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
8/3/2022		0.005
2/8/2023		<0.005

ND substitution: RL or RL/2 if <15% NDs.

FIGURE E.

Appendix III Intrawell Prediction Limits - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 11:02 AM

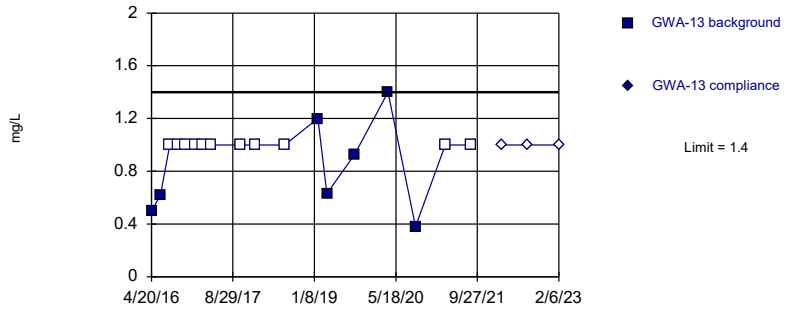
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWA-13	1.4	n/a	2/6/2023	1ND	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	2.481	n/a	2/7/2023	1ND	No	16	1.001	0.2444	31.25	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-15	1.2	n/a	2/7/2023	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-16	1	n/a	2/7/2023	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	2/7/2023	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	2/7/2023	1ND	No	18	0.6226	0.4296	44.44	Kaplan-Meier	x^3	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-4A	13.33	n/a	2/7/2023	1.7	No	18	6.884	2.809	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-5	1	n/a	2/7/2023	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-1	2.421	n/a	2/7/2023	0.64J	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	2/8/2023	1.8	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	2/8/2023	1.9	No	18	4.554	0.7201	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	2/7/2023	1ND	No	18	n/a	n/a	61.11	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	1.8	n/a	2/8/2023	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	2/7/2023	2	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	2/8/2023	2	No	18	1.956	0.4137	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	2.893	n/a	2/8/2023	0.5ND	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	2/8/2023	1ND	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	2/8/2023	1.7	No	17	2.418	0.5151	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-9	4.1	n/a	2/8/2023	1ND	No	18	n/a	n/a	38.89	n/a	n/a	0.005373	NP Intra (normality) 1 of 2

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

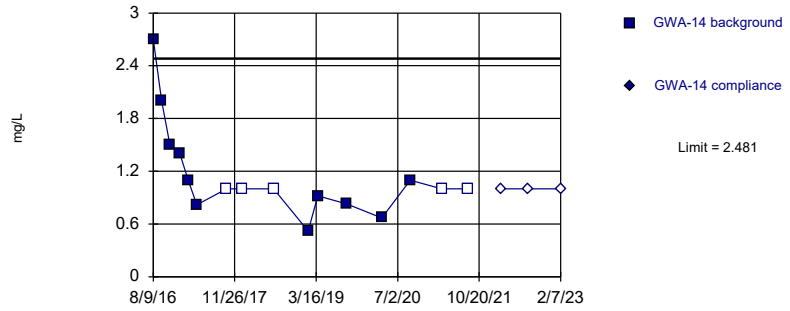
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

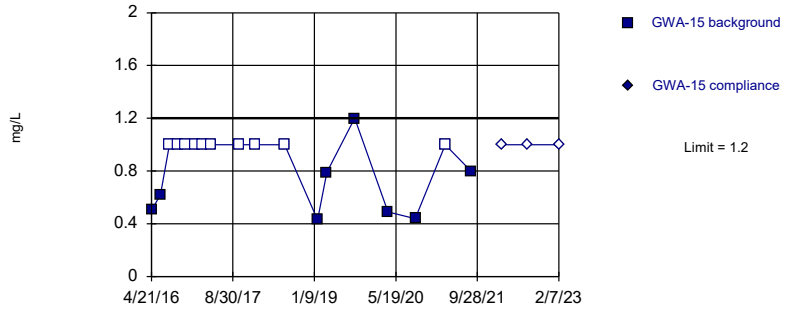
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

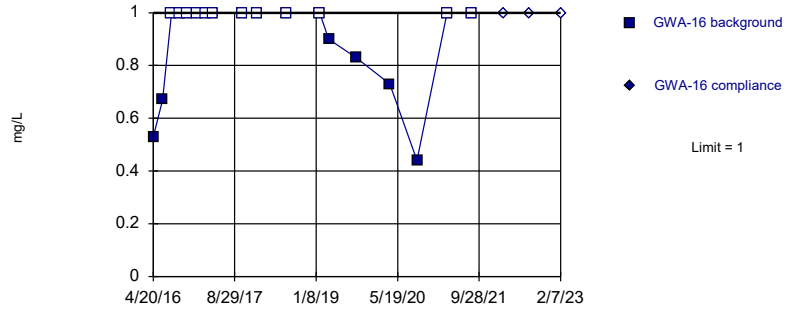
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

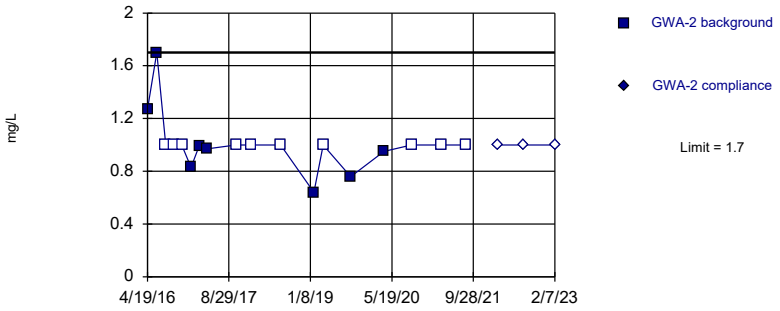
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

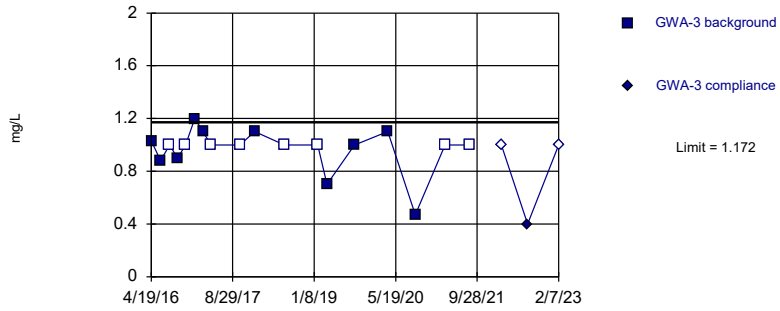
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
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.

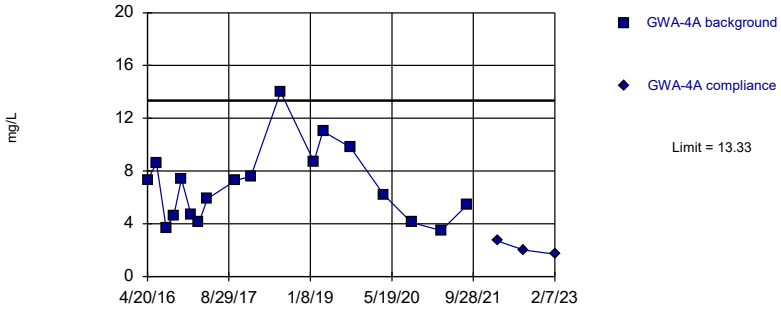
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

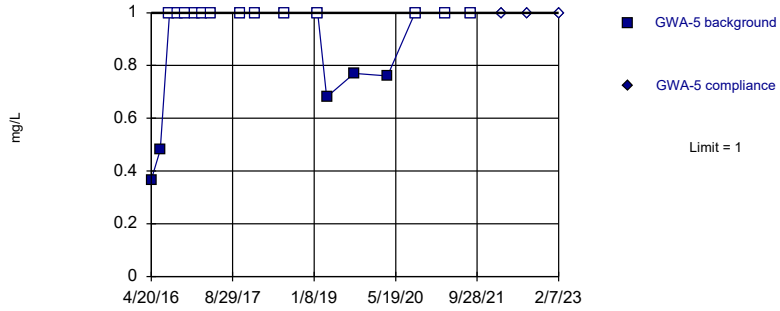
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

