Georgia Power

Georgia Power Company
Plant McIntosh Existing Landfill No. 4

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

2020 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Atlantic Coast Consulting, Inc.

CERTIFICATION

This *2020 Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Company – Plant McIntosh Existing Landfill No. 4* has been prepared in compliance with the United States Environmental Protection Agency coal combustion rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 and 391-3-4-.14 by a qualified groundwater scientist or engineer with Atlantic Coast Consulting, Inc (ACC).

ATLANTIC COAST CONSULTING, INC.

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SUMMARY

This summary of the 2020 Annual Groundwater Monitoring and Corrective Action Report provides the groundwater monitoring and corrective action program status through December 2020 for Georgia Power Company (GPC) Plant McIntosh Existing Landfill No. 4 (Site). This summary was prepared by Atlantic Coast Consulting, Inc. (ACC) on behalf of GPC to meet the requirements listed in Part A, Section 6[1] of the U.S. Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) rule (40 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

The groundwater monitoring system is comprised of 5 upgradient and 14 downgradient wells installed during 2004 and 2015 - 2016 to meet state monitoring requirements. Routine sampling and reporting began after background groundwater conditions were established between August 2004 and November 2006 in accordance with the Solid Waste Permit requirements specified in the Design and Operation (D&O) Plan.. The monitoring program was modified to include Appendix III parameters to meet the requirements of 40 CFR § 257.90 through § 257.95. Background groundwater conditions for Appendix III and IV parameters were established between April 2016 and July 2017. Alternate Source Demonstrations (ASD) completed in April and August 2020 presented evidence demonstrating that Statistically Significant Increases (SSIs) in groundwater are not due to a release from the unit. During the 2020 annual reporting period, the Site remained in detection monitoring.

During the 2020 reporting period, ACC conducted groundwater sampling events in March and September. Groundwater samples were submitted to Eurofins TestAmerica, Inc. (Eurofins) for analysis. Per the CCR rule, groundwater results for March and September 2020 data were evaluated in accordance with the certified statistical methods. That evaluation

[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

indicated a statistically significant value of an Appendix III[2] parameter in one well provided in the table below.

Appendix III Parameter	March 2020	September 2020
Chloride	GWC-9	None

Based on review of the Appendix I and Appendix III statistical results completed for the groundwater monitoring and corrective action program from January through December 2020, the Site will continue in detection monitoring. GPC will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to the website and provided to the Georgia Environmental Protection Division (EPD) semiannually.

[2] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)

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1.0 INTRODUCTION

In accordance with the US EPA CCR rule (40 CFR 257 Subpart D) and the EPD Rules for Solid Waste Management 391-3-4-.10, ACC has prepared this *2020 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at the Site. Semiannual monitoring and reporting for the CCR unit are performed in accordance with the monitoring requirements of 40 CFR § 257.90 through § 257.95 of the Federal CCR rule, and Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a).

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

This report provides the results of the sampling events conducted in March and September 2020 and includes: (1) results for a list of constituents derived from Appendix I and II of 40 CFR § 258 included in the D&O Plan in the permit; and (2) CCR detection monitoring sampling event for 40 CFR § 257 Appendix III constituents.

This document serves as the *2020 Annual Groundwater Monitoring and Corrective Action Report* in accordance with 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. GPC began construction of Cell 2A in June 2015 and received approval to begin receiving solid waste for disposal on July 20, 2017. Cell 2A of Landfill No. 4 began receiving CCR waste in September 2017. Cells 2B, 3 and 4 are for future development.

1.2 Regional Geology and Hydrogeologic Setting

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

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 passing the waste boundary of the CCR Unit within the uppermost aquifer. Figure 2 shows the monitoring well locations. The monitoring system forms a perimeter network around Cells 1, 2A, and 2B (Figure 2). Since Cell 2B has not been developed, monitoring network wells associated with this cell are considered background monitoring locations until future cell construction occurs. Wells were located to serve as upgradient and downgradient monitoring points based on groundwater flow direction (Table 1A, Monitoring Network Well Summary). Existing locations not included in the monitoring network are presented in Table 1B, Piezometer Summary.

2.0 GROUNDWATER MONITORING ACTIVITIES

Pursuant to 40 CFR § 257.90(e), the following describes monitoring-related activities performed during 2020 and discusses any change in status of the monitoring program. All groundwater sampling was performed in accordance with 40 CFR § 257.93. Samples were collected from each well in the certified monitoring system shown on Figure 2 in March and September 2020. 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 2020; the network remains the same as in the previous reporting year 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.

The Site monitoring network wells and piezometers were re-surveyed for top of casing elevation and horizontal location in June 2020. A data sheet surveyed by a Georgia Registered Land Surveyor (RLS) is provided in Appendix B, Monitoring Well and Piezometer Survey Data. The new survey data are incorporated into this report's applicable tables and figures. Additionally, a memorandum was prepared to update and modify well construction details based on the updated survey data and included updated boring and well construction logs for the Site well network. The *September 2020 Well Installation Addendum* was submitted to EPD in September 2020 and included the RLS certified data.

2.2 Alternate Source Demonstrations

As discussed in Section 4.0, statistical analysis of data through the March 2020 detection monitoring event identified an SSI for chloride at downgradient monitoring well GWC-9. In accordance with Georgia Rule 391-3-4-.10(6)(a) and 40 CFR § 257.94(e)(2), an ASD for the chloride SSI at GWC-9 was submitted to EPD August 2020 and is provided in Appendix C, Alternate Source Demonstrations. Appendix III SSIs for groundwater monitoring parameters have been previously reported in downgradient wells and addressed by ASDs in accordance with 40 CFR § 257.94(e):

- Boron: GWC-10 (ERM, April 2018)
- Sulfate: GWC-10 and GWC-11 (GEI, February 2019)

A single chromium SSI was identified after statistical analysis of data through the September 2019 detection monitoring event in downgradient monitoring well GWC-19 and was addressed in an ASD in accordance with the EPD Rules for Solid Waste Management Chapter 391-3-4.14(23)(c):

- Chromium: GWC-19 (GEI, April 2020)

Additional information regarding the 2018 ASD for Boron is presented in Section 4.0. The April and August 2020 ASDs are included in Appendix C.

2.3 Detection Monitoring Program

Detection monitoring is performed on a semiannual basis in accordance with the approved Georgia EPD Solid Waste Permit and the Site's D&O Plan. The semiannual sampling events were conducted in March and September 2020.

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

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

GWC-9 was resampled for chloride in June 2020 to verify analytical results. Copies of the analytical data packages for the semiannual detection monitoring events are included in Appendix A.

2.4 Additional Sampling

No additional sampling was conducted during the monitoring period.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

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

3.1 Groundwater Flow Direction, Gradient, and Velocity

Prior to each sampling event, groundwater elevations were recorded from each well in the network at the Site. Groundwater elevations recorded during the monitoring events are summarized in Tables 3A and 3B, Summary of Groundwater Elevations – March 2020 and September 2020, respectively. Groundwater elevation data were used to develop Figures 3 and 4, Potentiometric Contour Map – March 2020 and September 2020, respectively. As shown on the figure the flow direction is generally to the north but ranges from slightly northeast near Cell 1 to north-northwest near Cell 2B. Groundwater flow patterns observed during the 2020 monitoring events are consistent with historical patterns.

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

Equation

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

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

Groundwater flow velocities were calculated for the Site based on hydraulic gradients, average hydraulic conductivity based on previous slug test data, and an estimated effective porosity of 0.20. The groundwater flow velocity has been calculated and is tabulated on Tables 4A and 4B, Horizontal Groundwater Flow Velocity Calculations – March 2020 and September 2020, respectively. The calculated flow velocity was approximately 0.057 feet per day during the March 2020 event and approximately 0.055 feet per day during the September 2020 event.

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 SESD Operating Procedure for Field Equipment Cleaning and Decontamination as a guide.

An AquaTroll or SmarTroll (In-Situ field instruments) was used to monitor and record field water quality parameters (pH, specific conductance, oxidation-reduction potential [ORP], dissolved oxygen [DO], and temperature) during well purging prior to sampling. Turbidity was measured using a LaMotte 2020we or 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 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 10 nephelometric turbidity units (NTU)

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

3.3 Laboratory Analyses

Groundwater samples were collected during the groundwater monitoring events in March and September 2020. 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 events performed in March and September 2020. Analytical data collected in the monitoring event are summarized in Tables 5A and 5B, Summary of Groundwater Analytical Data – March 2020 and September 2020, respectively.

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

3.4 Quality Assurance and Quality Control

During each sampling event, quality assurance/quality control (QA/QC) samples are collected at a rate of one set of QA/QC samples per every 20 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 spikes/matrix spike duplicate recoveries and relative percent differences (RPDs), post digestion spikes, laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits (RLs). A summary of the data validation is included in Appendix A.

Values followed by a "J" flag in Tables 5A and 5B indicate that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory RL. The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.

4.0 STATISTICAL ANALYSIS

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

4.1 Methods

The statistical method used at the Site was developed by GSC, using methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance*, March 2009, US EPA 530/ R-09-007 (US EPA, 2009). To develop the statistical methods, analytical data collected during the background period were evaluated and used to develop statistical limits for each Appendix I and Appendix III parameter. Sanitas groundwater statistical software was used to screen the data and perform the statistical analyses. Sanitas is a decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations.

Statistical analysis of the September 2020 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 SSIs. Typically, when changes in concentrations are present upgradient of the facility, it is an indication of naturally changing groundwater quality.

4.1.1 State Appendix I Parameters

A permit minor modification was approved by EPD on August 20, 2019, following submittal of the *2019 First Semiannual Groundwater Monitoring Report* to allow for intrawell methods to be used for evaluation of state Appendix I parameters. 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 SSI is identified by intrawell statistical methods, interwell statistical methods may be used as a reasonable second step to determine if the initial exceedance is below sitewide background.

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

4.1.2 Appendix III Parameters

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

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

4.2 Summary of Statistical Analyses Results for Appendix I Permit Parameters

No exceedances of Appendix I parameters were identified during the March 2020 or September 2020 semiannual events.

4.3 Summary of Statistical Analyses Results for Appendix III Parameters

Based on the statistical results presented in Appendix D, the following summarizes parameters exhibiting prediction limit exceedances during the monitoring events:

March 2020 Monitoring Event

- Chloride: GWC-9

September 2020 Monitoring Event

- No SSIs identified.

The March 2020 chloride exceedance is addressed in the ASD provided in Appendix C. A summary of the ASD is provided in Section 4.4.

4.3.1 Boron at GWC-10

Boron at GWC-10 was reported as an SSI in 2018 and subsequently addressed in an ASD (ERM, 2018). In a letter dated June 24, 2020, EPD requested further demonstration to determine if naturally occurring boron in native soils is present at the facility and support the 2018 ASD for boron. GPC does not recommend further alternate source demonstration of boron at GWC-10 because boron was not identified as an SSI at GWC-10 during any of the monitoring events completed during 2019 and 2020.

Per the statistical method, and in accordance with the Unified Guidance, the inter-well prediction limit for boron is equal to the most recent laboratory specified RL because the upgradient data set contains greater than 50% non-detect results for boron. The laboratory RL was adjusted from 0.050 mg/L to 0.080 mg/L during a laboratory transition and is reflected in data since March 2019. The procedural changes to determine the MDL and RL meets the referenced method quality criteria and is comparable to other laboratories using similar criteria. A letter prepared by Eurofins addressing the change in the RL of boron is included in Appendix A.

Based on a prediction limit of 0.080 mg/L, low-level estimated concentrations between 0.050 mg/L and 0.080 mg/L do not result in SSIs. Since boron was detected at less than 0.080 mg/L and not identified as an SSI in 2019 or 2020 data, additional investigation is not necessary.

4.4 ASD Summary

An August 2020 ASD to address for chloride not previously addressed by other ASDs is provided in Appendix C. The following lines of evidence presented in the August 2020 ASD and in previous ASDs demonstrate that a release from the CCR Landfill is not the source of the SSIs and explain the likely cause:

- The low-level chloride concentrations in well GWC-9 are stable over time with no discernable increasing trend;
- Other Appendix III CCR indicator parameters do not exhibit SSIs;
- Chloride was documented at higher than current levels at GWC-9 prior to the construction of Cell 2A in 2017. Additionally, the unit is HDPE lined with a leachate collection system designed and operated to eliminate the potential pathway from the unit to groundwater.

5.0 MONITORING PROGRAM STATUS

The Site groundwater monitoring network remains in detection monitoring. A chloride SSI for the March sample is addressed by an ASD.

6.0 CONLUSIONS AND FUTURE ACTIONS

This *2020 Annual Groundwater Monitoring and Corrective Action Report* for GPC's Plant McIntosh Existing Landfill No.4 was prepared to fulfill the requirements of USEPA's CCR Rule and Georgia EPD Rules for Solid Waste Management Chapter 391-3-4-.10.

Statistical evaluation of the March 2020 groundwater monitoring data and June 2020 resample data identified an SSI for chloride in GWC-9. An ASD was prepared presenting evidence to conclude that the chloride SSI is not associated with a release from the landfill. The ASD is included in Appendix C. There were no Appendix III SSIs identified in the September groundwater monitoring data set. No SSIs of Appendix I parameters were identified during the March or September 2020 events. The Site will remain in detection monitoring.

The next semiannual detection monitoring event is tentatively scheduled for March 2021.

7.0 REFERENCES

ACC, Inc., 2020. *September 2020 Well Installation Addendum*. September 2020.

Georgia Environmental Protection Division, 1997 – *Criteria for Performing Site Acceptability Studies for Solid Waste Landfills in Georgia – Circular 14.*

MacStat Consulting, Ltd., 2017. *Statistical Analysis Plan – Plant McIntosh Landfill No. 4*.

Sanitas: Groundwater Statistical Software, Sanitas Technologies, Shawnee, KS, 2007. *www.sanitastech.com*.

ERM, 2018. *Alternate Source Demonstration – Plant McIntosh Coal Combustion By-product Landfill No. 4*. January 2018.

GEI, 2019. *Alternate Source Demonstration – Plant McIntosh Landfill No. 4*. February 2019.

GEI, 2020. *Alternate Source Demonstration – Plant McIntosh Landfill No. 4*. April 2020.

GPC, 2004. *Plant McIntosh Coal Combustion By-Product (CCB) Landfill No. 4 Design & Operation Plan Groundwater Monitoring Plan.* 2004, Revised August 2019.

Southern Company Services - Earth Science and Environmental Engineering (SCS ES&EE), 2002. *Savannah Electric Plant McIntosh Proposed Ash Monofill Site Acceptability Report*. July 2002.

U.S. EPA Waste Management Division Office of Solid Waste, 1989, EPA 530/SW89-031 Interim Final RCRA Investigation (RFI) Guidance, Volume II or IV.

U.S. EPA, 2009, *Unified Guidance*, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. Office of Solid Waste Management Division, U.S. EPA, Washington, D.C.

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

U.S. EPA, 2013, Groundwater Sampling – Operating Procedure: SESDPROC-3-1-R3, Athens, Georgia, 31 p.

U.S. EPA, 2015, Field Equipment Cleaning and Decontamination – Operating Procedure: SESDPROC-205-R3, Athens, Georgia, 18 p.

U.S. EPA, 2017. *National Functional Guidelines for Inorganic Superfund Methods Data Review,* Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [EPA-540-R-2017-001]. Washington, DC.

TABLES

Table 1A
Monitoring Network Well Summary

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

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

Table 1B
Piezometer Summary

Well	Installation Date (mm/dd/yyyy)	Northing	Easting	Bottom Depth (ft BTOC)	Bottom Elevation (NAVD)	Depth to Top of Screen (ft BTOC)	Top of Screen Elevation (NAVD)	Purpose
GWC-22(*PZ-22)	11/4/2015	856950.76	957722.56	31.65	19.52	21.35	29.82	Piezometer

Notes:
1. ft BTOC indicates feet below top of casing.
2. Northings and Eastings are feet relative to North American Datum 1983 (NAD83), State Plane Georgia East Zone.
3. NAVD elevations are feet relative to North American Vertical Datum of 1988.
4. * Well shown within parentheses is proposed name change as described in 2018 permit submittal.
5. Well resurveyed June 2020.

Table 2
Groundwater Sampling Event Summary

Well	Hydraulic Location	Mar. 31-Apr. 2, 2020	June 30, 2020	Sep. 14-16, 2020
Purpose of Sampling Event		Semiannual Detection	Verification	Semiannual Detection
GWC-1	Downgradient	X	--	X
GWA-2	Upgradient	X	--	X
GWA-3	Upgradient	X	--	X
GWC-4A(*GWB-4A)	Upgradient	X	--	X
GWC-5(*GWB-5)	Upgradient	X	--	X
GWC-9	Downgradient	X	X	X
GWC-10	Downgradient	X	--	X
GWC-11	Downgradient	X	--	X
GWC-12	Downgradient	X	--	X
GWA-13	Upgradient	X	--	X
GWA-14	Upgradient	X	--	X
GWC-15(*GWB-15)	Upgradient	X	--	X
GWA-16(*GWB-16)	Upgradient	X	--	X
GWC-17**	Upgradient	X	--	X
GWC-18**	Upgradient	X	--	X
GWC-19	Downgradient	X	--	X
GWC-20	Downgradient	X	--	X
GWC-21	Downgradient	X	--	X
GWC-23	Downgradient	X	--	X

Notes:
1. X indicates sample was collected.
2. Semiannual Detection Event Includes Appendix III and Appendix I.
3. * Well shown within parentheses is proposed name change as described in 2018 permit submittal.
4. ** Wells GWC-17 and GWC-18 are included in background monitoring pool as described in the 2018 ASD.
5. -- = Not sampled

Table 3A
Summary of Groundwater Elevations – March 2020

Well ID	Top of Casing Elevation (NAVD)	Depth-to-Water (ft BTOC)	Groundwater Elevation (NAVD)
GWC-1	46.85	12.58	34.27
GWA-2	53.43	14.16	39.27
GWA-3	57.75	19.43	38.32
GWC-4A(*GWB-4A)	65.00	23.14	41.86
GWC-5(*GWB-5)	62.09	22.74	39.35
GWC-9	53.38	28.80	24.58
GWC-10	49.39	24.33	25.06
GWC-11	57.74	32.78	24.96
GWC-12	57.05	25.60	31.45
GWA-13	60.93	24.60	36.33
GWA-14	61.59	25.64	35.95
GWC-15(*GWB-15)	56.86	21.60	35.26
GWA-16(*GWB-16)	54.67	23.04	31.63
GWC-17	54.29	26.16	28.13
GWC-18	59.74	35.43	24.31
GWC-19	53.59	29.44	24.15
GWC-20	47.36	22.65	24.71
GWC-21	45.22	20.80	24.42
GWC-22(*PZ-22)	51.17	27.62	23.55
GWC-23	52.43	28.74	23.69

Notes:
1. NAVD indicates feet North American Vertical Datum of 1988.
2. ft BTOC = feet below top of casing.
3. Depths to water measured March 9, 2020.
4. * Well shown within parentheses is proposed name change as described in 2018 permit submittal.

Table 3B
Summary of Groundwater Elevations – September 2020

Well ID	Top of Casing Elevation (NAVD)	Depth-to-Water (ft BTOC)	Groundwater Elevation (NAVD)
GWC-1	46.85	15.43	31.42
GWA-2	53.43	16.93	36.50
GWA-3	57.75	21.40	36.35
GWC-4A(*GWB-4A)	65.00	25.46	39.54
GWC-5(*GWB-5)	62.09	24.24	37.85
GWC-9	53.38	28.97	24.41
GWC-10	49.39	24.69	24.70
GWC-11	57.74	33.24	24.50
GWC-12	57.05	27.31	29.74
GWA-13	60.93	24.60	36.33
GWA-14	61.59	25.25	36.34
GWC-15(*GWB-15)	56.86	21.52	35.34
GWA-16(*GWB-16)	54.67	23.96	30.71
GWC-17	54.29	27.19	27.10
GWC-18	59.74	35.55	24.19
GWC-19	53.59	29.61	23.98
GWC-20	47.36	22.94	24.42
GWC-21	45.22	20.97	24.25
GWC-22(*PZ-22)	51.17	27.60	23.57
GWC-23	52.43	28.68	23.75

Notes:
1. NAVD indicates feet North American Vertical Datum of 1988.
2. ft BTOC = feet below top of casing.
3. Depths to water measured September 14, 2020.
4. * Well shown within parentheses is proposed name change as described in 2018 permit submittal.