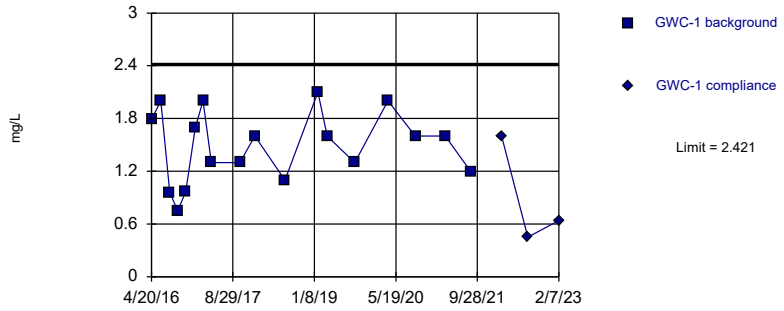
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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 3/7/2023 11:01 AM View: Appendix III - Intrawell

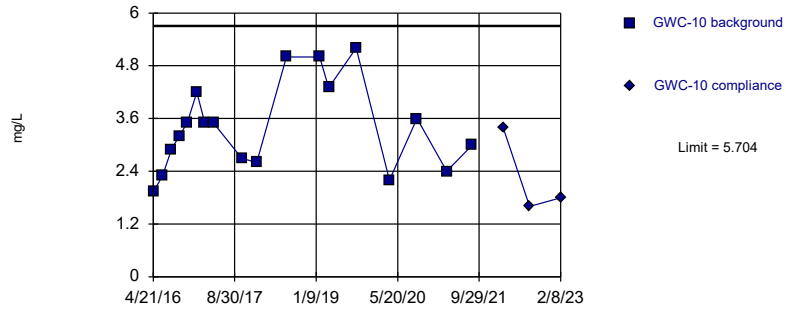
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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 3/7/2023 11:01 AM View: Appendix III - Intrawell

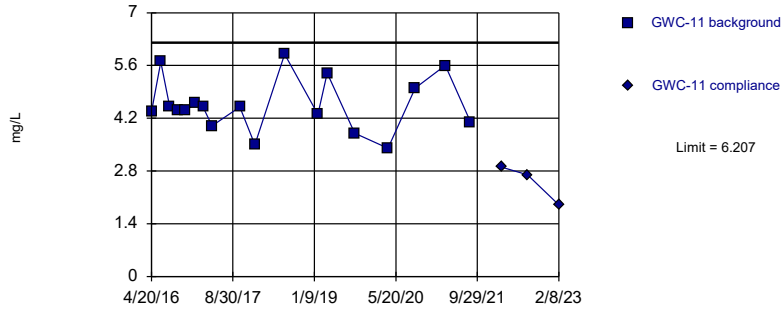
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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 3/7/2023 11:01 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

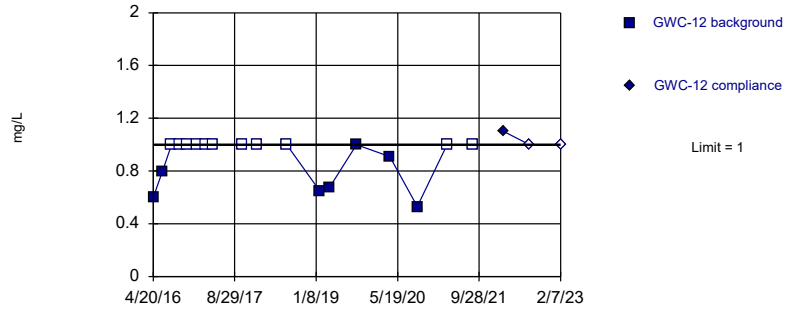
Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

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 3/7/2023 11:01 AM View: Appendix III - Intrawell

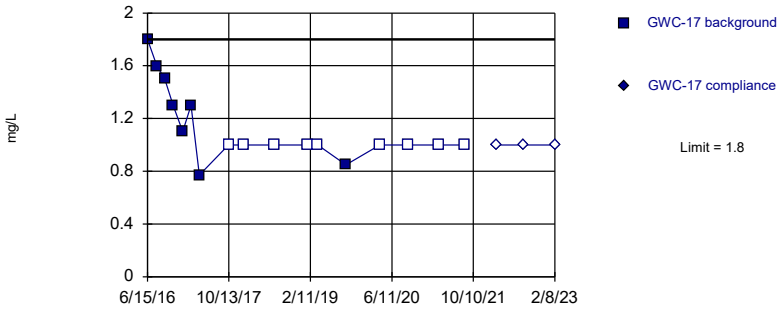
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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).

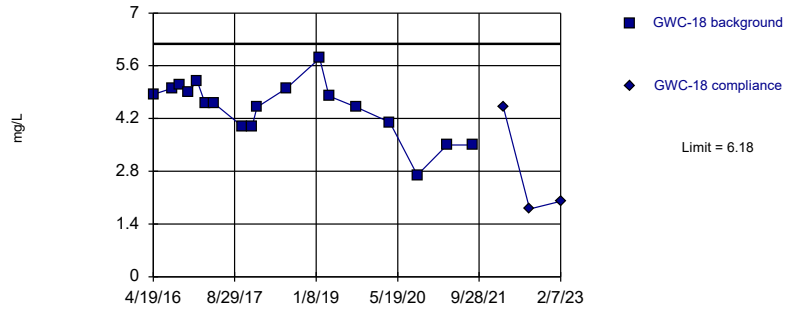
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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.

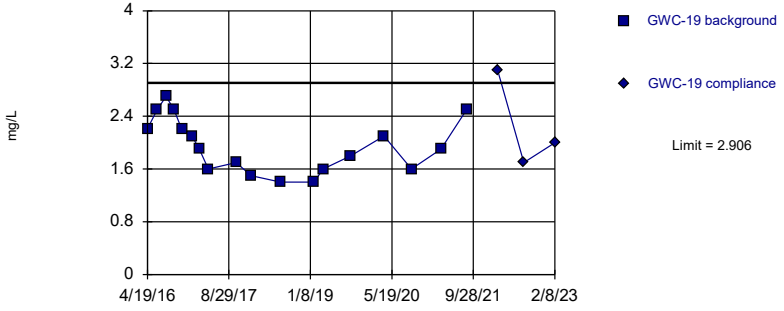
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Within 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.

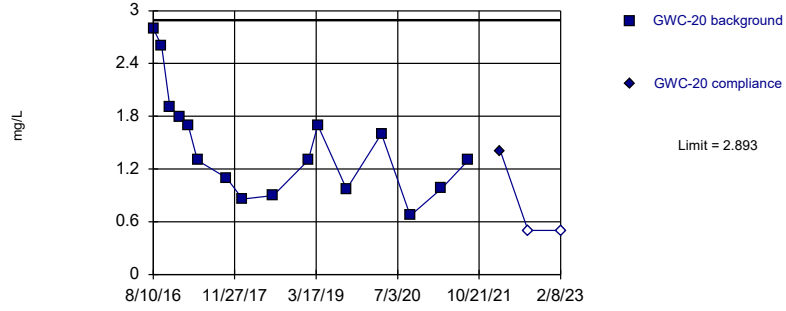
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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.

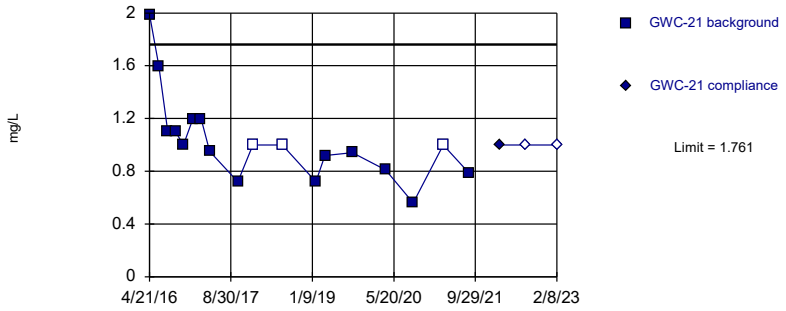
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
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.

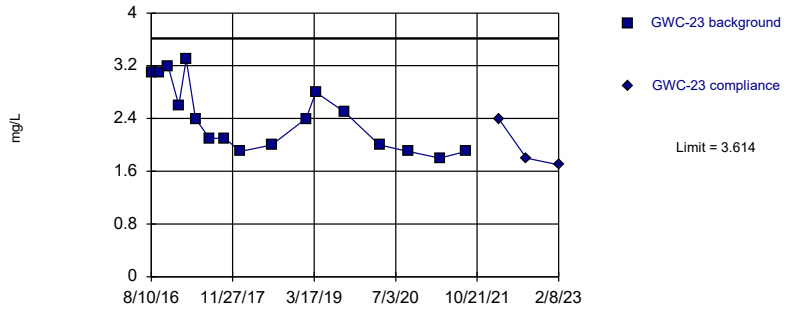
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

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.

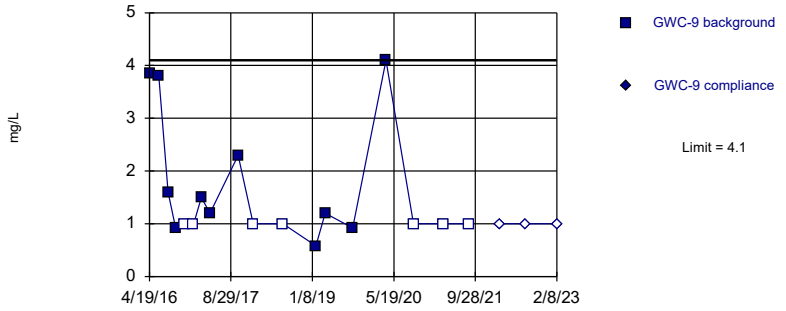
Constituent: Sulfate Analysis Run 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. 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 3/7/2023 11:01 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		<1
2/6/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		<1
2/7/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		<1
2/7/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		<1
2/7/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		<1
2/7/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		0.4 (J)
2/7/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/3/2022		2
2/7/2023		1.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		<1
2/7/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/3/2022		0.45 (J)
2/7/2023		0.64 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/3/2022		1.6
2/8/2023		1.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		2.7
2/8/2023		1.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/3/2022		<1
2/7/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		<1
2/8/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/2/2022		1.8
2/7/2023		2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/3/2022		1.7
2/8/2023		2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/3/2022		<1
2/8/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/4/2022		<1
2/8/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/4/2022		1.8
2/8/2023		1.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/7/2023 11:02 AM 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
8/3/2022		<1
2/8/2023		<1

ND substitution: RL or RL/2 if <15% NDs.

FIGURE F.

Appendix III Interwell Prediction Limits - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 3/7/2023, 11:06 AM

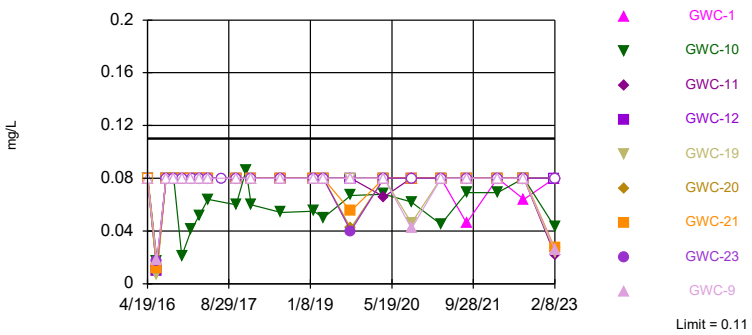
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.11	n/a	2/7/2023	0.08ND	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.11	n/a	2/8/2023	0.043J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.11	n/a	2/8/2023	0.022J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.11	n/a	2/7/2023	0.08ND	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.11	n/a	2/8/2023	0.024J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.11	n/a	2/8/2023	0.08ND	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.11	n/a	2/8/2023	0.027J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.11	n/a	2/8/2023	0.08ND	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.11	n/a	2/8/2023	0.026J	No	210	n/a	n/a	87.62	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	2/7/2023	1	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	2/8/2023	22	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	2/8/2023	9.6	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	2/7/2023	0.73	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	2/8/2023	6.4	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	2/8/2023	1.4	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	2/8/2023	1	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	2/8/2023	1.2	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	2/8/2023	2.9	No	211	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	9.4	n/a	2/7/2023	4.5	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	9.4	n/a	2/8/2023	5.6	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	9.4	n/a	2/8/2023	4.3	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	9.4	n/a	2/7/2023	3.5	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	9.4	n/a	2/8/2023	5.2	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	9.4	n/a	2/8/2023	6.8	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	9.4	n/a	2/8/2023	5.9	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	9.4	n/a	2/8/2023	4.9	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	9.4	n/a	2/8/2023	7.4	No	209	n/a	n/a	0	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.74	n/a	2/7/2023	0.1ND	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	2/8/2023	0.1	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	2/8/2023	0.31	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	2/7/2023	0.1ND	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	2/8/2023	0.1	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	2/8/2023	0.052J	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	2/8/2023	0.1ND	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	2/8/2023	0.1ND	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	2/8/2023	0.061J	No	211	n/a	n/a	64.45	n/a	n/a	0.00004916	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	2/7/2023	5.07	No	230	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	2/8/2023	6.31	No	230	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	2/8/2023	6.24	No	230	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	2/7/2023	5.07	No	230	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	2/8/2023	5.59	No	230	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	2/8/2023	4.84	No	230	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	2/8/2023	4.85	No	230	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	2/8/2023	5.08	No	230	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	2/8/2023	5.31	No	230	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	2/7/2023	34	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	2/8/2023	130	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	2/8/2023	71	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	2/7/2023	27	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	2/8/2023	54	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	2/8/2023	31	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	2/8/2023	32	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	2/8/2023	31	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	2/8/2023	44	No	210	n/a	n/a	10.48	n/a	n/a	0.00004916	NP Inter (normality) 1 of 2

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 210 background values. 87.62% NDs. Annual per-constituent alpha = 0.0008845. Individual comparison alpha = 0.00004916 (1 of 2). Comparing 9 points to limit.

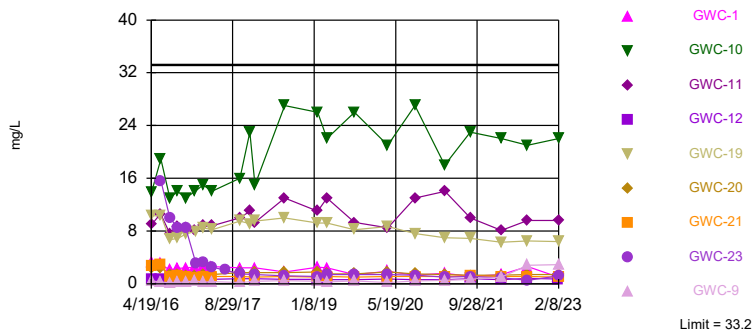
Constituent: Boron Analysis Run 3/7/2023 11:03 AM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 211 background values. Annual per-constituent alpha = 0.0008845. Individual comparison alpha = 0.00004916 (1 of 2). Comparing 9 points to limit.

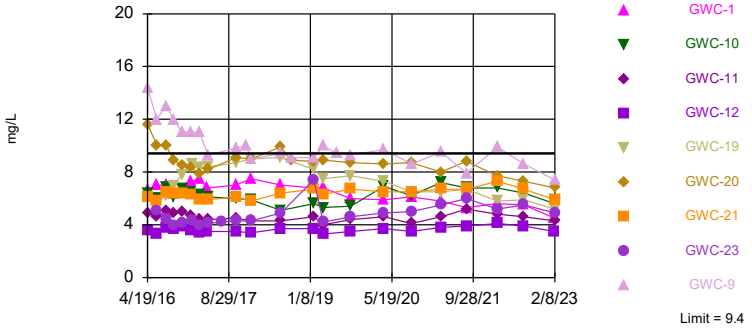
Constituent: Calcium Analysis Run 3/7/2023 11:03 AM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 209 background values. Annual per-constituent alpha = 0.0008845. Individual comparison alpha = 0.00004916 (1 of 2). Comparing 9 points to limit.