Table 4A
HORIZONTAL GROUNDWATER FLOW VELOCITY CALCULATIONS
March 2020

Equation

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

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

Values Used in Calculation

Value			Source
K =	3.0E-04	cm/sec	See note 1.
	0.86	ft/day	
			Hydraulic gradient from GWA-3 to GWC-11 GWC-5(*GWB-5) to GWC-23 GWA-14 to GWC-18 Average of dh/dl_1, dh/dl_2, dh/dl_3
dh/dl_1 =	0.013	unitless	
dh/dl_2 =	0.012	unitless	
dh/dl_3 =	0.015	unitless	
dh/dl_{avg} =	0.013	unitless	
P_e =	0.20	unitless	See note 2.

Calculated Flow Velocity

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

v = 0.057 ft/day, or 21 ft/year

Notes

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

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

Table 4B
HORIZONTAL GROUNDWATER FLOW VELOCITY CALCULATIONS
September 2020

Equation

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

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

Values Used in Calculation

Value			Source
K =	3.0E-04	cm/sec	See note 1.
	0.86	ft/day	
			Hydraulic gradient from GWA-3 to GWC-11
dh/dl_1 =	0.011	unitless	
dh/dl_2 =	0.011	unitless	GWC-5(*GWB-5) to GWC-23
dh/dl_3 =	0.016	unitless	GWA-14 to GWC-18
dh/dl_{avg} =	0.013	unitless	Average of dh/dl_1, dh/dl_2, dh/dl_3
P_e =	0.20	unitless	See note 2.

Calculated Flow Velocity

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

v = 0.055 ft/day, or 20 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
Plant McIntosh Existing Landfill No. 4
Summary of Groundwater Analytical Data
March 2020

Parameter		Sample ID							
		GWC-1	GWA-2	GWA-3	GWC-4A	GWC-5	GWC-9	GWC-9	GWC-10
		4/1/2020	4/1/2020	4/1/2020	3/31/2020	3/31/2020	4/1/2020	6/30/2020	4/1/2020
APPENDIX III	Boron	<0.039	0.042 J	<0.039	<0.039	<0.039	<0.039	--	0.068 J
	Calcium	1.9	0.47 J	0.72	0.80	2.9	0.20 J	--	21
	Chloride	5.9	4.9	3.7	4.9	4.1	9.7	11	6.9
	Fluoride	<0.026	<0.026	<0.026	0.043 J	0.061 J	0.051 J	--	0.26
	pH	5.00	4.77	4.92	5.06	5.45	4.93	4.52	6.52
	Sulfate	2.0	0.95 J	1.1	6.2	0.76 J	4.1	--	2.2
	TDS	39	32	20	27	28	36	--	130
Required by Permit	Antimony	<0.00038	0.00040 J	<0.00038	<0.00038	<0.00038	<0.00038	--	<0.00038
	Arsenic	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	--	0.00055 J
	Barium	0.041	0.037	0.014	0.017	0.044	0.021	--	0.035
	Beryllium	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	--	<0.00018
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	--	<0.00022
	Chromium	<0.0015	0.0017 J	<0.0015	<0.0015	<0.0015	<0.0015	--	0.0084
	Cobalt	0.0016 J	0.0013 J	0.00024 J	0.0038	0.00067 J	0.00042 J	--	<0.00013
	Copper	<0.00063	<0.00063	<0.00063	0.0051	<0.00063	<0.00063	--	<0.00063
	Lead	<0.00013	<0.00013	<0.00013	0.00024 J	<0.00013	<0.00013	--	<0.00013
	Nickel	0.00099 J	0.00077 J	<0.00034	0.0028	<0.00034	<0.00034	--	<0.00034
	Selenium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	--	<0.0015
	Silver	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	--	<0.00018
	Thallium	<0.00015	0.00017 J	<0.00015	<0.00015	<0.00015	<0.00015	--	0.00031 J
	Vanadium	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	--	0.0012
	Zinc	0.0046 J	0.0066	<0.0032	0.013	<0.0032	<0.0032	--	<0.0032

Notes:

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

Table 5A
Plant McIntosh Existing Landfill No. 4
Summary of Groundwater Analytical Data
March 2020

Parameter		Sample ID							
		GWC-11	GWC-12	GWA-13	GWA-14	GWC-15	GWA-16	GWC-17	GWC-18
		4/2/2020	4/1/2020	3/31/2020	4/1/2020	4/1/2020	4/1/2020	4/1/2020	4/1/2020
APPENDIX III	Boron	0.066 J	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039
	Calcium	8.5	0.70	0.42 J	0.49 J	2.3	0.43 J	2.1	11
	Chloride	4.6	3.7	3.7	4.2	3.8	3.8	4.6	4.7
	Fluoride	0.26	<0.026	0.046 J	0.048 J	0.050 J	<0.026	0.15	0.59
	pH	6.38	5.05	5.10	5.26	5.35	4.95	5.30	6.15
	Sulfate	3.4	0.91 J	1.4	0.67 J	0.49 J	0.73 J	<0.38	4.1
	TDS	63	20	17	<10	21	15	27	73
Required by Permit	Antimony	<0.00038	<000038	<0.00038	<0.00038	<000038	<0.00038	<000038	<0.00038
	Arsenic	0.0014	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	0.00067
	Barium	0.011	0.0097 J	0.015	0.013	0.026	0.022	0.019	0.013
	Beryllium	0.00023 J	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.00058 J	<0.00018
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	0.00048 J	<0.00022
	Chromium	0.0055	0.0019 J	0.0019 J	<0.0015	0.0015 J	0.024	0.0032	0.0025
	Cobalt	<0.00013	0.00051 J	0.00034 J	0.00033 J	0.00036 J	0.00036 J	0.00023 J	<0.00013
	Copper	0.0013 J	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063
	Lead	0.00025 J	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	Nickel	0.00090 J	0.00080 J	<0.00034	0.00043 J	<0.00034	<0.00034	0.0016	0.00095
	Selenium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	Silver	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	Thallium	0.00028 J	<0.00015	<0.00015	0.00018 J	<0.00015	<0.00015	<0.00015	<0.00015
	Vanadium	0.0016	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	0.0024
	Zinc	0.0049 J	<0.0032	<0.0032	<0.0032	<0.0032	<0.0032	0.0050	<0.0032

Notes:

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

Table 5A
Plant McIntosh Existing Landfill No. 4
Summary of Groundwater Analytical Data
March 2020

Parameter		Sample ID			
		GWC-19	GWC-20	GWC-21	GWC-23
		4/1/2020	4/1/2020	4/1/2020	4/1/2020
APPENDIX III	Boron	<0.039	<0.039	<0.039	<0.039
	Calcium	8.7	1.8	1.1	1.4
	Chloride	7.3	8.6	6.5	4.9
	Fluoride	0.11	0.082 J	0.040 J	0.050 J
	pH	5.67	5.03	5.04	5.23
	Sulfate	2.1	1.6	0.81 J	2.0
	TDS	52	26	21	25
Required by Permit	Antimony	<000038	<000038	<000038	<000038
	Arsenic	<0.00031	<0.00031	<0.00031	<0.00031
	Barium	0.013	0.016	0.018	0.024
	Beryllium	<0.00018	<0.00018	<0.00018	<0.00018
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022
	Chromium	0.0018 J	<0.0015	<0.0015	0.0022
	Cobalt	<0.00013	0.00094 J	0.00088 J	0.0037
	Copper	<0.00063	<0.00063	<0.00063	<0.00063
	Lead	<0.00013	<0.00013	<0.00013	<0.00013
	Nickel	0.0014	0.0010	0.00067 J	0.0013
	Selenium	<0.0015	<0.0015	<0.0015	<0.0015
	Silver	<0.00018	<0.00018	<0.00018	<0.00018
	Thallium	<0.00015	<0.00015	<0.00015	<0.00015
	Vanadium	<0.00099	<0.00099	<0.00099	<0.00099
	Zinc	<0.0032	<0.0032	0.0032 J	0.0033 J

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

Table 5B
Plant McIntosh Existing Landfill No. 4
Summary of Groundwater Analytical Data
September 2020

Parameter		Sample ID							
		GWC-1	GWA-2	GWA-3	GWC-4A	GWC-5	GWC-9	GWC-10	GWC-11
		9/15/2020	9/15/2020	9/15/2020	9/16/2020	9/15/2020	9/16/2020	9/15/2020	9/15/2020
APPENDIX III	Boron	<0.039	<0.039	0.061 J	0.056 J	0.047 J	0.042 J	0.062 J	<0.039
	Calcium	1.3	0.42 J	0.84	0.43 J	2.2	0.45 J	27	13
	Chloride	6.1	4.9	3.4	3.5	18	8.6	6.2	4.1
	Fluoride	<0.026	0.029 J	<0.026	<0.026	<0.13	<0.026	0.11	0.21
	pH	4.76	4.52	4.72	4.87	5.27	4.74	6.66	6.62
	Sulfate	1.6	<0.38	0.47 J	4.1	<1.9	<0.38	3.6	5.0
	TDS	25	22	<10	21	23	<10	140	82
Required by Permit	Antimony	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038
	Arsenic	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	0.00041 J	0.0011
	Barium	0.038	0.036	0.015	0.016	0.041	0.033	0.023	0.015
	Beryllium	<0.00018	0.00024 J	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	Chromium	<0.0015	0.0015 J	<0.0015	<0.0015	<0.0015	<0.0015	0.0018 J	0.0028
	Cobalt	0.0014 J	0.00099 J	<0.00013	0.0014 J	0.00050 J	0.00037 J	<0.00013	<0.00013
	Copper	<0.00063	<0.00063	0.00095 J	0.00079 J	<0.00063	<0.00063	<0.00063	<0.00063
	Lead	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	Nickel	0.0012	0.00094 J	0.00038 J	0.00096 J	0.00056 J	0.00075 J	0.0013	0.00063 J
	Selenium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	Silver	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	Thallium	<0.00015	0.00029 J	0.00017 J	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015
	Vanadium	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	0.0010
	Zinc	0.0049 J	0.0049 J	<0.0032	0.011	0.0049 J	0.0035 J	0.0043 J	<0.0032

Notes:

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

Table 5B
Plant McIntosh Existing Landfill No. 4
Summary of Groundwater Analytical Data
September 2020

Parameter		Sample ID							
		GWC-12	GWA-13	GWA-14	GWC-15	GWA-16	GWC-17	GWC-18	GWC-19
		9/16/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/15/2020	9/16/2020
APPENDIX III	Boron	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	<0.039	0.046 J
	Calcium	0.64	0.32 J	0.60	0.38 J	0.42 J	2.0	10	7.6
	Chloride	3.5	3.5	4.3	3.6	3.7	4.3	4.4	6.5
	Fluoride	<0.026	<0.026	<0.026	<0.026	<0.026	0.099 J	0.49	0.076 J
	pH	4.91	5.07	5.83	4.92	5.02	5.29	6.13	5.43
	Sulfate	0.53 J	0.38 J	1.1	0.44 J	0.44 J	<0.38	2.7	1.6
	TDS	17	17	17	13	14	26	64	60
Required by Permit	Antimony	<000038	<0.00038	0.00039 J	<000038	<0.00038	<000038	<0.00038	<000038
	Arsenic	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	0.00076 J	<0.00031
	Barium	0.011	0.014	0.012	0.023	0.024	0.018	0.014	0.012
	Beryllium	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.00063 J	<0.00018	0.00022 J
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	0.00046 J	<0.00022	<0.00022
	Chromium	0.0016 J	<0.0015	<0.0015	<0.0015	0.0015 J	0.0027	0.0025	0.0015 J
	Cobalt	0.00023 J	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	Copper	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063
	Lead	<0.00013	<0.00013	<0.00013	<0.00013	0.00024 J	<0.00013	<0.00013	<0.00013
	Nickel	0.00088 J	0.00037 J	0.00075 J	0.00047 J	0.00045 J	0.0016	0.00092 J	0.0012
	Selenium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	Silver	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018
	Thallium	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	0.00026 J
	Vanadium	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	0.0022	<0.00099
	Zinc	0.0033 J	0.0037 J	0.024	0.0033 J	0.0033 J	0.0052	0.0032 J	0.0040 J

Notes:

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

Table 5B
Plant McIntosh Existing Landfill No. 4
Summary of Groundwater Analytical Data
September 2020

Parameter		Sample ID		
		GWC-20	GWC-21	GWC-23
		9/15/2020	9/15/2020	9/15/2020
APPENDIX III	Boron	<0.039	<0.039	<0.039
	Calcium	1.5	1.1	1.3
	Chloride	8.7	6.5	5.0
	Fluoride	0.032 J	<0.026	0.028 J
	pH	4.96	4.86	5.18
	Sulfate	0.67 J	0.56 J	1.9
	TDS	34	24	27
Required by Permit	Antimony	<000038	<000038	<000038
	Arsenic	<0.00031	<0.00031	<0.00031
	Barium	0.021	0.021	0.024
	Beryllium	0.00025 J	<0.00018	<0.00018
	Cadmium	<0.00022	<0.00022	<0.00022
	Chromium	<0.0015	<0.0015	0.0023
	Cobalt	0.00097 J	0.00088 J	0.0032
	Copper	<0.00063	<0.00063	<0.00063
	Lead	<0.00013	<0.00013	<0.00013
	Nickel	0.0011	0.00070 J	0.0013
	Selenium	<0.0015	<0.0015	<0.0015
	Silver	<0.00018	<0.00018	<0.00018
	Thallium	<0.00015	<0.00015	<0.00015
	Vanadium	<0.00099	<0.00099	<0.00099
	Zinc	0.0044 J	<0.0032	0.0040 J

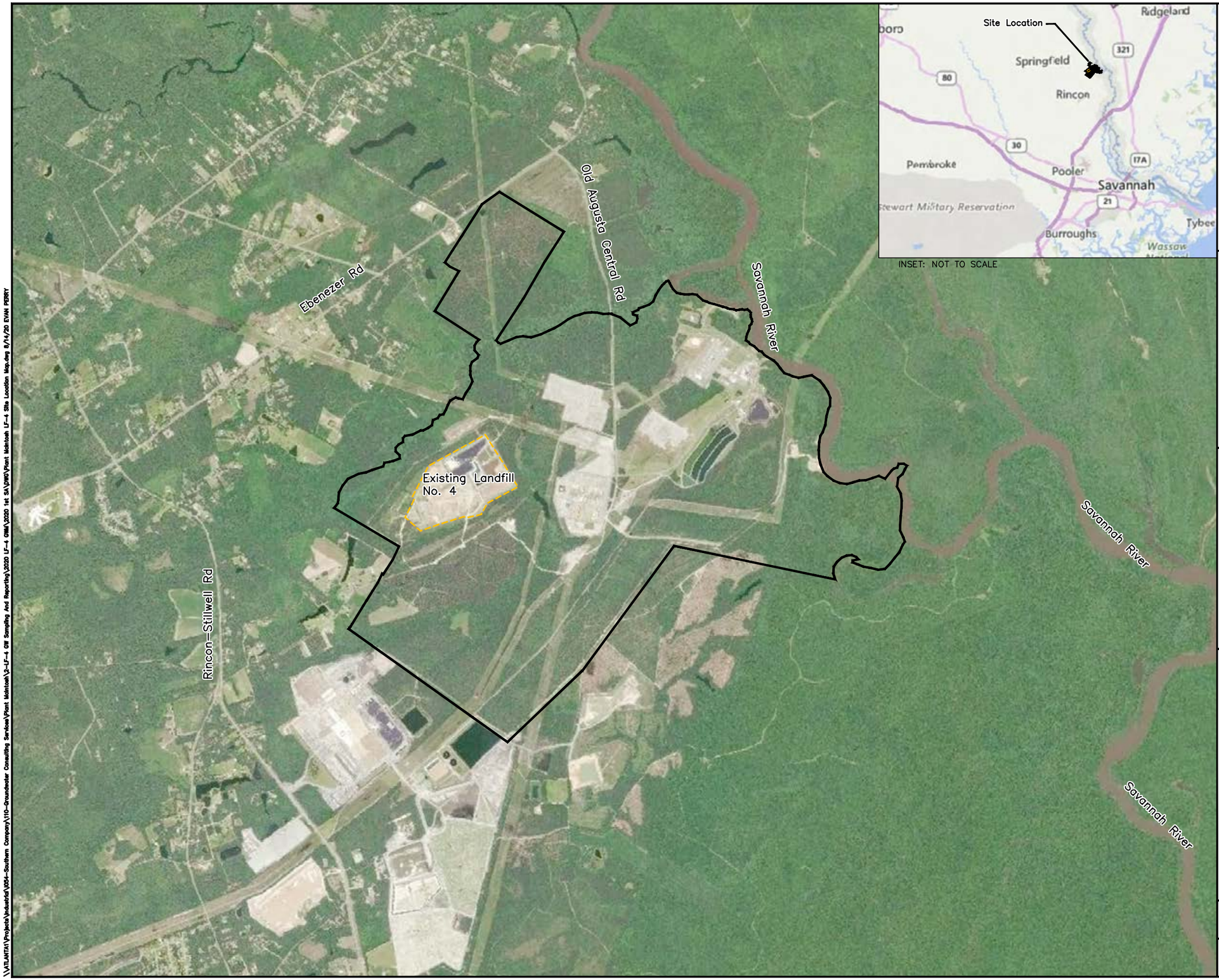
Notes:
1. Results for substances are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the substance was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the substance was detected at such low levels that the precision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

Table 6
Statistical Method Summary

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

Notes:
1. * Well shown within parentheses is proposed name change as described in 2018 permit submittal.

FIGURES



INSET: NOT TO SCALE

ATLANTIC COAST CONSULTING, INC.

2,500 0 1,250 2,500

SCALE (IN FEET)

LEGEND:

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

PROJECT

Georgia Power

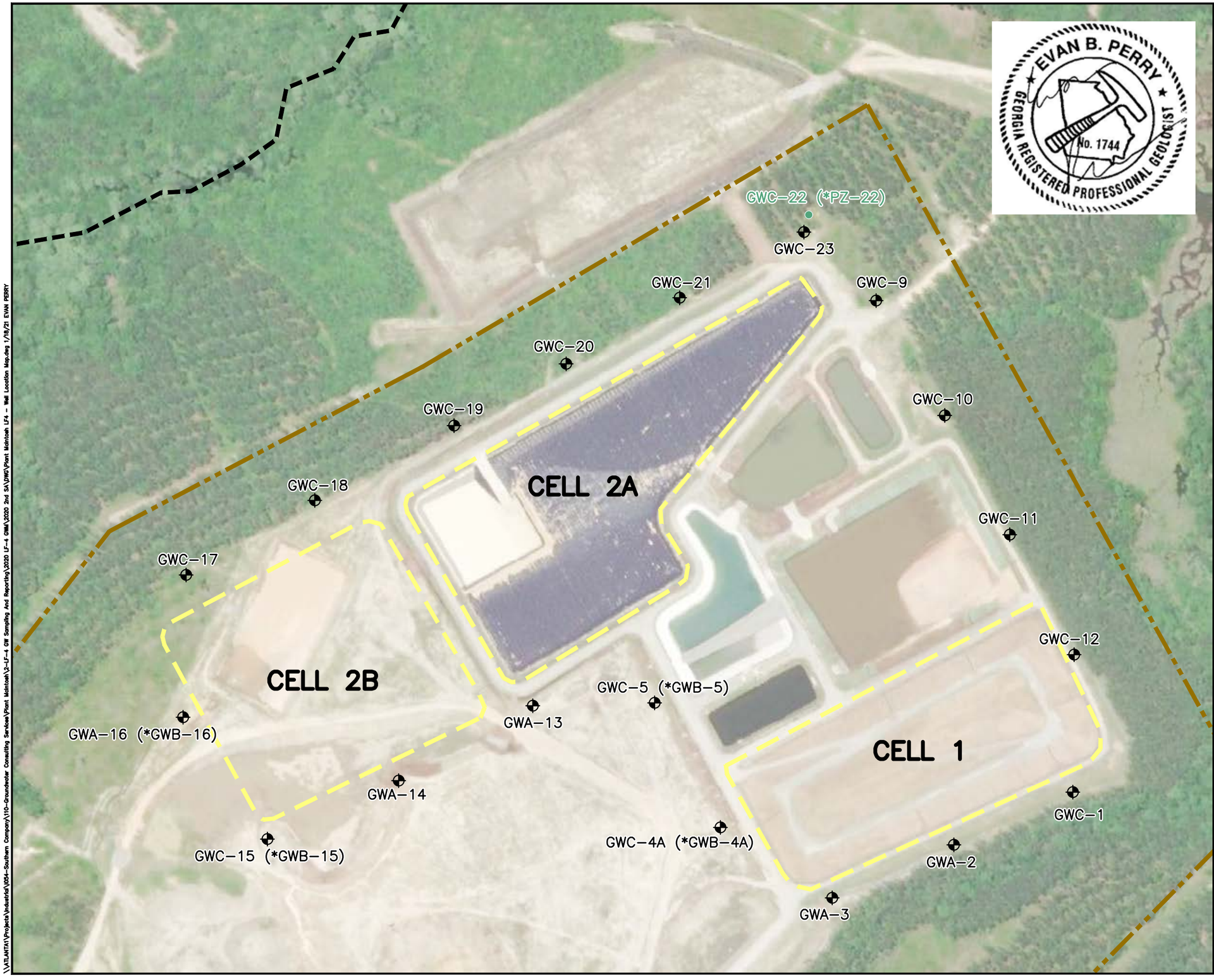
GEORGIA POWER COMPANY
PLANT McINTOSH

SITE LOCATION MAP

PROJECT NO. I054-110 JANUARY 2021

DRAWN BY:	MM	FIGURE:
CHECKED BY:	EP	1

\\ATLANTA1\Projects\Industrial\I054-Southern Company\110-Groundwater Consulting Services\Plant McIntosh\2-LF-4 GW Sampling And Reporting\2020 LF-4 CSM\2020 1st SA\[MXD\Plant McIntosh LF-4 Site Location Map.dwg 8/14/20 EVAN PERRY



EVAN B. PERRY
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1744

ATLANTIC COAST CONSULTING, INC.

250 0 125 250

SCALE (IN FEET)

LEGEND:

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

NOTES:
1. * INDICATES CHANGE REQUESTED IN THE NOVEMBER 2018 PERMIT APPLICATION. WELL DESIGNATIONS WILL BE UPDATED ONCE APPLICATION IS APPROVED. WELL IDS IN PARENTHESES ARE THE PROPOSED WELL IDS.
2. MONITORING WELLS GWC-17 AND GWC-18 ARE INCLUDED IN THE BACKGROUND MONITORING STATISTICAL POOL AS DESCRIBED IN THE APRIL 2018 ALTERNATIVE SOURCE DEMONSTRATION.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT MCINTOSH EXISTING LANDFILL NO. 4

WELL LOCATION MAP

PROJECT NO. I054-110 JANUARY 2021

DRAWN BY:	MM	FIGURE:
CHECKED BY:	EP	2

\\ATLANTA1\Projects\Industrial\I054-Southern Company\110-Groundwater Consulting Services\Plant McIntosh\2-LF-4 GW Sampling And Reporting\2020 LF-4 GWM\2020 2nd SA\DWG\Plant McIntosh LF4 - Well Location Map.dwg 1/15/21 EVAN PERRY

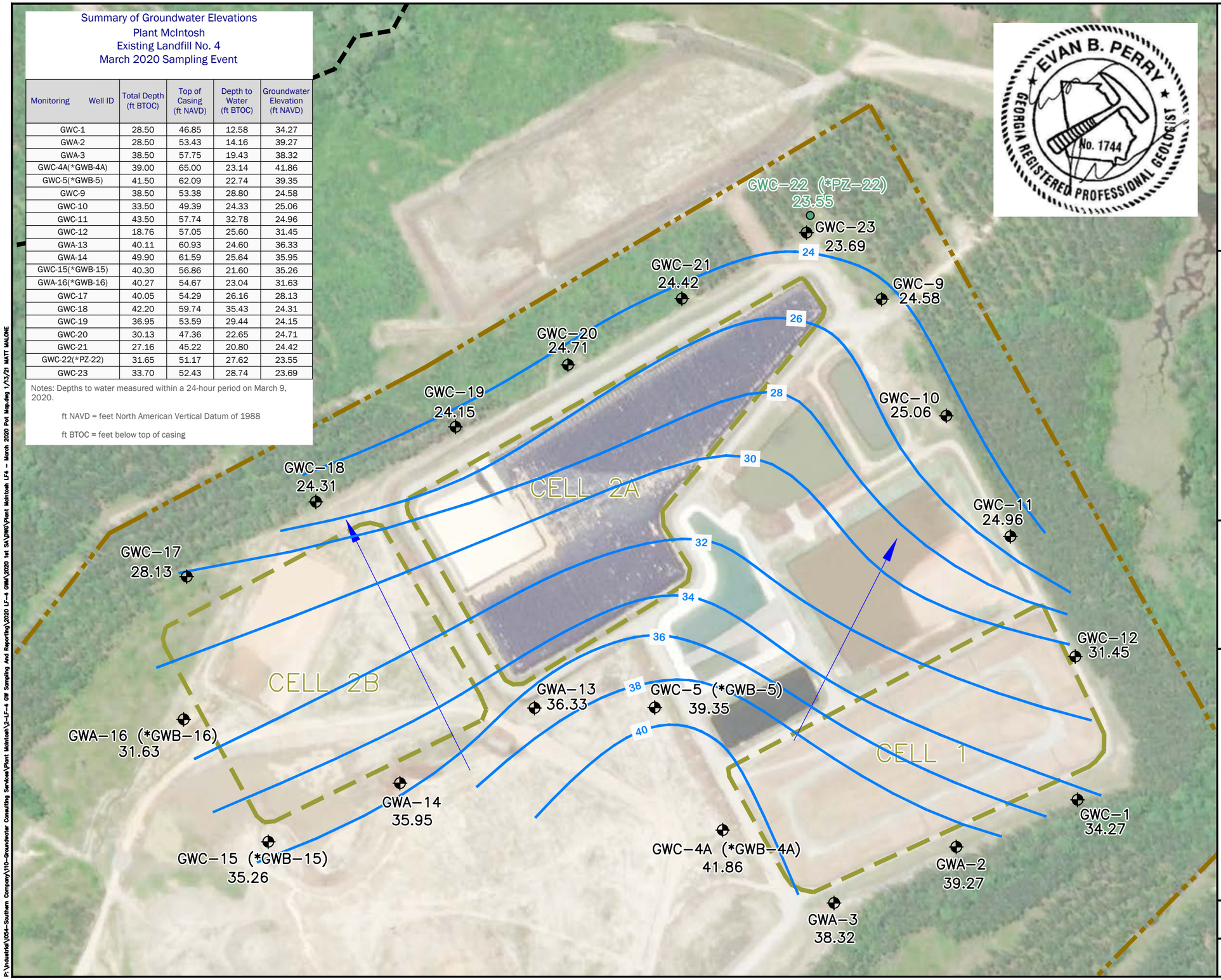
Summary of Groundwater Elevations
Plant McIntosh
Existing Landfill No. 4
March 2020 Sampling Event

Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD)
GWC-1	28.50	46.85	12.58	34.27
GWA-2	28.50	53.43	14.16	39.27
GWA-3	38.50	57.75	19.43	38.32
GWC-4A(*GWB-4A)	39.00	65.00	23.14	41.86
GWC-5(*GWB-5)	41.50	62.09	22.74	39.35
GWC-9	38.50	53.38	28.80	24.58
GWC-10	33.50	49.39	24.33	25.06
GWC-11	43.50	57.74	32.78	24.96
GWC-12	18.76	57.05	25.60	31.45
GWA-13	40.11	60.93	24.60	36.33
GWA-14	49.90	61.59	25.64	35.95
GWC-15(*GWB-15)	40.30	56.86	21.60	35.26
GWA-16(*GWB-16)	40.27	54.67	23.04	31.63
GWC-17	40.05	54.29	26.16	28.13
GWC-18	42.20	59.74	35.43	24.31
GWC-19	36.95	53.59	29.44	24.15
GWC-20	30.13	47.36	22.65	24.71
GWC-21	27.16	45.22	20.80	24.42
GWC-22(*PZ-22)	31.65	51.17	27.62	23.55
GWC-23	33.70	52.43	28.74	23.69

Notes: Depths to water measured within a 24-hour period on March 9, 2020.

ft NAVD = feet North American Vertical Datum of 1988

ft BTOC = feet below top of casing



EVAN B. PERRY
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1744

ATLANTIC COAST CONSULTING, INC.

250 0 125 250

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL BOUNDARY
	APPROXIMATE CELL BOUNDARY
GWC-1 34.27	MONITORING WELL GROUNDWATER ELEVATION
GWC-22 (*PZ-22) 23.55	PIEZOMETER GROUNDWATER ELEVATION
36	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

NOTES:
1. * INDICATES CHANGE REQUESTED IN THE NOVEMBER 2018 PERMIT APPLICATION. WELL DESIGNATIONS WILL BE UPDATED ONCE APPLICATION IS APPROVED. WELL IDS IN PARENTHESES ARE THE PROPOSED WELL IDS.
2. MONITORING WELLS GWC-17 AND GWC-18 ARE INCLUDED IN THE BACKGROUND MONITORING STATISTICAL POOL AS DESCRIBED IN THE APRIL 2018 ALTERNATIVE SOURCE DEMONSTRATION.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT MCINTOSH EXISTING LANDFILL NO. 4

POTENTIOMETRIC CONTOUR MAP - MARCH 2020

PROJECT NO. 1054-110 JANUARY 2021

DRAWN BY:	RW	FIGURE:
CHECKED BY:	MM	3

P:\Industrial\1054-Southern Company\110-Groundwater Consulting Services\Plant McIntosh\2-LF-4 GW Sampling And Reporting\2020 LF-4 GWA\2020 1st SA\DWG\Plant McIntosh LF4 - March 2020 Pot Map.dwg 1/13/21 MATT MALONE

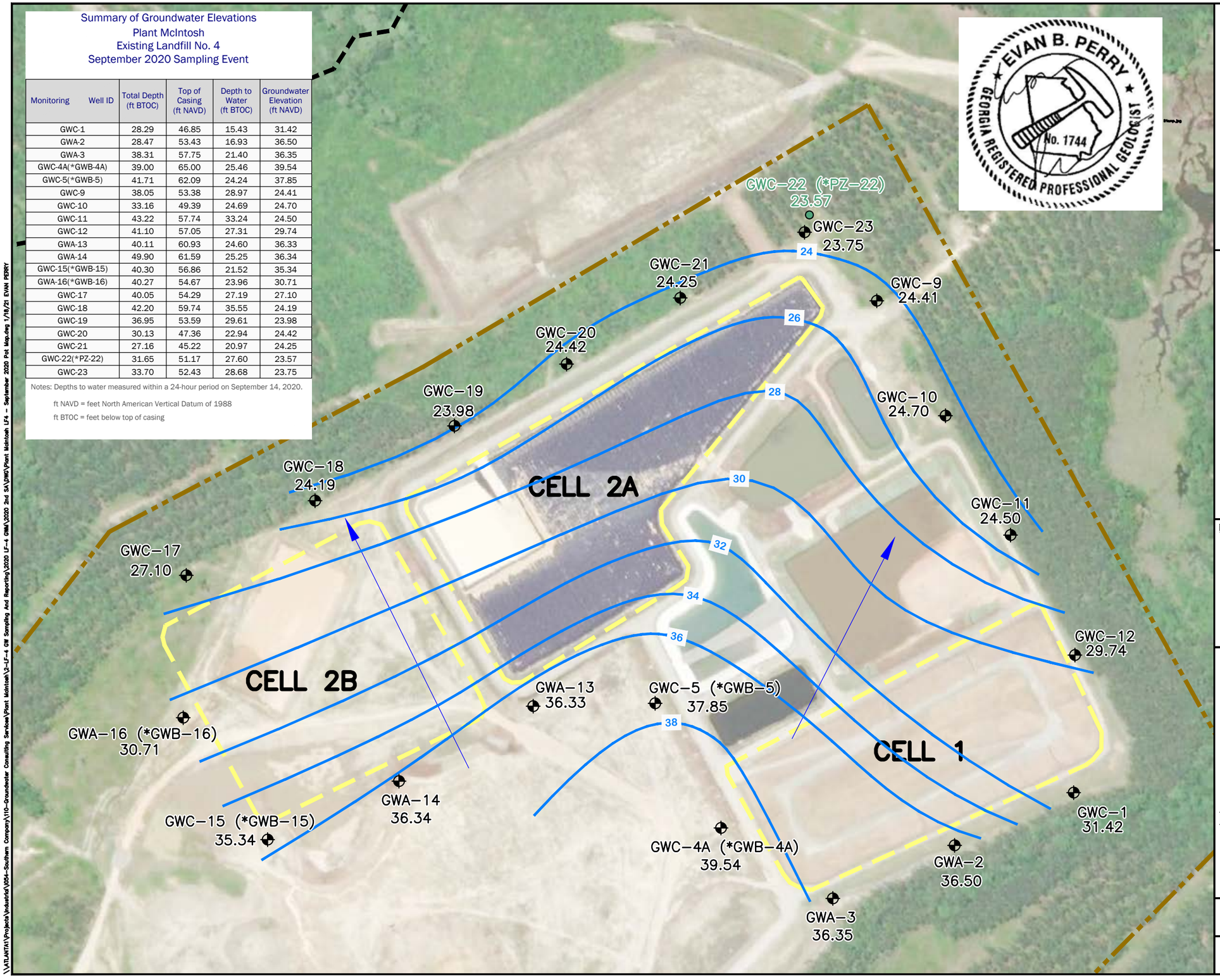
Summary of Groundwater Elevations
Plant McIntosh
Existing Landfill No. 4
September 2020 Sampling Event

Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD)
GWC-1	28.29	46.85	15.43	31.42
GWA-2	28.47	53.43	16.93	36.50
GWA-3	38.31	57.75	21.40	36.35
GWC-4A(*GWB-4A)	39.00	65.00	25.46	39.54
GWC-5(*GWB-5)	41.71	62.09	24.24	37.85
GWC-9	38.05	53.38	28.97	24.41
GWC-10	33.16	49.39	24.69	24.70
GWC-11	43.22	57.74	33.24	24.50
GWC-12	41.10	57.05	27.31	29.74
GWA-13	40.11	60.93	24.60	36.33
GWA-14	49.90	61.59	25.25	36.34
GWC-15(*GWB-15)	40.30	56.86	21.52	35.34
GWA-16(*GWB-16)	40.27	54.67	23.96	30.71
GWC-17	40.05	54.29	27.19	27.10
GWC-18	42.20	59.74	35.55	24.19
GWC-19	36.95	53.59	29.61	23.98
GWC-20	30.13	47.36	22.94	24.42
GWC-21	27.16	45.22	20.97	24.25
GWC-22(*PZ-22)	31.65	51.17	27.60	23.57
GWC-23	33.70	52.43	28.68	23.75

Notes: Depths to water measured within a 24-hour period on September 14, 2020.

ft NAVD = feet North American Vertical Datum of 1988

ft BTOC = feet below top of casing



EVAN B. PERRY
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1744

ATLANTIC COAST CONSULTING, INC.

250 0 125 250

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL BOUNDARY
	APPROXIMATE CELL BOUNDARY
GWC–1 31.42	MONITORING WELL GROUNDWATER ELEVATION
GWC–22 (*PZ–22) 23.57	PIEZOMETER GROUNDWATER ELEVATION
36	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

NOTES:
1. * INDICATES CHANGE REQUESTED IN THE NOVEMBER 2018 PERMIT APPLICATION. WELL DESIGNATIONS WILL BE UPDATED ONCE APPLICATION IS APPROVED. WELL IDS IN PARENTHESES ARE THE PROPOSED WELL IDS.
2. MONITORING WELLS GWC–17 AND GWC–18 ARE INCLUDED IN THE BACKGROUND MONITORING STATISTICAL POOL AS DESCRIBED IN THE APRIL 2018 ALTERNATIVE SOURCE DEMONSTRATION.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT MCINTOSH EXISTING LANDFILL NO. 4

POTENTIOMETRIC CONTOUR MAP - SEPTEMBER 2020

PROJECT NO. I054-110 JANUARY 2021

DRAWN BY:	RW	FIGURE:
CHECKED BY:	MM	4

\\ATLANTA\Projects\Industrial\I054-Southern Company\I10-Groundwater Consulting Services\Plant McIntosh\2-LF-4 GW Sampling And Reporting\2020 LF-4 GWA\2020 2nd SA\MXD\Plant McIntosh LF4 - September 2020 Pot Map.mxd 1/18/21 EVAN PERRY

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL AND FIELD SAMPLING REPORTS

eurofins | Environment Testing TestAmerica

July 16, 2020

Southern Company | Environmental Solutions
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308
Attn: Kristen Jurinko

Dear Kristen:

The purpose of this letter is to address the change in the reporting limit of Boron from 0.05 mg/L to 0.08 mg/L when Southern Company plants were transitioned to analysis of samples by the Eurofins TestAmerica laboratory in Pittsburgh.
The method detection limit (MDL) is a statistical representation of the 99% confidence level that an analyte concentration is greater than zero. Not long ago the EPA Method Update Rule modified the procedure by which laboratories must determine MDLs. The Eurofins TestAmerica Pittsburgh laboratory along with many other accredited laboratories adopted the new procedure as part of its requirements to obtain state certifications. The process requires a period of data collection and method blank evaluation. The MDL values are calculated from statistical variations of low level standards prepared and analyzed over a series of days and instruments or they are based on historic levels of the analyte in the blank; whichever is greater.
The reporting limit (RL) for an analyte is always above the MDL and reflects concentrations where the laboratory controls precision and bias because the RL is used as a censoring level for quantifying result data. A standard with the analytes at the reporting limit is analyzed as part of the method and must recover within 70-130% of the known value. The procedural changes in the Method Update Rule resulted in changes to MDLs and therefore RLs in some cases. MDL and Reporting Limits (RL) are reviewed annually and updated when necessary. The variability in instrumentation, method procedural steps, native background, historical requirements, and general laboratory processes can cause MDL's and RL's to be different from year to year and lab to lab.

In the specific case of boron the procedures used to determine the MDL and subsequently the RL resulted in the RL value of 0.08 mg/L. Data reported at this value meet the referenced method quality criteria; and, the RL is comparable to that at other laboratories using similar criteria.

Please let me know if you have any additional questions.

Sincerely,

Deborah L. Lowe
Laboratory Director

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-104180-1
Client Project/Site: CCR - Plant McIntosh Ash Landfill #4
Revision: 2

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

Attn: Ms. Lauren Petty

Authorized for release by:
5/7/2020 9:58:00 AM

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

PA Lab ID: 02-00416

Table of Contents

Case Narrative

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

Job ID: 180-104180-1

Job ID: 180-104180-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-104180-1

Comments
050720 Revised Report to add B and Ca to all samples. This report replaces the report previously issued on 050620.
050620 Revised Report to correct all metals to 15 state metals at client request. This report replaces the report previously issued on 042920.

Receipt
The samples were received on 4/1/2020 8:00 AM, 4/2/2020 8:30 AM and 4/3/2020 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 1.1º C, 1.6º C, 2.1º C, 3.4º C and 4.3º C.

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

Metals
Methods 6020B: The continuing calibration verification (CCV) associated with batch 180-313332 recovered above the upper control limit for arsenic and boron. The samples associated with this CCV were non-detects or less than the RL for the affected analytes; therefore, the data have been reported.

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-313470 recovered above the upper control limit for boron. The samples associated with this CCV were non-detects for boron or were below the reporting limit(RL); therefore, the data have been reported.