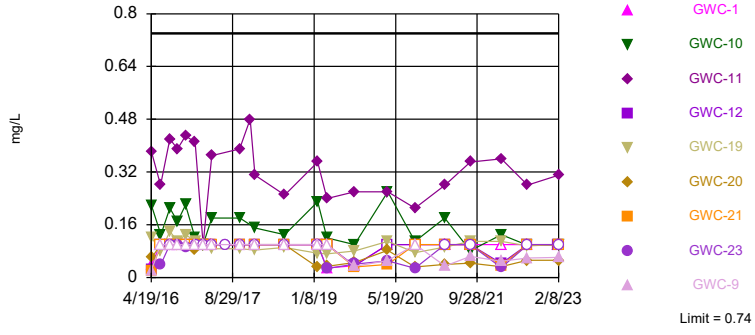
Constituent: Chloride Analysis Run 3/7/2023 11:03 AM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 211 background values. 64.45% NDs. Annual per-constituent alpha = 0.0008845. Individual comparison alpha = 0.00004916 (1 of 2). Comparing 9 points to limit.

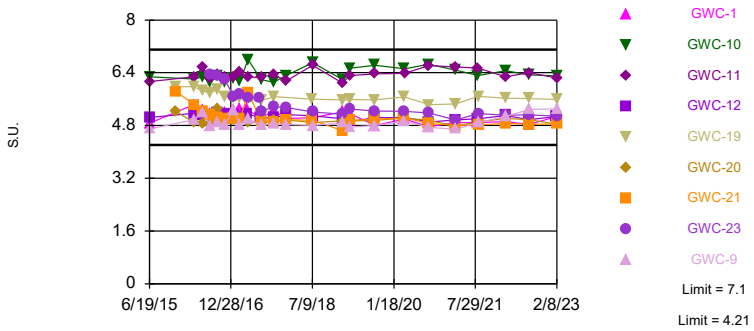
Constituent: Fluoride Analysis Run 3/7/2023 11:03 AM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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 230 background values. Annual per-constituent alpha = 0.001769. Individual comparison alpha = 0.00009831 (1 of 2). Comparing 9 points to limit.

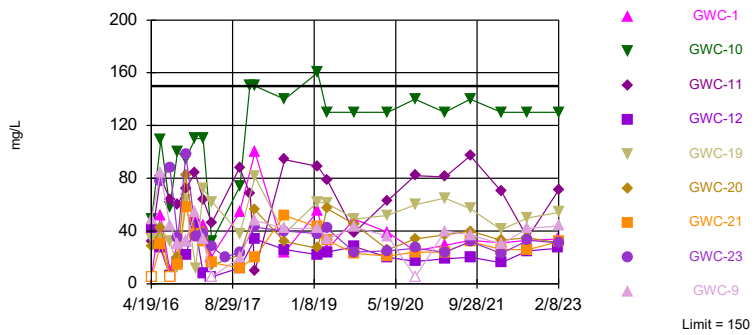
Constituent: pH Analysis Run 3/7/2023 11:03 AM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.36 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 210 background values. 10.48% NDs. Annual per-constituent alpha = 0.0008845. Individual comparison alpha = 0.00004916 (1 of 2). Comparing 9 points to limit.

Constituent: Total Dissolved Solids Analysis Run 3/7/2023 11:03 AM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWA-3 (bg)	GWC-9	GWA-4A (bg)	GWC-17 (bg)	GWA-5 (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			0.012 (J)	0.0077 (J)		0.01 (J)		0.011 (J)	0.0098 (J)
6/15/2016					0.018 (J)		0.0095 (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			0.022 (J)	<0.08		<0.08		<0.08	<0.08
3/1/2017	<0.08	<0.08			<0.08		<0.08		
3/2/2017									
4/19/2017			<0.08	<0.08					
4/20/2017						<0.08	<0.08	<0.08	<0.08
4/24/2017					<0.08				
4/25/2017	<0.08	<0.08							
7/13/2017									
10/10/2017			<0.08			<0.08			
10/11/2017				<0.08			<0.08	<0.08	<0.08
10/12/2017	<0.08	<0.08			<0.08				
12/12/2017									
1/10/2018			<0.08	<0.08		<0.08		<0.08	
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
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08		
9/10/2019						0.052 (J)		<0.08	<0.08
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08		
3/31/2020						<0.08		<0.08	
4/1/2020	<0.08	<0.08	0.042 (J)	<0.08	<0.08		<0.08		<0.08
4/2/2020									
9/15/2020	<0.08		<0.08	0.061 (J)			<0.08	0.047 (J)	<0.08
9/16/2020		0.046 (J)			0.042 (J)	0.056 (J)			
3/16/2021		<0.08	<0.08	<0.08			<0.08		<0.08
3/17/2021	<0.08				<0.08	<0.08		<0.08	
8/17/2021			0.069 (J)	<0.08					0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWA-3 (bg)	GWC-9	GWA-4A (bg)	GWC-17 (bg)	GWA-5 (bg)	GWA-14 (bg)
8/18/2021									
8/19/2021	<0.08	<0.08			<0.08	<0.08	<0.08	<0.08	
2/22/2022			0.11	0.065 (J)			<0.08	<0.08	<0.08
2/23/2022	<0.08	<0.08			<0.08	0.096			
8/2/2022	<0.08		<0.08	<0.08			<0.08	<0.08	<0.08
8/3/2022		<0.08			<0.08	<0.08			
8/4/2022									
2/6/2023									
2/7/2023	<0.08		<0.08	<0.08		0.022 (J)		0.024 (J)	<0.08
2/8/2023		0.024 (J)			0.026 (J)		<0.08		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-1	GWA-16 (bg)	GWC-12	GWA-13 (bg)	GWC-20	GWC-21	GWA-15 (bg)	GWC-10
4/19/2016									
4/20/2016	<0.08	<0.08	<0.08	<0.08	<0.08				
4/21/2016						<0.08	<0.08	<0.08	<0.08
6/14/2016					0.0086 (J)				
6/15/2016	0.011 (J)	0.017 (J)	0.0085 (J)	0.01 (J)				0.0095 (J)	
6/16/2016						0.012 (J)	0.012 (J)		0.017 (J)
8/9/2016			<0.08		<0.08			<0.08	
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	<0.08	<0.08	0.021 (J)
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	<0.08		0.052
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	<0.08		0.06
12/12/2017									0.086
1/10/2018					<0.08				
1/11/2018	<0.08	<0.08	<0.08	<0.08			<0.08	<0.08	0.06
1/12/2018						<0.08			
7/11/2018			<0.08		<0.08	<0.08	<0.08	<0.08	
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			<0.08	
3/27/2019	<0.08	<0.08		<0.08		<0.08	<0.08		0.05
9/10/2019			<0.08		0.061 (J)				
9/11/2019	<0.08	<0.08		<0.08		0.042 (J)	0.055 (J)	<0.08	0.067 (J)
3/31/2020					<0.08				
4/1/2020		<0.08	<0.08	<0.08		<0.08	<0.08	<0.08	0.068 (J)
4/2/2020	0.066 (J)								
9/15/2020	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08	<0.08	0.062 (J)
9/16/2020				<0.08					
3/16/2021		<0.08	<0.08	<0.08	<0.08	<0.08			0.045 (J)
3/17/2021	<0.08						<0.08	<0.08	
8/17/2021			0.061 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-11	GWC-1	GWA-16 (bg)	GWC-12	GWA-13 (bg)	GWC-20	GWC-21	GWA-15 (bg)	GWC-10
8/18/2021	<0.08	0.046 (J)		<0.08	0.044 (J)				0.069 (J)
8/19/2021						<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)
8/2/2022	<0.08		<0.08		<0.08			<0.08	
8/3/2022		0.064 (J)		<0.08		<0.08			<0.08
8/4/2022							<0.08		
2/6/2023					<0.08				
2/7/2023		<0.08	<0.08	<0.08				<0.08	
2/8/2023	0.022 (J)					<0.08	0.027 (J)		0.043 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/7/2023 11:06 AM 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 3/7/2023 11:06 AM 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
8/2/2022	
8/3/2022	
8/4/2022	<0.08
2/6/2023	
2/7/2023	
2/8/2023	<0.08