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

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

Definitions/Glossary

Client: Southern Company
Job ID: 180-104180-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-104180-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-20
California	State	2891	04-30-20
Connecticut	State	PH-0688	09-30-20
Florida	NELAP	E871008	06-30-20
Georgia	State	PA 02-00416	04-30-20
Illinois	NELAP	004375	06-30-20
Kansas	NELAP	E-10350	01-31-21
Kentucky (UST)	State	162013	04-30-20
Kentucky (WW)	State	KY98043	12-31-20
Louisiana	NELAP	04041	06-30-20
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-20
Nevada	State	PA00164	07-31-20
New Hampshire	NELAP	2030	04-05-21
New Jersey	NELAP	PA005	06-30-20
New York	NELAP	11182	04-01-21
North Carolina (WW/SW)	State	434	01-01-21
North Dakota	State	R-227	04-30-20
Oregon	NELAP	PA-2151	02-06-21
Pennsylvania	NELAP	02-00416	04-30-20
Rhode Island	State	LAO00362	12-31-20
South Carolina	State	89014	04-30-20
Texas	NELAP	T104704528	03-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-20
Virginia	NELAP	10043	09-15-20
West Virginia DEP	State	142	02-01-21
Wisconsin	State	998027800	08-31-20

Sample Summary

Client: Southern Company
Job ID: 180-104180-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-104180-1	GWC-4A	Water	03/31/20 13:25	04/01/20 08:00	
180-104180-2	GWC-5	Water	03/31/20 14:30	04/01/20 08:00	
180-104180-3	GWA-13	Water	03/31/20 15:30	04/01/20 08:00	
180-104220-1	GWC-12	Water	04/01/20 17:40	04/02/20 08:30	
180-104220-2	GWA-2	Water	04/01/20 14:40	04/02/20 08:30	
180-104220-3	GWA-3	Water	04/01/20 13:10	04/02/20 08:30	
180-104220-4	GWC-1	Water	04/01/20 16:10	04/02/20 08:30	
180-104220-5	GWA-16	Water	04/01/20 11:20	04/02/20 08:30	
180-104220-6	GWC-9	Water	04/01/20 16:45	04/02/20 08:30	
180-104220-7	GWC-21	Water	04/01/20 15:05	04/02/20 08:30	
180-104220-8	GWC-19	Water	04/01/20 13:35	04/02/20 08:30	
180-104220-9	GWA-14	Water	04/01/20 09:40	04/02/20 08:30	
180-104220-10	GWC-10	Water	04/01/20 17:50	04/02/20 08:30	
180-104220-11	GWC-20	Water	04/01/20 13:50	04/02/20 08:30	
180-104220-12	GWC-15	Water	04/01/20 10:00	04/02/20 08:30	
180-104220-13	GWC-17	Water	04/01/20 11:00	04/02/20 08:30	
180-104220-14	GWC-18	Water	04/01/20 12:10	04/02/20 08:30	
180-104220-15	GWC-23	Water	04/01/20 15:40	04/02/20 08:30	
180-104220-16	LF4-DUP-01	Water	04/01/20 00:00	04/02/20 08:30	
180-104275-1	GWC-11	Water	04/02/20 11:10	04/03/20 08:30	
180-104275-2	LF4-DUP-02	Water	04/02/20 00:00	04/03/20 08:30	
180-104275-3	LF4-FB-01	Water	04/02/20 12:20	04/03/20 08:30	
180-104275-4	LF4-FB-02	Water	04/02/20 12:25	04/03/20 08:30	
180-104275-5	LF4-FERB-01	Water	04/02/20 12:30	04/03/20 08:30	
180-104275-6	LF4-FERB-02	Water	04/02/20 12:35	04/03/20 08:30	

Method Summary

Client: Southern Company
Job ID: 180-104180-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-104180-1

Client Sample ID: GWC-4A
Date Collected: 03/31/20 13:25
Date Received: 04/01/20 08:00

Lab Sample ID: 180-104180-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312544	04/10/20 11:57	SAC	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	311870	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 16:32	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-5
Date Collected: 03/31/20 14:30
Date Received: 04/01/20 08:00

Lab Sample ID: 180-104180-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312544	04/10/20 12:13	SAC	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	311870	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 16:36	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-13
Date Collected: 03/31/20 15:30
Date Received: 04/01/20 08:00

Lab Sample ID: 180-104180-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312544	04/10/20 14:04	SAC	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	311870	04/02/20 10:00	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 16:39	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311873	04/02/20 08:04	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-12
Date Collected: 04/01/20 17:40
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 09:46	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 14:10	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-104180-1

Client Sample ID: GWA-2
Date Collected: 04/01/20 14:40
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 10:02	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 14:27	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-3
Date Collected: 04/01/20 13:10
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 10:18	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 14:31	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-1
Date Collected: 04/01/20 16:10
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 11:05	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 14:34	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-16
Date Collected: 04/01/20 11:20
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 11:21	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 14:38	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-104180-1

Client Sample ID: GWC-9

Date Collected: 04/01/20 16:45
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 08:29	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 14:48	WTR	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313490	04/21/20 13:04	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-21

Date Collected: 04/01/20 15:05
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 09:17	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 14:52	WTR	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313490	04/21/20 13:15	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-19

Date Collected: 04/01/20 13:35
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 09:33	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 14:55	WTR	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311981	04/03/20 09:17	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313490	04/21/20 13:18	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-104180-1

Client Sample ID: GWA-14

Date Collected: 04/01/20 09:40
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 09:48	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311982	04/03/20 09:19	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 17:11	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-10

Date Collected: 04/01/20 17:50
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 10:04	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311982	04/03/20 09:19	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 17:28	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-20

Date Collected: 04/01/20 13:50
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 10:20	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311982	04/03/20 09:19	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 17:32	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-15

Date Collected: 04/01/20 10:00
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 11:08	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311982	04/03/20 09:19	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 17:35	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311964	04/03/20 08:19	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-17

Lab Sample ID: 180-104220-13

Date Collected: 04/01/20 11:00

Matrix: Water

Date Received: 04/02/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 11:23	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311982	04/03/20 09:19	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 17:39	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311965	04/03/20 08:24	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-18

Lab Sample ID: 180-104220-14

Date Collected: 04/01/20 12:10

Matrix: Water

Date Received: 04/02/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 11:39	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311982	04/03/20 09:19	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 17:49	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311965	04/03/20 08:24	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-23

Lab Sample ID: 180-104220-15

Date Collected: 04/01/20 15:40

Matrix: Water

Date Received: 04/02/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 11:55	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311982	04/03/20 09:19	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 17:53	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311965	04/03/20 08:24	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-DUP-01

Lab Sample ID: 180-104220-16

Date Collected: 04/01/20 00:00

Matrix: Water

Date Received: 04/02/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312640	04/11/20 12:11	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	311982	04/03/20 09:19	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313332	04/18/20 17:56	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	311965	04/03/20 08:24	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-104180-1

Client Sample ID: GWC-11

Lab Sample ID: 180-104275-1

Date Collected: 04/02/20 11:10

Matrix: Water

Date Received: 04/03/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 18:43	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313470	04/21/20 13:38	RJR	TAL PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313652	04/22/20 13:57	WTR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	312057	04/04/20 08:38	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-DUP-02

Lab Sample ID: 180-104275-2

Date Collected: 04/02/20 00:00

Matrix: Water

Date Received: 04/03/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 18:59	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313470	04/21/20 13:45	RJR	TAL PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313652	04/22/20 14:00	WTR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	312209	04/07/20 06:54	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-FB-01

Lab Sample ID: 180-104275-3

Date Collected: 04/02/20 12:20

Matrix: Water

Date Received: 04/03/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 19:15	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313470	04/21/20 13:47	RJR	TAL PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313652	04/22/20 14:02	WTR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	312057	04/04/20 08:38	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-104180-1

Client Sample ID: LF4-FB-02

Lab Sample ID: 180-104275-4

Date Collected: 04/02/20 12:25
Matrix: Water
Date Received: 04/03/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 19:31	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313470	04/21/20 13:50	RJR	TAL PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313652	04/22/20 14:05	WTR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	312057	04/04/20 08:38	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-FERB-01

Lab Sample ID: 180-104275-5

Date Collected: 04/02/20 12:30
Matrix: Water
Date Received: 04/03/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 19:47	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313470	04/21/20 13:52	RJR	TAL PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313652	04/22/20 14:07	WTR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	312057	04/04/20 08:38	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-FERB-02

Lab Sample ID: 180-104275-6

Date Collected: 04/02/20 12:35
Matrix: Water
Date Received: 04/03/20 08:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			312641	04/11/20 20:02	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313470	04/21/20 13:55	RJR	TAL PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			50 mL	50 mL	312341	04/08/20 08:32	KEM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			313652	04/22/20 14:09	WTR	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	312057	04/04/20 08:38	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-104180-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KEM = Kimberly Mahoney
RJR = Ron Rosenbaum

Batch Type: Analysis

AVS = Abbey Smith
MJH = Matthew Hartman
RJR = Ron Rosenbaum
RSK = Robert Kurtz
SAC = Shawn Clemente
WTR = Bill Reinheimer

Client Sample ID: GWC-4A

Date Collected: 03/31/20 13:25
Date Received: 04/01/20 08:00

Lab Sample ID: 180-104180-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.9		1.0	0.32	mg/L			04/10/20 11:57	1
Fluoride	0.043	J	0.10	0.026	mg/L			04/10/20 11:57	1
Sulfate	6.2		1.0	0.38	mg/L			04/10/20 11:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/02/20 10:00	04/18/20 16:32	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/18/20 16:32	1
Barium	0.017		0.010	0.0016	mg/L		04/02/20 10:00	04/18/20 16:32	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/18/20 16:32	1
Boron	<0.039	^	0.080	0.039	mg/L		04/02/20 10:00	04/18/20 16:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/18/20 16:32	1
Calcium	0.80		0.50	0.13	mg/L		04/02/20 10:00	04/18/20 16:32	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/18/20 16:32	1
Cobalt	0.0038		0.0025	0.00013	mg/L		04/02/20 10:00	04/18/20 16:32	1
Copper	0.0051		0.0020	0.00063	mg/L		04/02/20 10:00	04/18/20 16:32	1
Lead	0.00024	J	0.0010	0.00013	mg/L		04/02/20 10:00	04/18/20 16:32	1
Nickel	0.0028		0.0010	0.00034	mg/L		04/02/20 10:00	04/18/20 16:32	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/18/20 16:32	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/18/20 16:32	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/18/20 16:32	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/02/20 10:00	04/18/20 16:32	1
Zinc	0.013	B	0.0050	0.0032	mg/L		04/02/20 10:00	04/18/20 16:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	27		10	10	mg/L			04/02/20 08:04	1

Client Sample ID: GWC-5

Date Collected: 03/31/20 14:30
Date Received: 04/01/20 08:00

Lab Sample ID: 180-104180-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.1		1.0	0.32	mg/L			04/10/20 12:13	1
Fluoride	0.061	J	0.10	0.026	mg/L			04/10/20 12:13	1
Sulfate	0.76	J	1.0	0.38	mg/L			04/10/20 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/02/20 10:00	04/18/20 16:36	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/18/20 16:36	1
Barium	0.044		0.010	0.0016	mg/L		04/02/20 10:00	04/18/20 16:36	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/18/20 16:36	1
Boron	<0.039	^	0.080	0.039	mg/L		04/02/20 10:00	04/18/20 16:36	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/18/20 16:36	1
Calcium	2.9		0.50	0.13	mg/L		04/02/20 10:00	04/18/20 16:36	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/18/20 16:36	1
Cobalt	0.00067	J	0.0025	0.00013	mg/L		04/02/20 10:00	04/18/20 16:36	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/18/20 16:36	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/18/20 16:36	1

Client Sample ID: GWC-5

Date Collected: 03/31/20 14:30
Date Received: 04/01/20 08:00

Lab Sample ID: 180-104180-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00034		0.0010	0.00034	mg/L		04/02/20 10:00	04/18/20 16:36	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/18/20 16:36	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/18/20 16:36	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/18/20 16:36	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/02/20 10:00	04/18/20 16:36	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/18/20 16:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**28**		10	10	mg/L			04/02/20 08:04	1

Client Sample ID: GWA-13

Date Collected: 03/31/20 15:30
Date Received: 04/01/20 08:00

Lab Sample ID: 180-104180-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.32	mg/L			04/10/20 14:04	1
Fluoride	**0.046**	**J**	0.10	0.026	mg/L			04/10/20 14:04	1
Sulfate	**1.4**		1.0	0.38	mg/L			04/10/20 14:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/02/20 10:00	04/18/20 16:39	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/18/20 16:39	1
Barium	**0.015**		0.010	0.0016	mg/L		04/02/20 10:00	04/18/20 16:39	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/18/20 16:39	1
Boron	<0.039	^	0.080	0.039	mg/L		04/02/20 10:00	04/18/20 16:39	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/18/20 16:39	1
Calcium	**0.42**	**J**	0.50	0.13	mg/L		04/02/20 10:00	04/18/20 16:39	1
Chromium	**0.0019**	**J**	0.0020	0.0015	mg/L		04/02/20 10:00	04/18/20 16:39	1
Cobalt	**0.00034**	**J**	0.0025	0.00013	mg/L		04/02/20 10:00	04/18/20 16:39	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/18/20 16:39	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/18/20 16:39	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/02/20 10:00	04/18/20 16:39	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/18/20 16:39	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/18/20 16:39	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/18/20 16:39	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/02/20 10:00	04/18/20 16:39	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/02/20 10:00	04/18/20 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**17**		10	10	mg/L			04/02/20 08:04	1

Client Sample ID: GWC-12

Date Collected: 04/01/20 17:40
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.32	mg/L			04/11/20 09:46	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 09:46	1
Sulfate	**0.91**	**J**	1.0	0.38	mg/L			04/11/20 09:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 14:10	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 14:10	1
Barium	**0.0097**	**J**	0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 14:10	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 14:10	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:17	04/18/20 14:10	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 14:10	1
Calcium	**0.70**		0.50	0.13	mg/L		04/03/20 09:17	04/18/20 14:10	1
Chromium	**0.0019**	**J**	0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 14:10	1
Cobalt	**0.00051**	**J**	0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 14:10	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 14:10	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 14:10	1
Nickel	**0.00080**	**J**	0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 14:10	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 14:10	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 14:10	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 14:10	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 14:10	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**20**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWA-2

Date Collected: 04/01/20 14:40
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.9**		1.0	0.32	mg/L			04/11/20 10:02	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 10:02	1
Sulfate	**0.95**	**J**	1.0	0.38	mg/L			04/11/20 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00040**	**J**	0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 14:27	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 14:27	1
Barium	**0.037**		0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 14:27	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 14:27	1
Boron	**0.042**	**J**	0.080	0.039	mg/L		04/03/20 09:17	04/18/20 14:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 14:27	1
Calcium	**0.47**	**J**	0.50	0.13	mg/L		04/03/20 09:17	04/18/20 14:27	1
Chromium	**0.0017**	**J**	0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 14:27	1
Cobalt	**0.0013**	**J**	0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 14:27	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 14:27	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 14:27	1

Client Sample ID: GWA-2

Date Collected: 04/01/20 14:40
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.00077	J	0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 14:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 14:27	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 14:27	1
Thallium	0.00017	J	0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 14:27	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 14:27	1
Zinc	0.0066		0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 14:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	32		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWA-3

Date Collected: 04/01/20 13:10
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.7		1.0	0.32	mg/L			04/11/20 10:18	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 10:18	1
Sulfate	1.1		1.0	0.38	mg/L			04/11/20 10:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 14:31	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 14:31	1
Barium	0.014		0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 14:31	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 14:31	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:17	04/18/20 14:31	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 14:31	1
Calcium	0.72		0.50	0.13	mg/L		04/03/20 09:17	04/18/20 14:31	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 14:31	1
Cobalt	0.00024	J	0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 14:31	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 14:31	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 14:31	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 14:31	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 14:31	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 14:31	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 14:31	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 14:31	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 14:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	20		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWC-1

Date Collected: 04/01/20 16:10
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.9**		1.0	0.32	mg/L			04/11/20 11:05	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 11:05	1
Sulfate	**2.0**		1.0	0.38	mg/L			04/11/20 11:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 14:34	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 14:34	1
Barium	**0.041**		0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 14:34	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 14:34	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:17	04/18/20 14:34	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 14:34	1
Calcium	**1.9**		0.50	0.13	mg/L		04/03/20 09:17	04/18/20 14:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 14:34	1
Cobalt	**0.0016**	**J**	0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 14:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 14:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 14:34	1
Nickel	**0.00099**	**J**	0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 14:34	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 14:34	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 14:34	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 14:34	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 14:34	1
Zinc	**0.0046**	**J**	0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**39**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWA-16

Date Collected: 04/01/20 11:20
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.8**		1.0	0.32	mg/L			04/11/20 11:21	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 11:21	1
Sulfate	**0.73**	**J**	1.0	0.38	mg/L			04/11/20 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 14:38	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 14:38	1
Barium	**0.022**		0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 14:38	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 14:38	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:17	04/18/20 14:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 14:38	1
Calcium	**0.43**	**J**	0.50	0.13	mg/L		04/03/20 09:17	04/18/20 14:38	1
Chromium	**0.024**		0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 14:38	1
Cobalt	**0.00036**	**J**	0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 14:38	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 14:38	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 14:38	1

Client Sample ID: GWA-16
Lab Sample ID: 180-104220-5
Date Collected: 04/01/20 11:20
Matrix: Water
Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00034		0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 14:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 14:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 14:38	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 14:38	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 14:38	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 14:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**15**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWC-9
Lab Sample ID: 180-104220-6
Date Collected: 04/01/20 16:45
Matrix: Water
Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.7**		1.0	0.32	mg/L			04/11/20 08:29	1
Fluoride	**0.051**	**J**	0.10	0.026	mg/L			04/11/20 08:29	1
Sulfate	**4.1**		1.0	0.38	mg/L			04/11/20 08:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 14:48	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 14:48	1
Barium	**0.021**		0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 14:48	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 14:48	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:17	04/21/20 13:04	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 14:48	1
Calcium	**0.20**	**J**	0.50	0.13	mg/L		04/03/20 09:17	04/18/20 14:48	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 14:48	1
Cobalt	**0.00042**	**J**	0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 14:48	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 14:48	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 14:48	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 14:48	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 14:48	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 14:48	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 14:48	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 14:48	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**36**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWC-21

Date Collected: 04/01/20 15:05
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.5**		1.0	0.32	mg/L			04/11/20 09:17	1
Fluoride	**0.040**	**J**	0.10	0.026	mg/L			04/11/20 09:17	1
Sulfate	**0.81**	**J**	1.0	0.38	mg/L			04/11/20 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 14:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 14:52	1
Barium	**0.018**		0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 14:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 14:52	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:17	04/21/20 13:15	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 14:52	1
Calcium	**1.1**		0.50	0.13	mg/L		04/03/20 09:17	04/18/20 14:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 14:52	1
Cobalt	**0.00088**	**J**	0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 14:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 14:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 14:52	1
Nickel	**0.00067**	**J**	0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 14:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 14:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 14:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 14:52	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 14:52	1
Zinc	**0.0032**	**J**	0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**21**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWC-19

Date Collected: 04/01/20 13:35
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.3**		1.0	0.32	mg/L			04/11/20 09:33	1
Fluoride	**0.11**		0.10	0.026	mg/L			04/11/20 09:33	1
Sulfate	**2.1**		1.0	0.38	mg/L			04/11/20 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 14:55	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 14:55	1
Barium	**0.013**		0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 14:55	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 14:55	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:17	04/21/20 13:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 14:55	1
Calcium	**8.7**		0.50	0.13	mg/L		04/03/20 09:17	04/18/20 14:55	1
Chromium	**0.0018**	**J**	0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 14:55	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 14:55	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 14:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 14:55	1

Client Sample ID: GWC-19

Lab Sample ID: 180-104220-8

Date Collected: 04/01/20 13:35

Matrix: Water

Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**0.0014**		0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 14:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 14:55	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 14:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 14:55	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 14:55	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**52**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWA-14

Lab Sample ID: 180-104220-9

Date Collected: 04/01/20 09:40

Matrix: Water

Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.2**		1.0	0.32	mg/L			04/11/20 09:48	1
Fluoride	**0.048**	**J**	0.10	0.026	mg/L			04/11/20 09:48	1
Sulfate	**0.67**	**J**	1.0	0.38	mg/L			04/11/20 09:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 17:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 17:11	1
Barium	**0.013**		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 17:11	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 17:11	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:19	04/18/20 17:11	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 17:11	1
Calcium	**0.49**	**J**	0.50	0.13	mg/L		04/03/20 09:19	04/18/20 17:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 17:11	1
Cobalt	**0.00033**	**J**	0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 17:11	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 17:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 17:11	1
Nickel	**0.00043**	**J**	0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 17:11	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 17:11	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 17:11	1
Thallium	**0.00018**	**J**	0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 17:11	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 17:11	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWC-10

Date Collected: 04/01/20 17:50
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.9**		1.0	0.32	mg/L			04/11/20 10:04	1
Fluoride	**0.26**		0.10	0.026	mg/L			04/11/20 10:04	1
Sulfate	**2.2**		1.0	0.38	mg/L			04/11/20 10:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 17:28	1
Arsenic	**0.00055**	**J**	0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 17:28	1
Barium	**0.035**		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 17:28	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 17:28	1
Boron	**0.068**	**J**	0.080	0.039	mg/L		04/03/20 09:19	04/18/20 17:28	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 17:28	1
Calcium	**21**		0.50	0.13	mg/L		04/03/20 09:19	04/18/20 17:28	1
Chromium	**0.0084**		0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 17:28	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 17:28	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 17:28	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 17:28	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 17:28	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 17:28	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 17:28	1
Thallium	**0.00031**	**J**	0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 17:28	1
Vanadium	**0.0012**		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 17:28	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**130**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWC-20