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWC-17 (bg)	GWC-1
4/19/2016	26	10.3	1.13	0.485 (J)	0.431 (J)				
4/20/2016						0.389 (J)	8.94	2.48	3.22
4/21/2016									
6/14/2016			1	0.72		0.37 (J)			
6/15/2016					0.27 (J)		10.6	2.2	3
6/16/2016	33.2	10.4							
8/9/2016			0.71	0.24 (J)		0.14 (J)		1.8	
8/10/2016		6.7			0.13 (J)		7.6		2.1
8/11/2016	18								
9/26/2016				0.48					
9/27/2016			0.77		0.21 (J)	0.33	8.7	1.9	2.3
9/28/2016	17	6.9							
11/14/2016			0.75						
11/15/2016		7.5		0.54	0.27	0.28	8.4	2.1	2.4
11/16/2016	17								
1/10/2017			0.73	0.62					
1/11/2017	15							2	
1/12/2017						0.37	8.1		2.5
1/13/2017					0.41				
1/16/2017		8							
1/17/2017									
2/28/2017			0.76	0.91		0.26			
3/1/2017	16	8.5			0.25		8.9	2.1	2.7
3/2/2017									
4/19/2017			0.69	0.75					
4/20/2017						0.27		2	2.6
4/24/2017					0.34		8.8		
4/25/2017	17	8.2							
7/13/2017									
10/10/2017				0.54					
10/11/2017			0.73			0.3	10	2.1	2.4
10/12/2017	14	9.5			0.21 (J)				
12/12/2017		9.1							
12/13/2017	12						11		
1/10/2018			0.88	0.52		0.27			
1/11/2018							9.3	2.1	2.4
1/12/2018	15	9.5			0.4				
7/11/2018	12	10	0.81	0.5		0.32		2.1	
7/12/2018					0.49		13		1.8
1/29/2019		9.2	0.85	0.53		0.33		2.2	
1/30/2019	14				0.38 (J)		11		2.5
3/26/2019						0.3			
3/27/2019	11	9.2	0.73	0.37	0.28		13	2	2.4
9/10/2019						0.37 (J)			
9/11/2019	13	8.2	0.76	0.43 (J)	0.44 (J)		9.3	2	1.4
3/31/2020						0.42 (J)			
4/1/2020	11	8.7	0.72	0.47 (J)	0.2 (J)			2.1	1.9
4/2/2020							8.5		
9/15/2020	10		0.84	0.42 (J)		0.32 (J)	13	2	1.3
9/16/2020		7.6			0.45 (J)				
3/16/2021		7	0.75	0.4 (J)		0.4 (J)		2	1.6
3/17/2021	9.1				0.51		14		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWC-17 (bg)	GWC-1
8/17/2021			0.81	0.4 (J)					
8/18/2021						0.51	10		1.1
8/19/2021	9.3	6.9			0.67			2.2	
2/22/2022			0.72	0.42 (J)		0.35 (J)		2	
2/23/2022	9.1	6.3			1		8.1		1.4
8/2/2022	11		0.7	0.51		0.36 (J)	9.6	2	
8/3/2022		6.5			2.8				2.6
8/4/2022									
2/6/2023						0.53			
2/7/2023	15		0.66	0.38 (J)					1
2/8/2023		6.4			2.9		9.6	2.4	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-12	GWC-10	GWA-15 (bg)	GWC-21	GWC-20
4/19/2016									
4/20/2016	4.39	1.12	0.472 (J)	0.686	0.69				
4/21/2016						13.9	0.686	2.78	2.29
6/14/2016	2.4	1.1		0.62					
6/15/2016			0.42 (J)		0.69		0.61		
6/16/2016						18.9		2.9	2.4
8/9/2016	2		0.19	0.39			0.21 (J)		
8/10/2016					0.45	13		0.99	1.4
8/11/2016		1.9							
9/26/2016									
9/27/2016	2.9	3.4	0.39	0.52	0.61	14	0.4	1.3	1.4
9/28/2016									
11/14/2016		3.1							
11/15/2016	2.5		0.39	0.5	0.61	13	0.35	1.1	1.3
11/16/2016									
1/10/2017		1.5							
1/11/2017	2.5		0.36	0.47			0.34		
1/12/2017					0.6	14		0.93	
1/13/2017									1.3
1/16/2017									
1/17/2017									
2/28/2017	2.7	1.1		0.47			0.37		
3/1/2017			0.38		0.61	15		1	1.4
3/2/2017									
4/19/2017									
4/20/2017	2.8	0.98	0.41	0.5	0.65		0.43		
4/24/2017						14		1.1	
4/25/2017									1.4
7/13/2017									
10/10/2017		0.8							
10/11/2017	3.3		0.4	0.49			0.41		
10/12/2017					0.76	16		1.1	1.7
12/12/2017						23			
12/13/2017									
1/10/2018	3.3	0.82							
1/11/2018			0.43	0.51	0.78	15	0.41	1	
1/12/2018									1.7
7/11/2018	3	1	0.45	0.47			0.53	1.1	1.7
7/12/2018					0.67	27			
1/29/2019	3.3	0.83	0.41	0.51			0.91		1.8
1/30/2019					0.68 (J)	26		1 (J)	
3/26/2019	2.8	0.53	0.37	0.42			0.58		
3/27/2019					0.62	22		1.1	1.5
9/10/2019	2.3	0.64	0.41 (J)	0.47 (J)					
9/11/2019					0.62	26	0.42 (J)	1	1.5
3/31/2020	2.9	0.8							
4/1/2020			0.43 (J)	0.49 (J)	0.7	21	2.3	1.1	1.8
4/2/2020									
9/15/2020	2.2		0.42 (J)	0.6		27	0.38 (J)	1.1	1.5
9/16/2020		0.43 (J)			0.64				
3/16/2021			0.48 (J)	0.51	0.62	18			1.4
3/17/2021	2.4	0.33 (J)					5.5	1.1	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-12	GWC-10	GWA-15 (bg)	GWC-21	GWC-20
8/17/2021			0.46 (J)	0.47 (J)					
8/18/2021					0.75	23			
8/19/2021	2.4	0.3 (J)					0.49 (J)	1.2	1.3
2/22/2022	2.3		0.43 (J)	0.52			0.92		1.3
2/23/2022		0.35 (J)			0.64	22		1.1	
8/2/2022	2.5		0.44 (J)	0.7			0.42 (J)		
8/3/2022		1.1			0.82	21			1.4
8/4/2022								1.1	
2/6/2023									
2/7/2023	2.1	0.46 (J)	0.45 (J)	0.58	0.73		1.9		
2/8/2023						22		1	1.4

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/7/2023 11:06 AM 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 3/7/2023 11:06 AM 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
8/2/2022	
8/3/2022	
8/4/2022	0.51
2/6/2023	
2/7/2023	
2/8/2023	1.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-12	GWC-11	GWC-1
4/19/2016	5.03	6.1	9.4	5.01	14.4				
4/20/2016						3.49	3.61	4.9	6.68
4/21/2016									
6/14/2016			8.3	5		3.4			
6/15/2016					12		3.3	4.6	7
6/16/2016	4.7	5.7							
8/9/2016			8.6	5.1		3.7			
8/10/2016		6.2			13		3.8	5.1	7
8/11/2016	5.3								
9/26/2016				5.1					
9/27/2016			6.3		12	3.8	3.7	4.9	6.4
9/28/2016	5.1	6.9							
11/14/2016			6.1						
11/15/2016		7.8		5.2	11	3.8	3.9	5	6.6
11/16/2016	5.2								
1/10/2017			6.1	4.9					
1/11/2017	5								
1/12/2017						3.5	3.6	4.7	7.3
1/13/2017					11				
1/16/2017		8.6							
1/17/2017									
2/28/2017			6.2	4.7		3.6			
3/1/2017	4.6	8.3			11		3.4	4.4	7.5
3/2/2017									
4/19/2017			5	4.4					
4/20/2017						3.4	3.5		6.8
4/24/2017					9.3			4.4	
4/25/2017	4.6	8.4							
7/13/2017									
10/10/2017				4.7					
10/11/2017			4.1			3.4		4.5	7
10/12/2017	4.6	8.7			9.8		3.5		
12/12/2017					10				
1/10/2018			4.2	4.6		3.4			
1/11/2018							3.4	4.3	7.5
1/12/2018	4.5	9			9				
7/11/2018	4.9	9.1	4.3	5		3.4			
7/12/2018					9.4		3.7	4.3	7
9/13/2018					9.1				
1/29/2019		8.2	4	5		3.6			
1/30/2019	4.8				9.1		3.7	4.6	6.8
3/26/2019						3.5			
3/27/2019	4.3	7.5	3.5	4.5	10		3.3	4	6.8
6/17/2019					9.4				
9/10/2019						3.3			
9/11/2019	4.5	7.7	3.5	4.8	9.3		3.5	4.4	6
3/31/2020						3.7			
4/1/2020	4.7	7.3	3.7	4.9	9.7		3.7		5.9
4/2/2020								4.6	
9/15/2020	4.4		3.4	4.9		3.5		4.1	6.1
9/16/2020		6.5			8.6		3.5		
3/16/2021		6.5	3.6	4.9		4	3.8		5.8