Date Collected: 04/01/20 13:50
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.6**		1.0	0.32	mg/L			04/11/20 10:20	1
Fluoride	**0.082**	**J**	0.10	0.026	mg/L			04/11/20 10:20	1
Sulfate	**1.6**		1.0	0.38	mg/L			04/11/20 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 17:32	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 17:32	1
Barium	**0.016**		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 17:32	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 17:32	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:19	04/18/20 17:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 17:32	1
Calcium	**1.8**		0.50	0.13	mg/L		04/03/20 09:19	04/18/20 17:32	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 17:32	1
Cobalt	**0.00094**	**J**	0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 17:32	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 17:32	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 17:32	1

Client Sample ID: GWC-20

Date Collected: 04/01/20 13:50
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**0.0010**		0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 17:32	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 17:32	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 17:32	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 17:32	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 17:32	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**26**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWC-15

Date Collected: 04/01/20 10:00
Date Received: 04/02/20 08:30

Lab Sample ID: 180-104220-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.8**		1.0	0.32	mg/L			04/11/20 11:08	1
Fluoride	**0.050**	**J**	0.10	0.026	mg/L			04/11/20 11:08	1
Sulfate	**0.49**	**J**	1.0	0.38	mg/L			04/11/20 11:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 17:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 17:35	1
Barium	**0.026**		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 17:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 17:35	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:19	04/18/20 17:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 17:35	1
Calcium	**2.3**		0.50	0.13	mg/L		04/03/20 09:19	04/18/20 17:35	1
Chromium	**0.0015**	**J**	0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 17:35	1
Cobalt	**0.00036**	**J**	0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 17:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 17:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 17:35	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 17:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 17:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 17:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 17:35	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 17:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 17:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**21**		10	10	mg/L			04/03/20 08:19	1

Client Sample ID: GWC-17

Lab Sample ID: 180-104220-13

Date Collected: 04/01/20 11:00

Matrix: Water

Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		1.0	0.32	mg/L			04/11/20 11:23	1
Fluoride	**0.15**		0.10	0.026	mg/L			04/11/20 11:23	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 11:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 17:39	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 17:39	1
Barium	**0.019**		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 17:39	1
Beryllium	**0.00058**	**J**	0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 17:39	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:19	04/18/20 17:39	1
Cadmium	**0.00048**	**J**	0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 17:39	1
Calcium	**2.1**		0.50	0.13	mg/L		04/03/20 09:19	04/18/20 17:39	1
Chromium	**0.0032**		0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 17:39	1
Cobalt	**0.00023**	**J**	0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 17:39	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 17:39	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 17:39	1
Nickel	**0.0016**		0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 17:39	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 17:39	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 17:39	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 17:39	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 17:39	1
Zinc	**0.0050**		0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 17:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**27**		10	10	mg/L			04/03/20 08:24	1

Client Sample ID: GWC-18

Lab Sample ID: 180-104220-14

Date Collected: 04/01/20 12:10

Matrix: Water

Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.7**		1.0	0.32	mg/L			04/11/20 11:39	1
Fluoride	**0.59**		0.10	0.026	mg/L			04/11/20 11:39	1
Sulfate	**4.1**		1.0	0.38	mg/L			04/11/20 11:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 17:49	1
Arsenic	**0.00067**		0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 17:49	1
Barium	**0.013**		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 17:49	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 17:49	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:19	04/18/20 17:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 17:49	1
Calcium	**11**		0.50	0.13	mg/L		04/03/20 09:19	04/18/20 17:49	1
Chromium	**0.0025**		0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 17:49	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 17:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 17:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 17:49	1

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

Job ID: 180-104180-1

Client Sample ID: GWC-18

Lab Sample ID: 180-104220-14

Date Collected: 04/01/20 12:10
Matrix: Water
Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**0.00095**		0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 17:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 17:49	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 17:49	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 17:49	1
Vanadium	**0.0024**		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 17:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 17:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**73**		10	10	mg/L			04/03/20 08:24	1

Client Sample ID: GWC-23

Lab Sample ID: 180-104220-15

Date Collected: 04/01/20 15:40
Matrix: Water
Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.9**		1.0	0.32	mg/L			04/11/20 11:55	1
Fluoride	**0.050**	**J**	0.10	0.026	mg/L			04/11/20 11:55	1
Sulfate	**2.0**		1.0	0.38	mg/L			04/11/20 11:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 17:53	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 17:53	1
Barium	**0.024**		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 17:53	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 17:53	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:19	04/18/20 17:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 17:53	1
Calcium	**1.4**		0.50	0.13	mg/L		04/03/20 09:19	04/18/20 17:53	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 17:53	1
Cobalt	**0.0037**		0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 17:53	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 17:53	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 17:53	1
Nickel	**0.0013**		0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 17:53	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 17:53	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 17:53	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 17:53	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 17:53	1
Zinc	**0.0033**	**J**	0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 17:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**25**		10	10	mg/L			04/03/20 08:24	1

Client Sample ID: LF4-DUP-01

Lab Sample ID: 180-104220-16

Date Collected: 04/01/20 00:00

Matrix: Water

Date Received: 04/02/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.2**		1.0	0.32	mg/L			04/11/20 12:11	1
Fluoride	**0.058**	**J**	0.10	0.026	mg/L			04/11/20 12:11	1
Sulfate	**2.2**		1.0	0.38	mg/L			04/11/20 12:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 17:56	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 17:56	1
Barium	**0.025**		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 17:56	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 17:56	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:19	04/18/20 17:56	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 17:56	1
Calcium	**1.4**		0.50	0.13	mg/L		04/03/20 09:19	04/18/20 17:56	1
Chromium	**0.0020**		0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 17:56	1
Cobalt	**0.0038**		0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 17:56	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 17:56	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 17:56	1
Nickel	**0.0013**		0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 17:56	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 17:56	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 17:56	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 17:56	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 17:56	1
Zinc	**0.0047**	**J**	0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 17:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**26**		10	10	mg/L			04/03/20 08:24	1

Client Sample ID: GWC-11

Lab Sample ID: 180-104275-1

Date Collected: 04/02/20 11:10

Matrix: Water

Date Received: 04/03/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		1.0	0.32	mg/L			04/11/20 18:43	1
Fluoride	**0.26**		0.10	0.026	mg/L			04/11/20 18:43	1
Sulfate	**3.4**		1.0	0.38	mg/L			04/11/20 18:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/08/20 08:32	04/21/20 13:38	1
Arsenic	**0.0014**		0.0010	0.00031	mg/L		04/08/20 08:32	04/21/20 13:38	1
Barium	**0.011**		0.010	0.0016	mg/L		04/08/20 08:32	04/21/20 13:38	1
Beryllium	**0.00023**	**J**	0.0025	0.00018	mg/L		04/08/20 08:32	04/21/20 13:38	1
Boron	**0.066**	**J**	0.080	0.039	mg/L		04/08/20 08:32	04/21/20 13:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/08/20 08:32	04/21/20 13:38	1
Calcium	**8.5**		0.50	0.13	mg/L		04/08/20 08:32	04/21/20 13:38	1
Chromium	**0.0055**		0.0020	0.0015	mg/L		04/08/20 08:32	04/21/20 13:38	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/08/20 08:32	04/21/20 13:38	1
Copper	**0.0013**	**J B**	0.0020	0.00063	mg/L		04/08/20 08:32	04/21/20 13:38	1
Lead	**0.00025**	**J B**	0.0010	0.00013	mg/L		04/08/20 08:32	04/21/20 13:38	1

Client Sample ID: GWC-11

Lab Sample ID: 180-104275-1

Date Collected: 04/02/20 11:10

Matrix: Water

Date Received: 04/03/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.00090	J	0.0010	0.00034	mg/L		04/08/20 08:32	04/21/20 13:38	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/08/20 08:32	04/21/20 13:38	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/08/20 08:32	04/21/20 13:38	1
Thallium	0.00028	J	0.0010	0.00015	mg/L		04/08/20 08:32	04/21/20 13:38	1
Vanadium	0.0016		0.0010	0.00099	mg/L		04/08/20 08:32	04/22/20 13:57	1
Zinc	0.0049	J	0.0050	0.0032	mg/L		04/08/20 08:32	04/21/20 13:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	63		10	10	mg/L			04/04/20 08:38	1

Client Sample ID: LF4-DUP-02

Lab Sample ID: 180-104275-2

Date Collected: 04/02/20 00:00

Matrix: Water

Date Received: 04/03/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.5		1.0	0.32	mg/L			04/11/20 18:59	1
Fluoride	0.25		0.10	0.026	mg/L			04/11/20 18:59	1
Sulfate	3.2		1.0	0.38	mg/L			04/11/20 18:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/08/20 08:32	04/21/20 13:45	1
Arsenic	0.0013		0.0010	0.00031	mg/L		04/08/20 08:32	04/21/20 13:45	1
Barium	0.011		0.010	0.0016	mg/L		04/08/20 08:32	04/21/20 13:45	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/08/20 08:32	04/21/20 13:45	1
Boron	0.040	J ^	0.080	0.039	mg/L		04/08/20 08:32	04/21/20 13:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/08/20 08:32	04/21/20 13:45	1
Calcium	8.5		0.50	0.13	mg/L		04/08/20 08:32	04/21/20 13:45	1
Chromium	0.0055		0.0020	0.0015	mg/L		04/08/20 08:32	04/21/20 13:45	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/08/20 08:32	04/21/20 13:45	1
Copper	0.0012	J B	0.0020	0.00063	mg/L		04/08/20 08:32	04/21/20 13:45	1
Lead	0.00018	J B	0.0010	0.00013	mg/L		04/08/20 08:32	04/21/20 13:45	1
Nickel	0.00057	J	0.0010	0.00034	mg/L		04/08/20 08:32	04/21/20 13:45	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/08/20 08:32	04/21/20 13:45	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/08/20 08:32	04/21/20 13:45	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/08/20 08:32	04/21/20 13:45	1
Vanadium	0.0018		0.0010	0.00099	mg/L		04/08/20 08:32	04/22/20 14:00	1
Zinc	0.0047	J	0.0050	0.0032	mg/L		04/08/20 08:32	04/21/20 13:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	65		10	10	mg/L			04/07/20 06:54	1

Client Sample ID: LF4-FB-01

Date Collected: 04/02/20 12:20
Date Received: 04/03/20 08:30

Lab Sample ID: 180-104275-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 19:15	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 19:15	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 19:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/08/20 08:32	04/21/20 13:47	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/08/20 08:32	04/21/20 13:47	1
Barium	<0.0016		0.010	0.0016	mg/L		04/08/20 08:32	04/21/20 13:47	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/08/20 08:32	04/21/20 13:47	1
Boron	<0.039	^	0.080	0.039	mg/L		04/08/20 08:32	04/21/20 13:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/08/20 08:32	04/21/20 13:47	1
Calcium	<0.13		0.50	0.13	mg/L		04/08/20 08:32	04/21/20 13:47	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/08/20 08:32	04/21/20 13:47	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/08/20 08:32	04/21/20 13:47	1
Copper	**0.0011**	**J B**	0.0020	0.00063	mg/L		04/08/20 08:32	04/21/20 13:47	1
Lead	**0.00029**	**J B**	0.0010	0.00013	mg/L		04/08/20 08:32	04/21/20 13:47	1
Nickel	**0.00036**	**J**	0.0010	0.00034	mg/L		04/08/20 08:32	04/21/20 13:47	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/08/20 08:32	04/21/20 13:47	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/08/20 08:32	04/21/20 13:47	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/08/20 08:32	04/21/20 13:47	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/08/20 08:32	04/22/20 14:02	1
Zinc	**0.0065**		0.0050	0.0032	mg/L		04/08/20 08:32	04/21/20 13:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/04/20 08:38	1

Client Sample ID: LF4-FB-02

Date Collected: 04/02/20 12:25
Date Received: 04/03/20 08:30

Lab Sample ID: 180-104275-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 19:31	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 19:31	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 19:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/08/20 08:32	04/21/20 13:50	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/08/20 08:32	04/21/20 13:50	1
Barium	<0.0016		0.010	0.0016	mg/L		04/08/20 08:32	04/21/20 13:50	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/08/20 08:32	04/21/20 13:50	1
Boron	<0.039	^	0.080	0.039	mg/L		04/08/20 08:32	04/21/20 13:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/08/20 08:32	04/21/20 13:50	1
Calcium	<0.13		0.50	0.13	mg/L		04/08/20 08:32	04/21/20 13:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/08/20 08:32	04/21/20 13:50	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/08/20 08:32	04/21/20 13:50	1
Copper	**0.00075**	**J B**	0.0020	0.00063	mg/L		04/08/20 08:32	04/21/20 13:50	1
Lead	**0.00015**	**J B**	0.0010	0.00013	mg/L		04/08/20 08:32	04/21/20 13:50	1

Client Sample ID: LF4-FB-02
Lab Sample ID: 180-104275-4
Date Collected: 04/02/20 12:25
Matrix: Water
Date Received: 04/03/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00034		0.0010	0.00034	mg/L		04/08/20 08:32	04/21/20 13:50	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/08/20 08:32	04/21/20 13:50	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/08/20 08:32	04/21/20 13:50	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/08/20 08:32	04/21/20 13:50	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/08/20 08:32	04/22/20 14:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/08/20 08:32	04/21/20 13:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/04/20 08:38	1

Client Sample ID: LF4-FERB-01
Lab Sample ID: 180-104275-5
Date Collected: 04/02/20 12:30
Matrix: Water
Date Received: 04/03/20 08:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 19:47	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 19:47	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/08/20 08:32	04/21/20 13:52	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/08/20 08:32	04/21/20 13:52	1
Barium	<0.0016		0.010	0.0016	mg/L		04/08/20 08:32	04/21/20 13:52	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/08/20 08:32	04/21/20 13:52	1
Boron	<0.039	^	0.080	0.039	mg/L		04/08/20 08:32	04/21/20 13:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/08/20 08:32	04/21/20 13:52	1
Calcium	<0.13		0.50	0.13	mg/L		04/08/20 08:32	04/21/20 13:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/08/20 08:32	04/21/20 13:52	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/08/20 08:32	04/21/20 13:52	1
Copper	**0.00065**	**J B**	0.0020	0.00063	mg/L		04/08/20 08:32	04/21/20 13:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/08/20 08:32	04/21/20 13:52	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/08/20 08:32	04/21/20 13:52	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/08/20 08:32	04/21/20 13:52	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/08/20 08:32	04/21/20 13:52	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/08/20 08:32	04/21/20 13:52	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/08/20 08:32	04/22/20 14:07	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/08/20 08:32	04/21/20 13:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/04/20 08:38	1

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

Job ID: 180-104180-1

Client Sample ID: LF4-FERB-02

Date Collected: 04/02/20 12:35
Date Received: 04/03/20 08:30

Lab Sample ID: 180-104275-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 20:02	1
Fluoride	**0.026**	**J**	0.10	0.026	mg/L			04/11/20 20:02	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/08/20 08:32	04/21/20 13:55	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/08/20 08:32	04/21/20 13:55	1
Barium	<0.0016		0.010	0.0016	mg/L		04/08/20 08:32	04/21/20 13:55	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/08/20 08:32	04/21/20 13:55	1
Boron	<0.039	^	0.080	0.039	mg/L		04/08/20 08:32	04/21/20 13:55	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/08/20 08:32	04/21/20 13:55	1
Calcium	<0.13		0.50	0.13	mg/L		04/08/20 08:32	04/21/20 13:55	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/08/20 08:32	04/21/20 13:55	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/08/20 08:32	04/21/20 13:55	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/08/20 08:32	04/21/20 13:55	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/08/20 08:32	04/21/20 13:55	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/08/20 08:32	04/21/20 13:55	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/08/20 08:32	04/21/20 13:55	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/08/20 08:32	04/21/20 13:55	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/08/20 08:32	04/21/20 13:55	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/08/20 08:32	04/22/20 14:09	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/08/20 08:32	04/21/20 13:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/04/20 08:38	1

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

Lab Sample ID: MB 180-312544/48
Matrix: Water
Analysis Batch: 312544

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 18:17	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 18:17	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 18:17	1

Lab Sample ID: MB 180-312544/6
Matrix: Water
Analysis Batch: 312544

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/10/20 07:13	1
Fluoride	<0.026		0.10	0.026	mg/L			04/10/20 07:13	1
Sulfate	<0.38		1.0	0.38	mg/L			04/10/20 07:13	1

Lab Sample ID: LCS 180-312544/47
Matrix: Water
Analysis Batch: 312544

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.2		mg/L		96	90 - 110
Fluoride	2.50	2.30		mg/L		92	90 - 110
Sulfate	50.0	47.5		mg/L		95	90 - 110

Lab Sample ID: LCS 180-312544/5
Matrix: Water
Analysis Batch: 312544

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.6		mg/L		97	90 - 110
Fluoride	2.50	2.37		mg/L		95	90 - 110
Sulfate	50.0	48.4		mg/L		97	90 - 110

Lab Sample ID: MB 180-312640/6
Matrix: Water
Analysis Batch: 312640

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 07:58	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 07:58	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 07:58	1

Lab Sample ID: LCS 180-312640/5
Matrix: Water
Analysis Batch: 312640

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.8		mg/L		102	90 - 110
Fluoride	2.50	2.67		mg/L		107	90 - 110
Sulfate	50.0	50.1		mg/L		100	90 - 110

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

Lab Sample ID: 180-104220-6 MS
Matrix: Water
Analysis Batch: 312640

Client Sample ID: GWC-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.7		25.0	35.0		mg/L		101	80 - 120
Fluoride	0.051	J	1.25	1.37		mg/L		106	80 - 120
Sulfate	4.1		25.0	29.0		mg/L		100	80 - 120

Lab Sample ID: 180-104220-6 MSD
Matrix: Water
Analysis Batch: 312640

Client Sample ID: GWC-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.7		25.0	35.2		mg/L		102	80 - 120	1	20
Fluoride	0.051	J	1.25	1.39		mg/L		107	80 - 120	1	20
Sulfate	4.1		25.0	29.6		mg/L		102	80 - 120	2	20

Lab Sample ID: MB 180-312641/36
Matrix: Water
Analysis Batch: 312641

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 15:50	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 15:50	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 15:50	1

Lab Sample ID: MB 180-312641/6
Matrix: Water
Analysis Batch: 312641

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			04/11/20 07:55	1
Fluoride	<0.026		0.10	0.026	mg/L			04/11/20 07:55	1
Sulfate	<0.38		1.0	0.38	mg/L			04/11/20 07:55	1

Lab Sample ID: LCS 180-312641/35
Matrix: Water
Analysis Batch: 312641

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.6		mg/L		101	90 - 110
Fluoride	2.50	2.47		mg/L		99	90 - 110
Sulfate	50.0	50.4		mg/L		101	90 - 110

Lab Sample ID: LCS 180-312641/5
Matrix: Water
Analysis Batch: 312641

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.7		mg/L		99	90 - 110
Fluoride	2.50	2.44		mg/L		98	90 - 110
Sulfate	50.0	49.5		mg/L		99	90 - 110

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

Lab Sample ID: MB 180-311870/1-A
Matrix: Water
Analysis Batch: 313332

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 311870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/02/20 10:00	04/18/20 14:59	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/02/20 10:00	04/18/20 14:59	1
Barium	<0.0016		0.010	0.0016	mg/L		04/02/20 10:00	04/18/20 14:59	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/02/20 10:00	04/18/20 14:59	1
Boron	<0.039	^	0.080	0.039	mg/L		04/02/20 10:00	04/18/20 14:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/02/20 10:00	04/18/20 14:59	1
Calcium	<0.13		0.50	0.13	mg/L		04/02/20 10:00	04/18/20 14:59	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/02/20 10:00	04/18/20 14:59	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/02/20 10:00	04/18/20 14:59	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/02/20 10:00	04/18/20 14:59	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/02/20 10:00	04/18/20 14:59	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/02/20 10:00	04/18/20 14:59	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/02/20 10:00	04/18/20 14:59	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/02/20 10:00	04/18/20 14:59	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/02/20 10:00	04/18/20 14:59	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/02/20 10:00	04/18/20 14:59	1
Zinc	0.00384	J	0.0050	0.0032	mg/L		04/02/20 10:00	04/18/20 14:59	1

Lab Sample ID: LCS 180-311870/2-A
Matrix: Water
Analysis Batch: 313332

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 311870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.254		mg/L		102	80 - 120
Arsenic	1.00	1.08		mg/L		108	80 - 120
Barium	1.00	1.04		mg/L		104	80 - 120
Beryllium	0.500	0.503		mg/L		101	80 - 120
Boron	1.25	1.29	^	mg/L		103	80 - 120
Cadmium	0.500	0.533		mg/L		107	80 - 120
Calcium	25.0	29.8		mg/L		119	80 - 120
Chromium	0.500	0.517		mg/L		103	80 - 120
Cobalt	0.500	0.522		mg/L		104	80 - 120
Copper	0.500	0.517		mg/L		103	80 - 120
Lead	0.500	0.529		mg/L		106	80 - 120
Nickel	0.500	0.519		mg/L		104	80 - 120
Selenium	1.00	1.08		mg/L		108	80 - 120
Silver	0.250	0.256		mg/L		102	80 - 120
Thallium	1.00	1.13		mg/L		113	80 - 120
Vanadium	0.500	0.523		mg/L		105	80 - 120
Zinc	0.250	0.264		mg/L		105	80 - 120