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-12	GWC-11	GWC-1
3/17/2021	4.7				9.5			4.6	
8/17/2021			3.5	5.4					
8/18/2021						4.1	3.9	5.2	5.3
8/19/2021	5.1	6.7			7.9				
2/22/2022			3.4	4.6		3.8			
2/23/2022	5	5.8			9.9		4.1	4.8	5.6
8/2/2022	4.6		3.5	4.7		3.7		4.6	
8/3/2022		5.9			8.6		3.9		5.5
8/4/2022									
2/6/2023						3.3			
2/7/2023	4.3		3.1	4.2			3.5		4.5
2/8/2023		5.2			7.4			4.3	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-17 (bg)	GWA-15 (bg)	GWC-10	GWC-21	GWC-20
4/19/2016									
4/20/2016	3.69	2.93	3.92	4.55	4.25				
4/21/2016						3.99	6.41	6.08	11.6
6/14/2016	3.5	2.9		4.3					
6/15/2016			3.8		4.1	3.5			
6/16/2016							6	5.8	10
8/9/2016	3.7		4	4.5	4.5	4			
8/10/2016							6.8	6.5	10
8/11/2016		3.6							
9/26/2016									
9/27/2016	3.6	3.4	3.9	4.4	4.4	3.9	6.1	6.4	8.9
9/28/2016									
11/14/2016		4.2							
11/15/2016	3.7		4	4.5	4.5	4	6.7	6.4	8.5
11/16/2016									
1/10/2017		3.6							
1/11/2017	3.5		3.7	4.3	4.2	3.8			
1/12/2017							6.5	6.3	
1/13/2017									8.3
1/16/2017									
1/17/2017									
2/28/2017	3.3	3.3		4		3.5			
3/1/2017			3.5		3.9		6.3	5.9	7.9
3/2/2017									
4/19/2017									
4/20/2017	3.3	3.5	3.6	4	4	3.3			
4/24/2017							6.1	5.9	
4/25/2017									8.2
7/13/2017									
10/10/2017		3.9							
10/11/2017	3.2		3.5	4	4.1	3.5			
10/12/2017							6	6.1	9.1
12/12/2017									
1/10/2018	3.2	3.3							
1/11/2018			3.4	3.9	4.1	3.4	5.9	5.8	
1/12/2018									9
7/11/2018	3.5	3.2	3.7	4.2	4.4	3.8		6.4	9.9
7/12/2018							5.1		
9/13/2018									8.9
1/29/2019	3.6	3.4	3.8	4	4.5	3.7			8.8
1/30/2019							5.6	6.7	
3/26/2019	3.6	3.7	3.6	4.1		3.8			
3/27/2019					4.1		5.3	6.3	8.9
6/17/2019									
9/10/2019	3.5	3.6	3.7	4					
9/11/2019					4.3	3.7	5.4	6.7	8.7
3/31/2020	4.1	4.9							
4/1/2020			3.8	4.2	4.6	3.8	6.9	6.5	8.6
4/2/2020									
9/15/2020	18 (o)		3.7	4.3	4.3	3.6	6.2	6.5	8.7
9/16/2020		3.5							
3/16/2021			4.1	4.1	4.9		7.2		8

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-17 (bg)	GWA-15 (bg)	GWC-10	GWC-21	GWC-20
3/17/2021	4.2	4.5				4		6.7	
8/17/2021			4	4.3					
8/18/2021							6.8		
8/19/2021	4.3	3.5			4.8	4.3		6.7	8.8
2/22/2022	3.8		3.7	4	4.5	3.7			7.7
2/23/2022		3.7					6.8	7.3	
8/2/2022	4		3.9	4.3	4.7	3.7			
8/3/2022		3.4					6.4		7.3
8/4/2022								6.7	
2/6/2023									
2/7/2023	3.8	3.2	3.7	4		3.6			
2/8/2023					4.5		5.6	5.9	6.8

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/7/2023 11:06 AM 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 3/7/2023 11:06 AM 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
8/2/2022	
8/3/2022	
8/4/2022	5.5
2/6/2023	
2/7/2023	
2/8/2023	4.9

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWC-17 (bg)	GWC-1
4/19/2016	0.706	0.122 (J)	0.022 (J)	0.03 (J)	0.02 (J)				
4/20/2016						0.018 (J)	0.383	0.147 (J)	0.04 (J)
4/21/2016									
6/14/2016			<0.1	0.02 (J)		<0.1			
6/15/2016					<0.1		0.28 (J)	0.1 (J)	<0.1
6/16/2016	0.56	0.08 (J)							
8/9/2016			<0.1	<0.1		<0.1		0.16 (J)	
8/10/2016		0.14 (J)			<0.1		0.42		<0.1
8/11/2016	0.74								
9/26/2016				<0.1					
9/27/2016			<0.1		<0.1	<0.1	0.39	0.14 (J)	<0.1
9/28/2016	0.7	0.11 (J)							
11/14/2016			<0.1						
11/15/2016		0.13 (J)		<0.1	<0.1	<0.1	0.43	0.16 (J)	<0.1
11/16/2016	0.71								
1/10/2017			<0.1	<0.1					
1/11/2017	0.51							0.16 (J)	
1/12/2017						<0.1	0.41		<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			
3/1/2017	0.61	<0.1			<0.1		<0.1	<0.1	<0.1
3/2/2017									
4/19/2017			<0.1	<0.1					
4/20/2017						<0.1		0.12 (J)	<0.1
4/24/2017					<0.1		0.37		
4/25/2017	0.65	0.087 (J)							
7/13/2017									
10/10/2017				<0.1					
10/11/2017			<0.1			<0.1	0.39	0.11 (J)	<0.1
10/12/2017	0.6	0.087 (J)			<0.1				
12/13/2017	0.61						0.48		
1/10/2018			<0.1	<0.1		<0.1			
1/11/2018							0.31	0.12 (J)	<0.1
1/12/2018	0.55	0.083 (J)			<0.1				
7/11/2018	0.59	0.091 (J)	<0.1	<0.1		<0.1		0.13 (J)	
7/12/2018					<0.1		0.25		<0.1
1/29/2019		0.074 (J)	<0.1	<0.1		<0.1		0.13 (J)	
1/30/2019	0.65				<0.1		0.35		<0.1
3/26/2019						<0.1			
3/27/2019	0.49	0.072	<0.1	<0.1	<0.1		0.24	0.1	0.029
9/10/2019						0.034 (J)			
9/11/2019	0.47	0.08 (J)	0.033 (J)	0.037 (J)	0.034 (J)		0.26	0.099 (J)	0.036 (J)
3/31/2020						0.046 (J)			
4/1/2020	0.59	0.11	<0.1	<0.1	0.051 (J)			0.15	<0.1
4/2/2020							0.26		
9/15/2020	0.49		<0.1	0.029 (J)		<0.1	0.21	0.099 (J)	<0.1
9/16/2020		0.076 (J)			<0.1				
3/16/2021		0.092 (J)	<0.1	0.033 (J)		<0.1		0.13	<0.1
3/17/2021	0.54				0.035 (J)		0.28		
8/17/2021			0.043 (J)	0.073 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWC-17 (bg)	GWC-1
8/18/2021						<0.1	0.35		<0.1
8/19/2021	0.62	0.11			0.064 (J)			0.15	
2/22/2022			<0.1	<0.1		<0.1		0.062 (J)	
2/23/2022	0.66	0.11			0.049 (J)		0.36		<0.1
8/2/2022	0.54		<0.1	<0.1		<0.1	0.28	0.12	
8/3/2022		0.096 (J)			0.059 (J)				<0.1
8/4/2022									
2/6/2023						<0.1			
2/7/2023	0.53		<0.1	0.048 (J)					<0.1
2/8/2023		0.1			0.061 (J)		0.31	0.13	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-12	GWC-21	GWA-15 (bg)	GWC-20	GWC-10
4/19/2016									
4/20/2016	0.032 (J)	0.028 (J)	0.022 (J)	0.021 (J)	0.026 (J)				
4/21/2016						0.022 (J)	0.019 (J)	0.06 (J)	0.217 (J)
6/14/2016	<0.1	<0.1		<0.1					
6/15/2016			<0.1		<0.1		<0.1		
6/16/2016						<0.1		<0.1	0.13 (J)
8/9/2016	<0.1		<0.1	<0.1			<0.1		
8/10/2016					<0.1	<0.1		<0.1	0.21
8/11/2016		<0.1							
9/26/2016									
9/27/2016	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.17 (J)
9/28/2016									
11/14/2016		<0.1							
11/15/2016	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.22
11/16/2016									
1/10/2017		<0.1							
1/11/2017	<0.1		<0.1	<0.1			<0.1		
1/12/2017					<0.1	<0.1			0.12 (J)
1/13/2017								0.083 (J)	
1/16/2017									
1/17/2017									
2/28/2017	<0.1	<0.1		<0.1			<0.1		
3/1/2017			<0.1		<0.1	<0.1		<0.1	<0.1
3/2/2017									
4/19/2017									
4/20/2017	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1		
4/24/2017						<0.1			0.18 (J)
4/25/2017								<0.1	
7/13/2017									
10/10/2017		<0.1							
10/11/2017	<0.1		<0.1	<0.1			<0.1		
10/12/2017					<0.1	<0.1		<0.1	0.18 (J)
12/13/2017									
1/10/2018	<0.1	<0.1							
1/11/2018			<0.1	<0.1	<0.1	<0.1	<0.1		0.15 (J)
1/12/2018								<0.1	
7/11/2018	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	
7/12/2018					<0.1				0.13 (J)
1/29/2019	<0.1	<0.1	<0.1	<0.1			<0.1	0.031 (J)	
1/30/2019					<0.1	<0.1			0.23 (J)
3/26/2019	0.028	<0.1	<0.1	<0.1			<0.1		
3/27/2019					<0.1	<0.1		0.034	0.12
9/10/2019	0.037 (J)	0.044 (J)	0.035 (J)	0.032 (J)					
9/11/2019					0.036 (J)	0.032 (J)	0.032 (J)	0.045 (J)	0.1
3/31/2020	0.061 (J)	0.043 (J)							
4/1/2020			<0.1	0.048 (J)	<0.1	0.04 (J)	0.05 (J)	0.082 (J)	0.26
4/2/2020									
9/15/2020	<0.1		<0.1	<0.1		<0.1	<0.1	0.032 (J)	0.11
9/16/2020		<0.1			<0.1				
3/16/2021			<0.1	<0.1	<0.1			0.04 (J)	0.18
3/17/2021	0.026 (J)	<0.1				<0.1	<0.1		
8/17/2021			0.072 (J)	0.045 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-12	GWC-21	GWA-15 (bg)	GWC-20	GWC-10
8/18/2021					<0.1				0.081 (J)
8/19/2021	0.035 (J)	<0.1				<0.1	0.035 (J)	0.044 (J)	
2/22/2022	<0.1		<0.1	<0.1			<0.1	0.033 (J)	
2/23/2022		<0.1			0.043 (J)	0.037 (J)			0.13
8/2/2022	<0.1		<0.1	<0.1			<0.1		
8/3/2022		<0.1			<0.1			0.052 (J)	0.098 (J)
8/4/2022						<0.1			
2/6/2023									
2/7/2023	<0.1	<0.1	<0.1	<0.1	<0.1		<0.1		
2/8/2023						<0.1		0.052 (J)	0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/7/2023 11:06 AM 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 3/7/2023 11:06 AM 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)
8/2/2022	
8/3/2022	
8/4/2022	<0.1
2/6/2023	
2/7/2023	
2/8/2023	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (S.U.) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-3 (bg)	GWC-12	GWC-1	GWA-2 (bg)	GWC-11	GWC-10	GWA-4A (bg)	GWC-9
6/19/2015	5.95	5.23	5.05						
6/20/2015				4.87	4.69	6.13	6.28	4.92	4.7
12/14/2015									
12/15/2015									
4/19/2016		4.92			4.99				4.98
4/20/2016	5.85		5.17	5.43		6.28		4.9	
4/21/2016							6.21		
6/14/2016	5.53	4.89			4.98			4.9	
6/15/2016			5.12	5.28		6.55			5.2
6/16/2016							6.27		
8/9/2016	5.44	4.92			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	5.59	5.25	5.19	5.19		6.33	6.29	5.89	4.91
9/28/2016									
11/14/2016		4.96						5.94	
11/15/2016	5.58		5.14	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	5.53	4.95			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	5.63		5.15	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	5.51	4.89						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	5.62	4.96	5.03	5.25	4.93	6.35	6.11	5.28	4.85
1/10/2018	5.59	4.93			4.78			5.05	
1/11/2018			5.13	5.02		6.15	6.32		
1/12/2018									4.83
7/11/2018	5.49	4.87 (D)			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	5.39	4.98			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		4.8	4.93	5.15	4.69	6.32	6.54		4.75
9/10/2019	5.71							4.72	
9/11/2019		5.03	5.04	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 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-3 (bg)	GWC-12	GWC-1	GWA-2 (bg)	GWC-11	GWC-10	GWA-4A (bg)	GWC-9
4/1/2020		4.92	5.05	5	4.77		6.52		4.93
4/2/2020						6.38			
9/15/2020	5.27	4.72		4.76	4.52	6.62	6.66		
9/16/2020			4.91					4.87	4.74
3/16/2021		4.91	4.97	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	5.34	4.9			4.69				
2/23/2022			5.1	4.92		6.28	6.46	4.8	5.07
8/2/2022	5.23	4.75			4.57	6.4			
8/3/2022			4.98	4.83			6.34	4.79	5.29
8/4/2022									
2/6/2023									
2/7/2023	5.17	4.91	5.07	5.07	4.73			4.84	
2/8/2023						6.24	6.31		5.31