Lab Sample ID: MB 180-311981/1-A
Matrix: Water
Analysis Batch: 313332

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 311981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:17	04/18/20 13:49	1
Arsenic	<0.00031	^	0.0010	0.00031	mg/L		04/03/20 09:17	04/18/20 13:49	1
Barium	<0.0016		0.010	0.0016	mg/L		04/03/20 09:17	04/18/20 13:49	1

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

Lab Sample ID: MB 180-311981/1-A
Matrix: Water
Analysis Batch: 313332

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 311981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:17	04/18/20 13:49	1
Boron	<0.039		0.080	0.039	mg/L		04/03/20 09:17	04/18/20 13:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:17	04/18/20 13:49	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/20 09:17	04/18/20 13:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/20 09:17	04/18/20 13:49	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/03/20 09:17	04/18/20 13:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:17	04/18/20 13:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:17	04/18/20 13:49	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/03/20 09:17	04/18/20 13:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:17	04/18/20 13:49	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:17	04/18/20 13:49	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:17	04/18/20 13:49	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:17	04/18/20 13:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:17	04/18/20 13:49	1

Lab Sample ID: LCS 180-311981/2-A
Matrix: Water
Analysis Batch: 313332

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 311981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.242		mg/L		97	80 - 120
Arsenic	1.00	1.07		mg/L		107	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.501		mg/L		100	80 - 120
Boron	1.25	1.30		mg/L		104	80 - 120
Cadmium	0.500	0.517		mg/L		103	80 - 120
Calcium	25.0	29.8		mg/L		119	80 - 120
Chromium	0.500	0.504		mg/L		101	80 - 120
Cobalt	0.500	0.514		mg/L		103	80 - 120
Copper	0.500	0.506		mg/L		101	80 - 120
Lead	0.500	0.514		mg/L		103	80 - 120
Nickel	0.500	0.509		mg/L		102	80 - 120
Selenium	1.00	1.05		mg/L		105	80 - 120
Silver	0.250	0.251		mg/L		101	80 - 120
Thallium	1.00	1.09		mg/L		109	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.250	0.260		mg/L		104	80 - 120

Lab Sample ID: 180-104220-1 MS
Matrix: Water
Analysis Batch: 313332

Client Sample ID: GWC-12
Prep Type: Total Recoverable
Prep Batch: 311981

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.240		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	1.05		mg/L		105	75 - 125
Barium	0.0097	J	1.00	1.02		mg/L		101	75 - 125
Beryllium	<0.00018		0.500	0.493		mg/L		99	75 - 125
Boron	<0.039		1.25	1.28		mg/L		103	75 - 125
Cadmium	<0.00022		0.500	0.512		mg/L		102	75 - 125

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

Lab Sample ID: 180-104220-1 MS
Matrix: Water
Analysis Batch: 313332

Client Sample ID: GWC-12
Prep Type: Total Recoverable
Prep Batch: 311981

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	0.70		25.0	29.9		mg/L		117	75 - 125
Chromium	0.0019	J	0.500	0.502		mg/L		100	75 - 125
Cobalt	0.00051	J	0.500	0.512		mg/L		102	75 - 125
Copper	<0.00063		0.500	0.506		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.515		mg/L		103	75 - 125
Nickel	0.00080	J	0.500	0.505		mg/L		101	75 - 125
Selenium	<0.0015		1.00	1.04		mg/L		104	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	<0.00015		1.00	1.11		mg/L		111	75 - 125
Vanadium	<0.00099		0.500	0.506		mg/L		101	75 - 125
Zinc	<0.0032		0.250	0.251		mg/L		100	75 - 125

Lab Sample ID: 180-104220-1 MSD
Matrix: Water
Analysis Batch: 313332

Client Sample ID: GWC-12
Prep Type: Total Recoverable
Prep Batch: 311981

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.242		mg/L		97	75 - 125	1	20
Arsenic	<0.00031		1.00	1.05		mg/L		105	75 - 125	0	20
Barium	0.0097	J	1.00	1.02		mg/L		101	75 - 125	1	20
Beryllium	<0.00018		0.500	0.497		mg/L		99	75 - 125	1	20
Boron	<0.039		1.25	1.32		mg/L		106	75 - 125	3	20
Cadmium	<0.00022		0.500	0.518		mg/L		104	75 - 125	1	20
Calcium	0.70		25.0	29.5		mg/L		115	75 - 125	1	20
Chromium	0.0019	J	0.500	0.495		mg/L		99	75 - 125	1	20
Cobalt	0.00051	J	0.500	0.510		mg/L		102	75 - 125	0	20
Copper	<0.00063		0.500	0.502		mg/L		100	75 - 125	1	20
Lead	<0.00013		0.500	0.517		mg/L		103	75 - 125	0	20
Nickel	0.00080	J	0.500	0.505		mg/L		101	75 - 125	0	20
Selenium	<0.0015		1.00	1.05		mg/L		105	75 - 125	1	20
Silver	<0.00018		0.250	0.249		mg/L		100	75 - 125	0	20
Thallium	<0.00015		1.00	1.10		mg/L		110	75 - 125	0	20
Vanadium	<0.00099		0.500	0.499		mg/L		100	75 - 125	1	20
Zinc	<0.0032		0.250	0.253		mg/L		101	75 - 125	1	20

Lab Sample ID: MB 180-311982/1-A
Matrix: Water
Analysis Batch: 313332

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 311982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/03/20 09:19	04/18/20 16:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/03/20 09:19	04/18/20 16:43	1
Barium	<0.0016		0.010	0.0016	mg/L		04/03/20 09:19	04/18/20 16:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/03/20 09:19	04/18/20 16:43	1
Boron	<0.039	^	0.080	0.039	mg/L		04/03/20 09:19	04/18/20 16:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/03/20 09:19	04/18/20 16:43	1
Calcium	<0.13		0.50	0.13	mg/L		04/03/20 09:19	04/18/20 16:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/03/20 09:19	04/18/20 16:43	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/03/20 09:19	04/18/20 16:43	1

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

Lab Sample ID: MB 180-311982/1-A
Matrix: Water
Analysis Batch: 313332

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 311982

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	<0.00063		0.0020	0.00063	mg/L		04/03/20 09:19	04/18/20 16:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		04/03/20 09:19	04/18/20 16:43	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/03/20 09:19	04/18/20 16:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/03/20 09:19	04/18/20 16:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/03/20 09:19	04/18/20 16:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/03/20 09:19	04/18/20 16:43	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/03/20 09:19	04/18/20 16:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		04/03/20 09:19	04/18/20 16:43	1

Lab Sample ID: LCS 180-311982/2-A
Matrix: Water
Analysis Batch: 313332

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 311982

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.240		mg/L		96	80 - 120
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.503		mg/L		101	80 - 120
Boron	1.25	1.28		mg/L		103	80 - 120
Cadmium	0.500	0.516		mg/L		103	80 - 120
Calcium	25.0	28.8		mg/L		115	80 - 120
Chromium	0.500	0.499		mg/L		100	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Copper	0.500	0.502		mg/L		100	80 - 120
Lead	0.500	0.515		mg/L		103	80 - 120
Nickel	0.500	0.502		mg/L		100	80 - 120
Selenium	1.00	1.04		mg/L		104	80 - 120
Silver	0.250	0.247		mg/L		99	80 - 120
Thallium	1.00	1.09		mg/L		109	80 - 120
Vanadium	0.500	0.504		mg/L		101	80 - 120
Zinc	0.250	0.249		mg/L		100	80 - 120

Lab Sample ID: 180-104220-9 MS
Matrix: Water
Analysis Batch: 313332

Client Sample ID: GWA-14
Prep Type: Total Recoverable
Prep Batch: 311982

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.240		mg/L		96	75 - 125
Arsenic	<0.00031		1.00	1.05		mg/L		105	75 - 125
Barium	0.013		1.00	1.04		mg/L		102	75 - 125
Beryllium	<0.00018		0.500	0.491		mg/L		98	75 - 125
Boron	<0.039		1.25	1.27		mg/L		102	75 - 125
Cadmium	<0.00022		0.500	0.518		mg/L		104	75 - 125
Calcium	0.49	J	25.0	30.1		mg/L		118	75 - 125
Chromium	<0.0015		0.500	0.507		mg/L		101	75 - 125
Cobalt	0.00033	J	0.500	0.512		mg/L		102	75 - 125
Copper	<0.00063		0.500	0.504		mg/L		101	75 - 125
Lead	<0.00013		0.500	0.520		mg/L		104	75 - 125
Nickel	0.00043	J	0.500	0.504		mg/L		101	75 - 125

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

Lab Sample ID: 180-104220-9 MS
Matrix: Water
Analysis Batch: 313332

Client Sample ID: GWA-14
Prep Type: Total Recoverable
Prep Batch: 311982

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	<0.0015		1.00	1.06		mg/L		106	75 - 125
Silver	<0.00018		0.250	0.248		mg/L		99	75 - 125
Thallium	0.00018	J	1.00	1.11		mg/L		111	75 - 125
Vanadium	<0.00099		0.500	0.511		mg/L		102	75 - 125
Zinc	<0.0032		0.250	0.252		mg/L		101	75 - 125

Lab Sample ID: 180-104220-9 MSD
Matrix: Water
Analysis Batch: 313332

Client Sample ID: GWA-14
Prep Type: Total Recoverable
Prep Batch: 311982

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.244		mg/L		98	75 - 125	1	20
Arsenic	<0.00031		1.00	1.06		mg/L		106	75 - 125	0	20
Barium	0.013		1.00	1.04		mg/L		102	75 - 125	0	20
Beryllium	<0.00018		0.500	0.492		mg/L		98	75 - 125	0	20
Boron	<0.039		1.25	1.29		mg/L		103	75 - 125	1	20
Cadmium	<0.00022		0.500	0.521		mg/L		104	75 - 125	0	20
Calcium	0.49	J	25.0	29.5		mg/L		116	75 - 125	2	20
Chromium	<0.0015		0.500	0.502		mg/L		100	75 - 125	1	20
Cobalt	0.00033	J	0.500	0.514		mg/L		103	75 - 125	0	20
Copper	<0.00063		0.500	0.504		mg/L		101	75 - 125	0	20
Lead	<0.00013		0.500	0.515		mg/L		103	75 - 125	1	20
Nickel	0.00043	J	0.500	0.507		mg/L		101	75 - 125	1	20
Selenium	<0.0015		1.00	1.06		mg/L		106	75 - 125	1	20
Silver	<0.00018		0.250	0.251		mg/L		100	75 - 125	1	20
Thallium	0.00018	J	1.00	1.11		mg/L		111	75 - 125	0	20
Vanadium	<0.00099		0.500	0.507		mg/L		101	75 - 125	1	20
Zinc	<0.0032		0.250	0.254		mg/L		102	75 - 125	1	20

Lab Sample ID: MB 180-312341/1-A
Matrix: Water
Analysis Batch: 313470

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 312341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		04/08/20 08:32	04/21/20 13:21	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		04/08/20 08:32	04/21/20 13:21	1
Barium	<0.0016		0.010	0.0016	mg/L		04/08/20 08:32	04/21/20 13:21	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		04/08/20 08:32	04/21/20 13:21	1
Boron	<0.039		0.080	0.039	mg/L		04/08/20 08:32	04/21/20 13:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		04/08/20 08:32	04/21/20 13:21	1
Calcium	<0.13		0.50	0.13	mg/L		04/08/20 08:32	04/21/20 13:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		04/08/20 08:32	04/21/20 13:21	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		04/08/20 08:32	04/21/20 13:21	1
Copper	0.00146	J	0.0020	0.00063	mg/L		04/08/20 08:32	04/21/20 13:21	1
Lead	0.000241	J	0.0010	0.00013	mg/L		04/08/20 08:32	04/21/20 13:21	1
Nickel	<0.00034		0.0010	0.00034	mg/L		04/08/20 08:32	04/21/20 13:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		04/08/20 08:32	04/21/20 13:21	1
Silver	<0.00018		0.0010	0.00018	mg/L		04/08/20 08:32	04/21/20 13:21	1
Thallium	<0.00015		0.0010	0.00015	mg/L		04/08/20 08:32	04/21/20 13:21	1

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

Lab Sample ID: MB 180-312341/1-A
Matrix: Water
Analysis Batch: 313470

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 312341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0032		0.0050	0.0032	mg/L		04/08/20 08:32	04/21/20 13:21	1

Lab Sample ID: MB 180-312341/1-A
Matrix: Water
Analysis Batch: 313652

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 312341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	<0.00099		0.0010	0.00099	mg/L		04/08/20 08:32	04/22/20 13:35	1

Lab Sample ID: LCS 180-312341/2-A
Matrix: Water
Analysis Batch: 313470

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 312341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.231		mg/L		93	80 - 120
Arsenic	1.00	0.922		mg/L		92	80 - 120
Barium	1.00	0.956		mg/L		96	80 - 120
Beryllium	0.500	0.460		mg/L		92	80 - 120
Boron	1.25	1.29		mg/L		103	80 - 120
Cadmium	0.500	0.486		mg/L		97	80 - 120
Calcium	25.0	26.3		mg/L		105	80 - 120
Chromium	0.500	0.457		mg/L		91	80 - 120
Cobalt	0.500	0.462		mg/L		92	80 - 120
Copper	0.500	0.461		mg/L		92	80 - 120
Lead	0.500	0.484		mg/L		97	80 - 120
Nickel	0.500	0.458		mg/L		92	80 - 120
Selenium	1.00	0.956		mg/L		96	80 - 120
Silver	0.250	0.250		mg/L		100	80 - 120
Thallium	1.00	0.983		mg/L		98	80 - 120
Zinc	0.250	0.235		mg/L		94	80 - 120

Lab Sample ID: LCS 180-312341/2-A
Matrix: Water
Analysis Batch: 313652

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 312341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vanadium	0.500	0.481		mg/L		96	80 - 120

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

Lab Sample ID: MB 180-311873/2
Matrix: Water
Analysis Batch: 311873

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/02/20 08:04	1

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

Lab Sample ID: LCS 180-311873/1
Matrix: Water
Analysis Batch: 311873

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	242	250		mg/L		103	80 - 120

Lab Sample ID: MB 180-311964/2
Matrix: Water
Analysis Batch: 311964

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/03/20 08:19	1

Lab Sample ID: LCS 180-311964/1
Matrix: Water
Analysis Batch: 311964

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	242	202		mg/L		83	80 - 120

Lab Sample ID: MB 180-311965/2
Matrix: Water
Analysis Batch: 311965

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/03/20 08:24	1

Lab Sample ID: LCS 180-311965/1
Matrix: Water
Analysis Batch: 311965

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	242	236		mg/L		98	80 - 120

Lab Sample ID: MB 180-312057/2
Matrix: Water
Analysis Batch: 312057

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/04/20 08:38	1

Lab Sample ID: LCS 180-312057/1
Matrix: Water
Analysis Batch: 312057

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	242	246		mg/L		102	80 - 120

Lab Sample ID: MB 180-312209/2
Matrix: Water
Analysis Batch: 312209

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			04/07/20 06:54	1

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

Job ID: 180-104180-1

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

Lab Sample ID: LCS 180-312209/1
Matrix: Water
Analysis Batch: 312209

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	242	240		mg/L		99	80 - 120

HPLC/IC

Analysis Batch: 312544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104180-1	GWC-4A	Total/NA	Water	EPA 300.0 R2.1	
180-104180-2	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-104180-3	GWA-13	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312544/48	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312544/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312544/47	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312544/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 312640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104220-6	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-104220-7	GWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-104220-8	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-104220-9	GWA-14	Total/NA	Water	EPA 300.0 R2.1	
180-104220-10	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-104220-11	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-104220-12	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-104220-13	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-104220-14	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-104220-15	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-104220-16	LF4-DUP-01	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312640/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312640/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-104220-6 MS	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-104220-6 MSD	GWC-9	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 312641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104220-1	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-104220-2	GWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-104220-3	GWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-104220-4	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-104220-5	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-104275-1	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-104275-2	LF4-DUP-02	Total/NA	Water	EPA 300.0 R2.1	
180-104275-3	LF4-FB-01	Total/NA	Water	EPA 300.0 R2.1	
180-104275-4	LF4-FB-02	Total/NA	Water	EPA 300.0 R2.1	
180-104275-5	LF4-FERB-01	Total/NA	Water	EPA 300.0 R2.1	
180-104275-6	LF4-FERB-02	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312641/36	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-312641/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312641/35	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-312641/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 311870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104180-1	GWC-4A	Total Recoverable	Water	3005A	
180-104180-2	GWC-5	Total Recoverable	Water	3005A	
180-104180-3	GWA-13	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 311870 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-311870/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311870/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 311981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104220-1	GWC-12	Total Recoverable	Water	3005A	
180-104220-2	GWA-2	Total Recoverable	Water	3005A	
180-104220-3	GWA-3	Total Recoverable	Water	3005A	
180-104220-4	GWC-1	Total Recoverable	Water	3005A	
180-104220-5	GWA-16	Total Recoverable	Water	3005A	
180-104220-6	GWC-9	Total Recoverable	Water	3005A	
180-104220-7	GWC-21	Total Recoverable	Water	3005A	
180-104220-8	GWC-19	Total Recoverable	Water	3005A	
MB 180-311981/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311981/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-104220-1 MS	GWC-12	Total Recoverable	Water	3005A	
180-104220-1 MSD	GWC-12	Total Recoverable	Water	3005A	

Prep Batch: 311982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104220-9	GWA-14	Total Recoverable	Water	3005A	
180-104220-10	GWC-10	Total Recoverable	Water	3005A	
180-104220-11	GWC-20	Total Recoverable	Water	3005A	
180-104220-12	GWC-15	Total Recoverable	Water	3005A	
180-104220-13	GWC-17	Total Recoverable	Water	3005A	
180-104220-14	GWC-18	Total Recoverable	Water	3005A	
180-104220-15	GWC-23	Total Recoverable	Water	3005A	
180-104220-16	LF4-DUP-01	Total Recoverable	Water	3005A	
MB 180-311982/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-311982/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-104220-9 MS	GWA-14	Total Recoverable	Water	3005A	
180-104220-9 MSD	GWA-14	Total Recoverable	Water	3005A	

Prep Batch: 312341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104275-1	GWC-11	Total Recoverable	Water	3005A	
180-104275-2	LF4-DUP-02	Total Recoverable	Water	3005A	
180-104275-3	LF4-FB-01	Total Recoverable	Water	3005A	
180-104275-4	LF4-FB-02	Total Recoverable	Water	3005A	
180-104275-5	LF4-FERB-01	Total Recoverable	Water	3005A	
180-104275-6	LF4-FERB-02	Total Recoverable	Water	3005A	
MB 180-312341/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-312341/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 313332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104180-1	GWC-4A	Total Recoverable	Water	EPA 6020B	311870
180-104180-2	GWC-5	Total Recoverable	Water	EPA 6020B	311870
180-104180-3	GWA-13	Total Recoverable	Water	EPA 6020B	311870
180-104220-1	GWC-12	Total Recoverable	Water	EPA 6020B	311981
180-104220-2	GWA-2	Total Recoverable	Water	EPA 6020B	311981

Metals (Continued)

Analysis Batch: 313332 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104220-3	GWA-3	Total Recoverable	Water	EPA 6020B	311981
180-104220-4	GWC-1	Total Recoverable	Water	EPA 6020B	311981
180-104220-5	GWA-16	Total Recoverable	Water	EPA 6020B	311981
180-104220-6	GWC-9	Total Recoverable	Water	EPA 6020B	311981
180-104220-7	GWC-21	Total Recoverable	Water	EPA 6020B	311981
180-104220-8	GWC-19	Total Recoverable	Water	EPA 6020B	311981
180-104220-9	GWA-14	Total Recoverable	Water	EPA 6020B	311982
180-104220-10	GWC-10	Total Recoverable	Water	EPA 6020B	311982
180-104220-11	GWC-20	Total Recoverable	Water	EPA 6020B	311982
180-104220-12	GWC-15	Total Recoverable	Water	EPA 6020B	311982
180-104220-13	GWC-17	Total Recoverable	Water	EPA 6020B	311982
180-104220-14	GWC-18	Total Recoverable	Water	EPA 6020B	311982
180-104220-15	GWC-23	Total Recoverable	Water	EPA 6020B	311982
180-104220-16	LF4-DUP-01	Total Recoverable	Water	EPA 6020B	311982
MB 180-311870/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311870
MB 180-311981/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311981
MB 180-311982/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	311982
LCS 180-311870/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311870
LCS 180-311981/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311981
LCS 180-311982/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	311982
180-104220-1 MS	GWC-12	Total Recoverable	Water	EPA 6020B	311981
180-104220-1 MSD	GWC-12	Total Recoverable	Water	EPA 6020B	311981
180-104220-9 MS	GWA-14	Total Recoverable	Water	EPA 6020B	311982
180-104220-9 MSD	GWA-14	Total Recoverable	Water	EPA 6020B	311982

Analysis Batch: 313470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104275-1	GWC-11	Total Recoverable	Water	EPA 6020B	312341
180-104275-2	LF4-DUP-02	Total Recoverable	Water	EPA 6020B	312341
180-104275-3	LF4-FB-01	Total Recoverable	Water	EPA 6020B	312341
180-104275-4	LF4-FB-02	Total Recoverable	Water	EPA 6020B	312341
180-104275-5	LF4-FERB-01	Total Recoverable	Water	EPA 6020B	312341
180-104275-6	LF4-FERB-02	Total Recoverable	Water	EPA 6020B	312341
MB 180-312341/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	312341
LCS 180-312341/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	312341

Analysis Batch: 313490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104220-6	GWC-9	Total Recoverable	Water	EPA 6020B	311981
180-104220-7	GWC-21	Total Recoverable	Water	EPA 6020B	311981
180-104220-8	GWC-19	Total Recoverable	Water	EPA 6020B	311981

Analysis Batch: 313652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104275-1	GWC-11	Total Recoverable	Water	EPA 6020B	312341
180-104275-2	LF4-DUP-02	Total Recoverable	Water	EPA 6020B	312341
180-104275-3	LF4-FB-01	Total Recoverable	Water	EPA 6020B	312341
180-104275-4	LF4-FB-02	Total Recoverable	Water	EPA 6020B	312341
180-104275-5	LF4-FERB-01	Total Recoverable	Water	EPA 6020B	312341
180-104275-6	LF4-FERB-02	Total Recoverable	Water	EPA 6020B	312341
MB 180-312341/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	312341

Metals (Continued)

Analysis Batch: 313652 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-312341/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	312341

General Chemistry

Analysis Batch: 311873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104180-1	GWC-4A	Total/NA	Water	SM 2540C	
180-104180-2	GWC-5	Total/NA	Water	SM 2540C	
180-104180-3	GWA-13	Total/NA	Water	SM 2540C	
MB 180-311873/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311873/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 311964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104220-1	GWC-12	Total/NA	Water	SM 2540C	
180-104220-2	GWA-2	Total/NA	Water	SM 2540C	
180-104220-3	GWA-3	Total/NA	Water	SM 2540C	
180-104220-4	GWC-1	Total/NA	Water	SM 2540C	
180-104220-5	GWA-16	Total/NA	Water	SM 2540C	
180-104220-6	GWC-9	Total/NA	Water	SM 2540C	
180-104220-7	GWC-21	Total/NA	Water	SM 2540C	
180-104220-8	GWC-19	Total/NA	Water	SM 2540C	
180-104220-9	GWA-14	Total/NA	Water	SM 2540C	
180-104220-10	GWC-10	Total/NA	Water	SM 2540C	
180-104220-11	GWC-20	Total/NA	Water	SM 2540C	
180-104220-12	GWC-15	Total/NA	Water	SM 2540C	
MB 180-311964/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311964/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 311965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104220-13	GWC-17	Total/NA	Water	SM 2540C	
180-104220-14	GWC-18	Total/NA	Water	SM 2540C	
180-104220-15	GWC-23	Total/NA	Water	SM 2540C	
180-104220-16	LF4-DUP-01	Total/NA	Water	SM 2540C	
MB 180-311965/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-311965/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 312057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104275-1	GWC-11	Total/NA	Water	SM 2540C	
180-104275-3	LF4-FB-01	Total/NA	Water	SM 2540C	
180-104275-4	LF4-FB-02	Total/NA	Water	SM 2540C	
180-104275-5	LF4-FERB-01	Total/NA	Water	SM 2540C	
180-104275-6	LF4-FERB-02	Total/NA	Water	SM 2540C	
MB 180-312057/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-312057/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 312209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-104275-2	LF4-DUP-02	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 312209 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-312209/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-312209/1	Lab Control Sample	Total/NA	Water	SM 2540C	

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

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: L. Coker	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No: 180-59051-10411.2
Client Contact: ~~Peter Adams~~ Lauren Petty	Phone: 4045920094	E-Mail: veronica.bortot@testamericainc.com		Page: Page 1 of 1
Company: ~~GEI Consultants, Inc~~ SCS				Job #:
Address: ~~1876 Peachtree Street NE Suite 615~~ 3535 Colonnade PKWY	Due Date Requested:	Analysis Requested		Preservation Codes:
City: ~~Atlanta~~ Birmingham	TAT Requested (days): Standard			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)
State, Zip: ~~GA 30369~~ AL, 35243				
Phone: 205-992-5417(Tel)	PO #: SCS10382606			Other:
Email: ~~padams@gei-consultants.com~~	WO #:			
Project Name: CCR - Plant McIntosh Ash Landfill #4	Project #: 18019955 | 18019450			
Site: Georgia	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd, 300_ORGFM_28D	6020B - State Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
GWC-4A	3/31/20	1325	G	Water	N	N	X	X		
GWC-5	3/31/20	1430	G	Water	N	N	X	X		
GWA-13	3/31/20	1530	G	Water	N	N	X	X		
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

180-104180 Chain of Custody

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/31/20 1730	GEI		4/1/20 800	EDM Air
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information	Sampler: L Coker, DM, M	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No: 180-59051-10411.3
Client Contact: ~~Peter Adams~~ Lauren Petty	Phone: 4045920094	E-Mail: veronica.bortot@testamericainc.com		Page: Page 1 of 2
Company: ~~GEI Consultants, Inc~~ SCS				Job #:
Address: ~~1975 Peachtree Street NE, Suite 275~~ 3535 Colonnade PKWY	Due Date Requested:	Analysis Requested		Preservation Codes:
City: ~~Atlanta~~ Birmingham	TAT Requested (days): Standard			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: ~~GA, 30309~~ AL, 35243	PO #: SCS10382606 / SCS10382610016			
Phone: 205-992-5417(Tel)	WO #:			Other:
Email: ~~padams@gei.consultants.com~~	Project #: 18019955			
Project Name: CCR - Plant McIntosh Ash Landfill #4	SSOW#:			
Site: Georgia				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540C_Calcd, 300_ORGFM_28D	6020B - State Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
GWC-12	4/1/20	1740	G	Water	N	N	X	X	2	
GWA-2	4/1/20	1440	G	Water						
GWA-3	4/1/20	1310	G	Water						
GWC-1	4/1/20	1610	G	Water						
GWA-16	4/1/20	1120	G	Water						
GWC-9	4/1/20	1645	G	W						
GWC-21	4/1/20	1505	G	W						
GWC-19	4/1/20	1335	G	W						
GWA-14	4/1/20	0940	G	W						
GWC-10	4/1/20	1750	G	W						
GWC-20	4/1/20	1350	G	W						

180-104220 Chain of Custody

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4/1/20 2000	GEI	[signature]	4/2/20 830	GMAir
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

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

Chain of Custody Record

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: LC, DM, MA	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No: 180-49288-10409.2
Client Contact: ~~Peter Adams~~ Lauren Petty	Phone: 4045920094	E-Mail: veronica.bortot@testamericainc.com		Page: Page 2 of 2
Company: GEI Consultants, Inc. SCS				Job #:

Address: ~~1375 Peachtree Street NE Suite A15~~ 3535 Colonnade PKWY	Due Date Requested:	Analysis Requested
City: ~~Atlanta~~ Birmingham	TAT Requested (days): Standard	
State, Zip: ~~GA, 30309~~ AL, 35243	PO #: SCS10347656 / SCS10382606	
Phone: 205-992-5417(Tel)	WO #:	
Email: ~~padams@geiconsultants.com~~	Project #: 18019950	
Project Name: CCR - Plant McIntosh ~~Ash Landfill #3~~ Landfill4	SSOW#:	
Site: Georgia		

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:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Metals	2540C_Calcd, 300_ORGFM_28D	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N		
GWC-15	4/1/20	1000	G	Water	N	N	X	X	2	
GWC-17	4/1/20	1100	G	Water	N	N	X	X		
GWC-18	4/1/20	1210	G	Water	N	N	X	X		
GWC-23	4/1/20	1540	G	Water	N	N	X	X		
LF4-DUP-01	4/1/20	—	G	Water	N	N	X	X		
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	4/1/20 2000	GEI		4/2/20 830	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 08/04/2016

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

Chain of Custody Record

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: L. Coker	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No: 180-49288-10409.1
Client Contact: Lauren Petty	Phone: 9045920094	E-Mail: veronica.bortot@testamericainc.com		Page: Page 1 of 1
Company: ~~GEI Consultants Inc~~ SCS				Job #:
Address: ~~1275 Peachtree Street NE, Suite A15~~ 3535 Colonnade Pkwy	Due Date Requested:			
City: ~~Atlanta~~	TAT Requested (days): Standard			
State, Zip: ~~GA, 30309~~				
Phone: 205-992-5417(Tel)	PO #: SCS10347656			
Email: ~~padams@geiconsultants.com~~ lmpett@southernco.com	WO #:			
Project Name: CCR - Plant McIntosh Ash Landfill 4	Project #: 18019950			
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:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020 - 6020 Metals	2540C_Calcd; 300_ORGFM_28D	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N		
GWC-11	4/2/20	1110	G	Water	N	N	X	X	2	
LF4-DUP-02	4/2/20	—	G	Water	N	N	X	X	2	
LF4-FB-01	4/2/20	1220	G	Water	N	N	X	X	2	
LF4-FB-02	4/2/20	1225	G	Water	N	N	X	X	2	
LF4-FERB-01	4/2/20	1230	G	Water	N	N	X	X	2	
LF4-FERB-02	4/2/20	1235	G	Water	N	N	X	X	2	
				Water						
				Water						
				Water						
				Water						
				Water						

180-104275 Chain of Custody

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/2/20 1600	GEI		4/3/20 830	EMSI
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-104180-1

Login Number: 104180
List Number: 1
Creator: Say, Thomas C

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-104180-1

Login Number: 104220
List Number: 1
Creator: Say, Thomas C

List Source: Eurofins TestAmerica, Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-104180-1

Login Number: 104275
List Number: 1
Creator: Say, Thomas C

List Source: Eurofins TestAmerica, Pittsburgh

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

LEVEL 2A LABORATORY DATA VALIDATIONS

McIntosh Existing Landfill No. 4

1st Semiannual Event

March-April 2020

Georgia Power Company – McIntosh Landfill 4

Quality Control Review of Analytical Data – March-April 2020

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Pittsburgh for groundwater samples collected at McIntosh LF4 between March 31, 2020 and April 2, 2020. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix. SDG 180-104180 was revised by the laboratory to correct the target metals list.

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

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[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 (COCs) were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were met, with the exceptions of Zinc on GWC-23 (180-104220-15) and Boron, Nickel, and Lead on GWC-11 (180-104275-1) 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

U: The analyte was not detected above the method detection limit

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. The applied qualifications may not have been required for all samples collected at the site. A summary of sample qualifications can be found in Table 2 of this Appendix.

- Samples GWC-23 (180-104220-15) and LF4-DUP-01 (180-104220-16) were qualified as estimated (J) for Zinc as the field relative percent difference (RPD) exceeded QC criteria (35.00% above the limit of 25).

- Samples GWC-11 (180-104275-1) and LF4-DUP-02 (180-104275-2) were qualified as estimated (J) for Boron, Nickel, and Lead as the field RPDs exceeded QC criteria (49.06%, 44.90%, and 32.56%, respectively above limit of 25).

- Certain Copper, Lead, and/or Zinc results in SDG 180-104180 were qualified as non-detect (U) due to the analyte(s) being detected at a similar concentration in an associated blank sample. As shown in Table 2, when the original sample result was below the RL, the method detection limit (MDL) was raised to the sample result as part of the qualification process. As shown in Table 2, when the original sample result was above the reporting limit (RL), both the RL and MDL were raised to the sample result as part of the qualification process.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from McIntosh LF4 sampled between March 31, 2020 and April 2, 2020 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

[1]USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy, Revision 2.0

[2]USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0

TABLE 1

Georgia Power Company – McIntosh LF4

Sample Summary Table – March-April 2020

						Analyses		
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B)	Anions (300.0)	TDS (SM 2540C)
104180	GWC-4A	3/31/2020	180-104180-1	GW		X	X	X
104180	GWC-5	3/31/2020	180-104180-2	GW		X	X	X
104180	GWA-13	3/31/2020	180-104180-3	GW		X	X	X
104180	GWC-12	4/1/2020	180-104220-1	GW		X	X	X
104180	GWA-2	4/1/2020	180-104220-2	GW		X	X	X
104180	GWA-3	4/1/2020	180-104220-3	GW		X	X	X
104180	GWC-1	4/1/2020	180-104220-4	GW		X	X	X
104180	GWA-16	4/1/2020	180-104220-5	GW		X	X	X
104180	GWC-9	4/1/2020	180-104220-6	GW		X	X	X
104180	GWC-21	4/1/2020	180-104220-7	GW		X	X	X
104180	GWC-19	4/1/2020	180-104220-8	GW		X	X	X
104180	GWA-14	4/1/2020	180-104220-9	GW		X	X	X
104180	GWC-10	4/1/2020	180-104220-10	GW		X	X	X
104180	GWC-20	4/1/2020	180-104220-11	GW		X	X	X
104180	GWC-15	4/1/2020	180-104220-12	GW		X	X	X
104180	GWC-17	4/1/2020	180-104220-13	GW		X	X	X
104180	GWC-18	4/1/2020	180-104220-14	GW		X	X	X
104180	GWC-23	4/1/2020	180-104220-15	GW		X	X	X
104180	LF4-DUP-01	4/1/2020	180-104220-16	GW	FD (GWC-23)	X	X	X
104180	GWC-11	4/2/2020	180-104275-1	GW		X	X	X
104180	LF4-DUP-02	4/2/2020	180-104275-2	GW	FD (GWC-11)	X	X	X
104180	LF4-FB-01	4/2/2020	180-104275-3	WQ	FB	X	X	X
104180	LF4-FB-02	4/2/2020	180-104275-4	WQ	FB	X	X	X
104180	LF4-FERB-01	4/2/2020	180-104275-5	WQ	EB	X	X	X
104180	LF4-FERB-02	4/2/2020	180-104275-6	WQ	EB	X	X	X

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

TABLE 2

Georgia Power Company – McIntosh LF4

Qualifier Summary Table – March-April 2020

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
104180	GWC-23	Zinc			J	RPD exceeds field goal
104180	LF4-DUP-01	Zinc			J	RPD exceeds field goal
104180	GWC-11	Boron			J	RPD exceeds field goal
104180	LF4-DUP-02	Boron			J	RPD exceeds field goal
104180	GWC-11	Nickel			J	RPD exceeds field goal
104180	LF4-DUP-02	Nickel			J	RPD exceeds field goal
104180	GWC-11	Lead			J	RPD exceeds field goal
104180	LF4-DUP-02	Lead			J	RPD exceeds field goal
104180	GWC-4A	Zinc	0.013	0.013	U	Blank detection
104180	GWC-11	Copper		0.0013	U	Blank detection
104180	GWC-11	Lead		0.00025	U	Blank detection

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

Qualifiers:
J – Estimated Result
U – Non-Detect Result

Low-Flow Test Report:

Test Date / Time: 4/1/2020 3:33:55 PM
Project: Plant McIntosh (14)
Operator Name: Daniel McCartha

Location Name: GWC-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.5 ft** **Total Depth: 28.5 ft**	**Pump Type: Alexis Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 23.5 ft** **Estimated Total Volume Pumped: 3.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.15 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 10 %	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3
4/1/2020 3:33 PM	00:00	5.00 pH	19.19 °C	50.36 µS/cm	2.84 mg/L	1.23 NTU	75.7 mV	14.60 ft
4/1/2020 3:38 PM	05:00	5.03 pH	19.64 °C	51.14 µS/cm	2.79 mg/L	1.12 NTU	74.9 mV	14.61 ft
4/1/2020 3:43 PM	10:00	5.01 pH	20.04 °C	50.77 µS/cm	2.74 mg/L	1.00 NTU	73.1 mV	14.62 ft
4/1/2020 3:48 PM	15:00	5.01 pH	19.94 °C	51.00 µS/cm	2.72 mg/L	1.36 NTU	106.7 mV	14.62 ft
4/1/2020 3:53 PM	20:00	4.99 pH	19.75 °C	50.75 µS/cm	2.69 mg/L	1.01 NTU	105.9 mV	14.62 ft
4/1/2020 3:58 PM	25:00	4.98 pH	19.30 °C	50.76 µS/cm	2.66 mg/L	1.38 NTU	106.0 mV	14.62 ft
4/1/2020 4:03 PM	30:00	5.00 pH	19.15 °C	50.53 µS/cm	2.65 mg/L	1.38 NTU	70.6 mV	14.62 ft

Samples

Sample ID:	Description:
GWC-1	Landfill 4. Sample time 1610

Low-Flow Test Report:

Test Date / Time: 4/1/2020 1:56:11 PM
Project: Plant McIntosh
Operator Name: Daniel McCartha

Location Name: GWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 18.5 ft** **Total Depth: 28.5 ft** **Initial Depth to Water: 15.94**	**Pump Type: Alexis Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 33.5 ft** **Estimated Total Volume Pumped: 3.9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 108 ml/min** **Final Draw Down: 0.07 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 10 %	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3
4/1/2020 1:56 PM	00:00	4.78 pH	20.13 °C	39.86 µS/cm	3.73 mg/L	0.29 NTU	86.7 mV	16.01 ft
4/1/2020 2:01 PM	05:00	4.77 pH	19.62 °C	40.63 µS/cm	3.72 mg/L	0.20 NTU	119.5 mV	16.01 ft
4/1/2020 2:06 PM	10:00	4.77 pH	19.57 °C	40.67 µS/cm	3.72 mg/L	0.27 NTU	117.5 mV	16.01 ft
4/1/2020 2:11 PM	15:00	4.75 pH	19.72 °C	40.32 µS/cm	3.67 mg/L	0.25 NTU	79.3 mV	16.01 ft
4/1/2020 2:17 PM	21:21	4.74 pH	20.04 °C	39.83 µS/cm	3.63 mg/L	0.18 NTU	95.1 mV	16.01 ft
4/1/2020 2:22 PM	26:21	4.75 pH	19.58 °C	40.46 µS/cm	3.60 mg/L	0.41 NTU	68.5 mV	16.01 ft
4/1/2020 2:27 PM	31:21	4.73 pH	19.54 °C	40.37 µS/cm	3.63 mg/L	0.17 NTU	77.2 mV	16.01 ft
4/1/2020 2:32 PM	36:21	4.77 pH	19.71 °C	40.20 µS/cm	3.69 mg/L	0.17 NTU	73.9 mV	16.01 ft

Samples

Sample ID:	Description:
GWA-2	Landfill 4. Sample time 1440

Low-Flow Test Report:

Test Date / Time: 4/1/2020 12:13:39 PM
Project: Plant McIntosh
Operator Name: Daniel McCartha

Location Name: GWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.5 ft** **Total Depth: 38.5 ft** **Initial Depth to Water: 18.95**	**Pump Type: Alexis Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 33.5 ft** **Estimated Total Volume Pumped: 5.1 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 3.4 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

Test Notes:
Slowed pumping rate to 100 mL/min at 1218 from a rate of 120mL/min to minimize drawdown