Prediction Limit

Constituent: pH (S.U.) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWA-16 (bg)	GWC-20	GWC-21	GWA-14 (bg)	GWC-19	GWA-15 (bg)	GWA-13 (bg)
6/19/2015									
6/20/2015									
12/14/2015	5.19	7.1	5.26	5.24	5.84				
12/15/2015						5.24	5.98	5.2	5.13
4/19/2016		6.87					5.98		
4/20/2016	5.26		5.16			5.41			5.16
4/21/2016				4.88	5.43			5.18	
6/14/2016									
6/15/2016	5.12		5.04			5.74		5.47	5.35
6/16/2016		6.84		4.85	5.23		5.85		
8/9/2016	5.09		5.07			5.41		5.01	4.89
8/10/2016				4.84	5.11		5.79		
8/11/2016		6.42							
9/26/2016									
9/27/2016	5.32		5.11	5.32	5.06	5.42		5.22	5.02
9/28/2016		6.57					5.9		
11/14/2016									
11/15/2016	5.25		5.11	4.97	5.01	5.33	5.66	5.07	5.04
11/16/2016		6.51							
1/10/2017									
1/11/2017	5.23	6.43	5.07			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		5.1	4.86
3/1/2017	5.25	6.48	5.14		5		5.62		
3/2/2017									
4/19/2017									
4/20/2017	5.36		5.05			5.31		5.12	5.01
4/24/2017					5.8				
4/25/2017		6.58		4.91			5.59		
7/13/2017									
7/17/2017									
7/18/2017									4.88
7/19/2017	5.12		4.95			5.19		4.84	
7/20/2017									
7/24/2017									
7/25/2017		6.37		4.89	4.92		5.55		
10/17/2017	5.23	6.53	5.17	4.97	4.89	5.27	5.68	4.95	4.93
1/10/2018									4.9
1/11/2018	5.28		4.97		4.98	5.19		5.01	
1/12/2018		6.47		4.97					
7/11/2018	5.23 (D)	6.18 (D)	5.07	4.89 (D)	4.96 (D)	5.25 (D)	5.6 (D)	5.01	4.99 (D)
7/12/2018									
1/29/2019	5.35		4.83	4.94		5.25	5.58	5.18	4.82
1/30/2019		5.93			4.65				
3/26/2019			4.95			5.29		5.04	5.07
3/27/2019	5.25	6.11		4.94	4.96		5.59		
9/10/2019			5.12			5.18			5
9/11/2019	5.16	6.3		4.96	4.99		5.58	5.28	
3/31/2020									5.1

Prediction Limit

Constituent: pH (S.U.) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWA-16 (bg)	GWC-20	GWC-21	GWA-14 (bg)	GWC-19	GWA-15 (bg)	GWA-13 (bg)
4/1/2020	5.3	6.15	4.95	5.03	5.04	5.26	5.67	5.35	
4/2/2020									
9/15/2020	5.29	6.13	5.02	4.96	4.86	5.83		4.92	5.07
9/16/2020							5.43		
3/16/2021	4.83		4.68	4.78		4.76	5.45		4.47
3/17/2021		5.99			4.8			5.41	
8/17/2021			4.95			5.12			
8/18/2021									4.93
8/19/2021	5.29	6.17		4.91	4.81		5.69	4.92	
2/22/2022	5.29		4.98	5.02		5.2		5.15	4.91
2/23/2022		6.2			4.87		5.63		
8/2/2022	5.18	6.41	4.93			5.05		4.9	4.86
8/3/2022				4.98			5.62		
8/4/2022					4.83				
2/6/2023									4.75
2/7/2023		6.47	4.88			5.03		5.19	
2/8/2023	5.31			4.84	4.85		5.59		

Prediction Limit

Constituent: pH (S.U.) Analysis Run 3/7/2023 11:06 AM 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 3/7/2023 11:06 AM 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
8/2/2022	
8/3/2022	
8/4/2022	5.12
2/6/2023	
2/7/2023	
2/8/2023	5.08

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-12	GWC-1	GWC-17 (bg)
4/19/2016	106	34	<10	<10	49				
4/20/2016						<10	41	<10	29
4/21/2016									
6/14/2016			46	55		47			
6/15/2016					84		27	52	85
6/16/2016	150	34							
8/9/2016			18	6		10			<10
8/10/2016		32			44		6	10	
8/11/2016	78								
9/26/2016				24					
9/27/2016			30		30	16	16	30	6
9/28/2016	43	13							
11/14/2016			26						
11/15/2016		64		38	32	4 (J)	22	32	24
11/16/2016	140								
1/10/2017			18	18					
1/11/2017	64								20
1/12/2017						26	44	52	
1/13/2017					54				
1/16/2017		12							
1/17/2017									
2/28/2017			22	12		6			
3/1/2017	88	72			34		8	44	38
3/2/2017									
4/19/2017			14	14					
4/20/2017						<10	<10	20	6
4/24/2017					<10				
4/25/2017	92	62							
7/13/2017									
10/10/2017				10					
10/11/2017			30			32		54	48
10/12/2017	54	38			20		12		
12/12/2017									
12/13/2017									
1/10/2018			28	6		10			
1/11/2018							34	100	18
1/12/2018	110	81			48				
7/11/2018	16 (J)	38 (J)	12 (J)	16 (J)		28 (J)			22 (J)
7/12/2018					42 (J)		26 (J)	24 (J)	
1/29/2019		62	27	36		24			37
1/30/2019	100 (J)				42 (J)		22 (J)	55 (J)	
3/26/2019						<10			
3/27/2019	79	61	35	36	34		24	26	38
9/10/2019						21			
9/11/2019	45	49	15	28	43		28	49	31
3/31/2020						17			
4/1/2020	73	52	20	32	36		20	39	27
4/2/2020									
9/15/2020	64		<10	22		17		25	26
9/16/2020		60			<10		17		
3/16/2021		65	25	24		23	19	29	25
3/17/2021	59				40				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-12	GWC-1	GWC-17 (bg)
8/17/2021			21	48					
8/18/2021						21	20	33	
8/19/2021	71	57			37				32
2/22/2022			16	27		17			27
2/23/2022	54	41			30		16	31	
8/2/2022	39		11	12		<10			15
8/3/2022		50			42		25	33	
8/4/2022									
2/6/2023						19			
2/7/2023	90		25	32			27	34	
2/8/2023		54			44				35

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-11	GWA-15 (bg)	GWC-21	GWC-20	GWC-10
4/19/2016									
4/20/2016	<10	<10	<10	<10	32				
4/21/2016						<10	<10	28	49
6/14/2016	62	67		65					
6/15/2016			67		81	58			
6/16/2016							30	42	109
8/9/2016	6		4 (J)	24		6			
8/10/2016					64		<10	6	58
8/11/2016		<10							
9/26/2016									
9/27/2016	10	28	18	14	60	16	14	20	100
9/28/2016									
11/14/2016		48							
11/15/2016	32		26	18	72	18	58	82	94
11/16/2016									
1/10/2017		22							
1/11/2017	12		<10	6		8			
1/12/2017					84		38		110
1/13/2017								36	
1/16/2017									
1/17/2017									
2/28/2017	<10	32		14		4 (J)			
3/1/2017			6		64		32	40	110
3/2/2017									
4/19/2017									
4/20/2017	34	20	<10	<10		10			
4/24/2017					46		16		32
4/25/2017								14	
7/13/2017									
10/10/2017		24							
10/11/2017	40		24	22	88	26			
10/12/2017							12	22	74
12/12/2017									150
12/13/2017					68				
1/10/2018	48	42							
1/11/2018			6	36	10	56	20		150
1/12/2018								56	
7/11/2018	22 (J)	<5 (J)	24 (J)	20 (J)		<5 (J)	52 (J)	32 (J)	
7/12/2018					94 (J)				140 (J)
1/29/2019	34	26	26	22		23		27	
1/30/2019					89 (J)		43 (J)		160 (J)
3/26/2019	21	39	27	17		17			
3/27/2019					79		33	57	130
9/10/2019	13	36	13	16					
9/11/2019					39	15	23	45	130
3/31/2020	28	27							
4/1/2020			15	<10		21	21	26	130
4/2/2020					63				
9/15/2020	23		14	17	82	13	24	34	140
9/16/2020		21							
3/16/2021			20	17				37	130
3/17/2021	31	36			81	29	24		

ND substitution: RL or RL/2 if <15% NDs. Substitution method for trace values of the form <PQL(J): PQL.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 11:06 AM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

	GWA-5 (bg)	GWA-4A (bg)	GWA-16 (bg)	GWA-14 (bg)	GWC-11	GWA-15 (bg)	GWC-21	GWC-20	GWC-10
8/17/2021			19	19					
8/18/2021					97				140
8/19/2021	20	26				21	32	40	
2/22/2022	21		17	16		22		33	
2/23/2022		21			70		26		130
8/2/2022	11		<10	13	35	11			
8/3/2022		20						35	130
8/4/2022							26		
2/6/2023									
2/7/2023	24	21	24	23		23			
2/8/2023					71		32	31	130

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 3/7/2023 11:06 AM 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 3/7/2023 11:06 AM 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
8/2/2022	
8/3/2022	
8/4/2022	33
2/6/2023	
2/7/2023	
2/8/2023	31

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