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 10 %	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3
4/1/2020 12:13 PM	00:00	4.93 pH	20.68 °C	29.23 µS/cm	6.26 mg/L	0.08 NTU	149.3 mV	19.70 ft
4/1/2020 12:18 PM	05:00	4.93 pH	20.77 °C	29.29 µS/cm	5.73 mg/L	0.19 NTU	91.6 mV	20.15 ft
4/1/2020 12:23 PM	10:00	4.93 pH	20.47 °C	29.24 µS/cm	5.71 mg/L	0.22 NTU	85.5 mV	20.65 ft
4/1/2020 12:28 PM	15:00	4.93 pH	21.26 °C	29.06 µS/cm	5.59 mg/L	0.16 NTU	125.4 mV	20.97 ft
4/1/2020 12:33 PM	20:00	4.92 pH	20.79 °C	28.95 µS/cm	5.57 mg/L	0.15 NTU	124.7 mV	21.33 ft
4/1/2020 12:38 PM	25:00	4.91 pH	20.38 °C	29.09 µS/cm	5.61 mg/L	0.23 NTU	124.4 mV	21.57 ft
4/1/2020 12:43 PM	30:00	4.88 pH	21.28 °C	28.97 µS/cm	5.52 mg/L	0.22 NTU	85.4 mV	21.80 ft
4/1/2020 12:48 PM	35:00	4.90 pH	20.99 °C	28.90 µS/cm	5.54 mg/L	0.14 NTU	84.0 mV	22.00 ft
4/1/2020 12:53 PM	40:00	4.90 pH	20.44 °C	28.95 µS/cm	5.55 mg/L	0.19 NTU	83.2 mV	22.13 ft
4/1/2020 12:58 PM	45:00	4.90 pH	20.71 °C	29.01 µS/cm	5.54 mg/L	0.25 NTU	83.8 mV	22.25 ft
4/1/2020 1:03 PM	50:00	4.92 pH	20.84 °C	28.97 µS/cm	5.49 mg/L	0.25 NTU	83.0 mV	20.35 ft

Samples

Sample ID:	Description:
GWA-3	Landfill-4. Sample time 1310

Low-Flow Test Report:

Test Date / Time: 3/31/2020 12:53:06 PM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-4A **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.6 ft** **Total Depth: 39 ft** **Initial Depth to Water: 23.14 ft**	**Pump Type: Alexis Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 5.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.52 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
3/31/2020 12:53 PM	00:00	5.16 pH	23.57 °C	53.90 µS/cm	5.83 mg/L	0.33 NTU	91.1 mV	23.14 ft	150.00 ml/min
3/31/2020 12:58 PM	05:00	5.09 pH	22.80 °C	49.06 µS/cm	4.26 mg/L	0.27 NTU	69.7 mV	23.60 ft	150.00 ml/min
3/31/2020 1:03 PM	10:00	5.08 pH	22.60 °C	48.60 µS/cm	4.04 mg/L	0.30 NTU	67.7 mV	23.65 ft	150.00 ml/min
3/31/2020 1:08 PM	15:00	5.08 pH	22.60 °C	49.24 µS/cm	3.99 mg/L	0.33 NTU	66.5 mV	23.65 ft	150.00 ml/min
3/31/2020 1:13 PM	20:00	5.06 pH	22.70 °C	48.28 µS/cm	3.95 mg/L	0.19 NTU	122.0 mV	23.65 ft	150.00 ml/min
3/31/2020 1:18 PM	25:00	5.05 pH	22.75 °C	48.00 µS/cm	3.90 mg/L	0.70 NTU	121.2 mV	23.65 ft	150.00 ml/min
3/31/2020 1:23 PM	30:00	5.06 pH	22.85 °C	47.58 µS/cm	3.84 mg/L	0.67 NTU	120.1 mV	23.66 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWC-4A	Sampled at 1325

Low-Flow Test Report:

Test Date / Time: 3/31/2020 1:56:01 PM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30 ft** **Total Depth: 40.9 ft** **Initial Depth to Water: 22.74 ft**	**Pump Type: Alexis peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 36 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: -21.993 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 5	
3/31/2020 1:56 PM	00:00	5.46 pH	24.26 °C	37.23 µS/cm	5.82 mg/L	0.88 NTU	104.8 mV	22.74 cm	150.00 ml/min
3/31/2020 2:01 PM	05:00	5.47 pH	22.72 °C	37.71 µS/cm	5.30 mg/L	0.88 NTU	66.2 mV	22.75 cm	150.00 ml/min
3/31/2020 2:06 PM	10:00	5.46 pH	22.48 °C	37.62 µS/cm	5.07 mg/L	1.01 NTU	63.1 mV	22.76 cm	150.00 ml/min
3/31/2020 2:11 PM	15:00	5.47 pH	22.32 °C	38.51 µS/cm	4.97 mg/L	0.96 NTU	61.4 mV	22.77 cm	150.00 ml/min
3/31/2020 2:16 PM	20:00	5.46 pH	22.30 °C	38.14 µS/cm	4.92 mg/L	0.81 NTU	60.3 mV	22.77 cm	150.00 ml/min
3/31/2020 2:21 PM	25:00	5.46 pH	22.26 °C	37.53 µS/cm	4.94 mg/L	0.78 NTU	60.0 mV	22.77 cm	150.00 ml/min
3/31/2020 2:26 PM	30:00	5.45 pH	22.17 °C	36.44 µS/cm	4.97 mg/L	0.83 NTU	59.7 mV	22.77 cm	150.00 ml/min

Samples

Sample ID:	Description:
GWC-5	Sampled at 1430

Low-Flow Test Report:

Test Date / Time: 4/1/2020 4:08:34 PM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28 ft** **Total Depth: 38.5 ft** **Initial Depth to Water: 28.8 ft**	**Pump Type: Alexis peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 4500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: -20.003 m**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
4/1/2020 4:08 PM	00:00	4.97 pH	19.86 °C	58.91 µS/cm	8.10 mg/L	1.10 NTU	107.0 mV	28.80 ft	150.00 ml/min
4/1/2020 4:13 PM	05:00	4.96 pH	20.40 °C	58.94 µS/cm	7.25 mg/L	0.15 NTU	72.0 mV	28.84 ft	150.00 ml/min
4/1/2020 4:18 PM	10:00	4.95 pH	20.42 °C	58.29 µS/cm	7.04 mg/L	0.24 NTU	130.6 mV	28.85 ft	150.00 ml/min
4/1/2020 4:23 PM	15:00	4.97 pH	20.52 °C	57.57 µS/cm	7.10 mg/L	0.33 NTU	130.8 mV	28.85 ft	150.00 ml/min
4/1/2020 4:28 PM	20:00	4.91 pH	20.94 °C	57.24 µS/cm	6.93 mg/L	0.25 NTU	131.9 mV	28.85 ft	150.00 ml/min
4/1/2020 4:33 PM	25:00	4.95 pH	20.80 °C	56.73 µS/cm	6.86 mg/L	0.37 NTU	69.1 mV	28.86 ft	150.00 ml/min
4/1/2020 4:38 PM	30:00	4.93 pH	20.56 °C	55.43 µS/cm	6.85 mg/L	0.63 NTU	132.6 mV	28.86 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWC-9	Sampled at 1645

Low-Flow Test Report:

Test Date / Time: 4/1/2020 5:07:26 PM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23 ft** **Total Depth: 33.5 ft** **Initial Depth to Water: 24.33 ft**	**Pump Type: Alexis peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 28 ft** **Estimated Total Volume Pumped: 5175 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: -16.878 m**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
4/1/2020 5:07 PM	00:00	6.61 pH	20.67 °C	272.53 µS/cm	7.28 mg/L	0.31 NTU	68.2 mV	24.33 ft	150.00 ml/min
4/1/2020 5:12 PM	05:00	6.69 pH	20.20 °C	251.34 µS/cm	4.69 mg/L	0.31 NTU	75.3 mV	24.45 ft	150.00 ml/min
4/1/2020 5:17 PM	10:00	6.61 pH	20.39 °C	236.72 µS/cm	4.69 mg/L	0.15 NTU	42.4 mV	24.45 ft	150.00 ml/min
4/1/2020 5:22 PM	15:00	6.55 pH	20.25 °C	228.96 µS/cm	4.65 mg/L	0.21 NTU	71.2 mV	24.45 ft	150.00 ml/min
4/1/2020 5:27 PM	20:00	6.53 pH	20.43 °C	211.50 µS/cm	4.73 mg/L	0.14 NTU	42.1 mV	24.45 ft	150.00 ml/min
4/1/2020 5:32 PM	25:00	6.52 pH	20.77 °C	219.00 µS/cm	4.38 mg/L	0.18 NTU	71.0 mV	24.45 ft	150.00 ml/min
4/1/2020 5:36 PM	29:30	6.51 pH	20.89 °C	215.46 µS/cm	4.51 mg/L	0.24 NTU	70.5 mV	24.45 ft	150.00 ml/min
4/1/2020 5:41 PM	34:30	6.52 pH	20.93 °C	212.16 µS/cm	4.58 mg/L	0.28 NTU	41.4 mV	24.45 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWC-10	Sampled at 1750

Low-Flow Test Report:

Test Date / Time: 4/2/2020 9:48:05 AM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 33 ft** **Total Depth: 43.5 ft** **Initial Depth to Water: 32.78 ft**	**Pump Type: QED Bladder** **Tubing Type: LDPE** **Pump Intake From TOC: 38 ft** **Estimated Total Volume Pumped: 11250 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: -22.661 m**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
4/2/2020 9:48 AM	00:00	7.59 pH	17.71 °C	243.18 µS/cm	1.50 mg/L	3.63 NTU	-20.2 mV	32.78 ft	150.00 ml/min
4/2/2020 9:53 AM	05:00	7.47 pH	19.36 °C	222.50 µS/cm	0.97 mg/L	4.22 NTU	-13.6 mV	33.15 ft	150.00 ml/min
4/2/2020 9:58 AM	10:00	6.86 pH	19.50 °C	162.84 µS/cm	2.27 mg/L	3.74 NTU	-1.8 mV	33.20 ft	150.00 ml/min
4/2/2020 10:03 AM	15:00	6.64 pH	19.70 °C	130.91 µS/cm	4.37 mg/L	3.74 NTU	29.9 mV	33.20 ft	150.00 ml/min
4/2/2020 10:08 AM	20:00	6.61 pH	19.81 °C	127.27 µS/cm	5.25 mg/L	4.54 NTU	38.6 mV	33.20 ft	150.00 ml/min
4/2/2020 10:13 AM	25:00	6.61 pH	19.85 °C	126.04 µS/cm	5.30 mg/L	4.25 NTU	37.0 mV	33.20 ft	150.00 ml/min
4/2/2020 10:18 AM	30:00	6.61 pH	19.89 °C	122.39 µS/cm	4.70 mg/L	1.51 NTU	35.0 mV	33.20 ft	150.00 ml/min
4/2/2020 10:23 AM	35:00	6.56 pH	19.87 °C	112.99 µS/cm	5.35 mg/L	1.09 NTU	35.3 mV	33.20 ft	150.00 ml/min
4/2/2020 10:28 AM	40:00	6.52 pH	19.94 °C	109.69 µS/cm	4.71 mg/L	0.98 NTU	35.9 mV	33.20 ft	150.00 ml/min
4/2/2020 10:33 AM	45:00	6.47 pH	19.89 °C	106.48 µS/cm	5.15 mg/L	0.92 NTU	38.5 mV	33.20 ft	150.00 ml/min
4/2/2020 10:38 AM	50:00	6.45 pH	19.91 °C	102.05 µS/cm	4.60 mg/L	0.89 NTU	38.0 mV	33.20 ft	150.00 ml/min
4/2/2020 10:43 AM	55:00	6.43 pH	19.87 °C	99.19 µS/cm	4.50 mg/L	1.01 NTU	38.3 mV	33.20 ft	150.00 ml/min
4/2/2020 10:48 AM	01:00:00	6.42 pH	19.55 °C	98.50 µS/cm	4.33 mg/L	0.96 NTU	37.7 mV	33.20 ft	150.00 ml/min
4/2/2020 10:53 AM	01:05:00	6.42 pH	19.63 °C	98.56 µS/cm	3.89 mg/L	0.47 NTU	38.2 mV	33.20 ft	150.00 ml/min
4/2/2020 10:58 AM	01:10:00	6.40 pH	19.68 °C	95.29 µS/cm	3.75 mg/L	0.60 NTU	37.9 mV	33.20 ft	150.00 ml/min

4/2/2020 11:03 AM	01:15:00	6.38 pH	19.60 °C	95.62 µS/cm	3.73 mg/L	0.51 NTU	38.8 mV	33.20 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWC-11	Sampled at 1110

Low-Flow Test Report:

Test Date / Time: 4/1/2020 4:59:59 PM
Project: Plant McIntosh (15)
Operator Name: Daniel McCartha

Location Name: GWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.5 ft** **Total Depth: 41.5 ft**	**Pump Type: Alexis Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 36.5 ft** **Estimated Total Volume Pumped: 3.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 0.13 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 10 %	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3
4/1/2020 4:59 PM	00:00	5.08 pH	20.84 °C	24.53 µS/cm	6.09 mg/L	0.29 NTU	147.0 mV	26.28 ft
4/1/2020 5:04 PM	05:00	5.06 pH	20.69 °C	24.76 µS/cm	5.91 mg/L	0.31 NTU	90.1 mV	26.29 ft
4/1/2020 5:09 PM	10:00	5.06 pH	20.69 °C	25.01 µS/cm	5.82 mg/L	0.21 NTU	85.2 mV	26.30 ft
4/1/2020 5:14 PM	15:00	5.05 pH	20.88 °C	25.03 µS/cm	5.82 mg/L	0.14 NTU	84.3 mV	26.30 ft
4/1/2020 5:19 PM	20:00	5.06 pH	20.71 °C	25.08 µS/cm	5.85 mg/L	0.17 NTU	83.3 mV	26.30 ft
4/1/2020 5:24 PM	25:00	5.06 pH	20.78 °C	25.30 µS/cm	5.91 mg/L	0.58 NTU	83.8 mV	26.30 ft
4/1/2020 5:29 PM	30:00	5.05 pH	21.09 °C	25.18 µS/cm	5.85 mg/L	0.58 NTU	83.5 mV	26.30 ft

Samples

Sample ID:	Description:
GWC-12	Landfill 4. 1740 sample time

Low-Flow Test Report:

Test Date / Time: 3/31/2020 2:53:42 PM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWA-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29.81 ft** **Total Depth: 40.12 ft** **Initial Depth to Water: 24.6 ft**	**Pump Type: Alexis peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 34 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min Final Draw Down: -17.084 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
3/31/2020 2:53 PM	00:00	5.20 pH	23.42 °C	20.66 µS/cm	7.30 mg/L	0.44 NTU	105.6 mV	24.60 ft	150.00 ml/min
3/31/2020 2:58 PM	05:00	5.14 pH	22.76 °C	20.03 µS/cm	6.96 mg/L	0.44 NTU	70.4 mV	24.62 ft	150.00 ml/min
3/31/2020 3:03 PM	10:00	5.19 pH	22.53 °C	19.83 µS/cm	7.18 mg/L	0.69 NTU	129.4 mV	24.65 ft	150.00 ml/min
3/31/2020 3:08 PM	15:00	5.18 pH	22.45 °C	20.56 µS/cm	6.91 mg/L	0.70 NTU	68.7 mV	24.66 ft	150.00 ml/min
3/31/2020 3:13 PM	20:00	5.12 pH	22.33 °C	20.75 µS/cm	6.92 mg/L	0.20 NTU	127.0 mV	24.66 ft	150.00 ml/min
3/31/2020 3:18 PM	25:00	5.12 pH	22.26 °C	20.84 µS/cm	6.85 mg/L	0.49 NTU	125.7 mV	24.66 ft	150.00 ml/min
3/31/2020 3:23 PM	30:00	5.10 pH	22.23 °C	20.60 µS/cm	6.70 mg/L	0.56 NTU	66.9 mV	24.66 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWA-13	Sampled at 1530

Low-Flow Test Report:

Test Date / Time: 4/1/2020 8:57:38 AM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWA-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.6 ft** **Total Depth: 50.11 ft** **Initial Depth to Water: 25.34 ft**	**Pump Type: Alexis peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 5.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.56 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
4/1/2020 8:57 AM	00:00	5.66 pH	14.78 °C	34.78 µS/cm	9.33 mg/L	0.28 NTU	136.6 mV	25.34 ft	150.00 ml/min
4/1/2020 9:02 AM	05:00	5.24 pH	17.45 °C	24.16 µS/cm	6.91 mg/L	0.28 NTU	85.2 mV	25.82 ft	150.00 ml/min
4/1/2020 9:07 AM	10:00	5.16 pH	17.80 °C	25.88 µS/cm	7.39 mg/L	0.33 NTU	82.0 mV	25.90 ft	150.00 ml/min
4/1/2020 9:12 AM	15:00	5.24 pH	17.85 °C	26.07 µS/cm	6.78 mg/L	0.56 NTU	71.8 mV	25.90 ft	150.00 ml/min
4/1/2020 9:17 AM	20:00	5.07 pH	18.02 °C	26.16 µS/cm	6.69 mg/L	0.62 NTU	75.5 mV	25.90 ft	150.00 ml/min
4/1/2020 9:22 AM	25:00	5.19 pH	18.05 °C	26.61 µS/cm	6.93 mg/L	0.42 NTU	74.0 mV	25.90 ft	150.00 ml/min
4/1/2020 9:27 AM	30:00	5.26 pH	18.02 °C	26.48 µS/cm	6.69 mg/L	0.31 NTU	77.1 mV	25.90 ft	150.00 ml/min
4/1/2020 9:32 AM	35:00	5.26 pH	18.34 °C	26.89 µS/cm	6.65 mg/L		74.2 mV	25.90 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWA-14	Sampled at 0940

Low-Flow Test Report:

Test Date / Time: 4/1/2020 9:20:09 AM
Project: Plant McIntosh (7)
Operator Name: Daniel McCartha

Location Name: GWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.3 ft** **Total Depth: 40.3 ft** **Initial Depth to Water: 21.34**	**Pump Type: Alexis Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 35.5 ft** **Estimated Total Volume Pumped: 3.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.16 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

Test Notes:

Weather Conditions:
Cool, windy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 10 %	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3
4/1/2020 9:20 AM	00:00	5.44 pH	18.93 °C	41.59 µS/cm	7.44 mg/L	0.49 NTU	157.8 mV	21.48 ft
4/1/2020 9:25 AM	05:00	5.42 pH	19.64 °C	37.48 µS/cm	7.28 mg/L	0.24 NTU	107.9 mV	21.50 ft
4/1/2020 9:30 AM	10:00	5.41 pH	19.64 °C	37.14 µS/cm	7.22 mg/L	0.38 NTU	93.9 mV	21.50 ft
4/1/2020 9:35 AM	15:00	5.40 pH	20.12 °C	36.16 µS/cm	7.13 mg/L	0.27 NTU	89.6 mV	21.50 ft
4/1/2020 9:40 AM	20:00	5.42 pH	19.89 °C	35.63 µS/cm	7.14 mg/L	0.20 NTU	126.0 mV	21.50 ft
4/1/2020 9:45 AM	25:00	5.36 pH	20.04 °C	34.82 µS/cm	7.14 mg/L	0.26 NTU	127.0 mV	21.50 ft
4/1/2020 9:50 AM	30:00	5.35 pH	19.59 °C	34.05 µS/cm	7.17 mg/L	0.26 NTU	125.9 mV	21.50 ft

Samples

Sample ID:	Description:
GWC-15	Landfill 4 Sample time 1000 Intake at 35.50 feet

Low-Flow Test Report:

Test Date / Time: 4/1/2020 10:42:14 AM
Project: Plant McIntosh (8)
Operator Name: Daniel McCartha

Location Name: GWA-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.27 ft** **Total Depth: 40.27 ft**	**Pump Type: Alexis Peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 35.5 ft** **Estimated Total Volume Pumped: 3.3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 110 ml/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728623**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water
		+/- 0.1	+/- 10 %	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3
4/1/2020 10:42 AM	00:00	4.94 pH	19.77 °C	24.38 µS/cm	7.53 mg/L	0.80 NTU	158.0 mV	23.59 ft
4/1/2020 10:47 AM	05:00	4.97 pH	19.68 °C	24.26 µS/cm	7.27 mg/L	0.51 NTU	101.5 mV	23.60 ft
4/1/2020 10:52 AM	10:00	4.94 pH	19.59 °C	24.18 µS/cm	7.24 mg/L	0.35 NTU	96.7 mV	23.60 ft
4/1/2020 10:57 AM	15:00	4.96 pH	19.83 °C	24.12 µS/cm	7.16 mg/L	0.20 NTU	95.6 mV	23.60 ft
4/1/2020 11:02 AM	20:00	4.95 pH	19.73 °C	24.06 µS/cm	7.19 mg/L	0.35 NTU	95.0 mV	23.61 ft
4/1/2020 11:07 AM	25:00	4.98 pH	20.32 °C	23.94 µS/cm	7.18 mg/L	0.28 NTU	95.1 mV	23.61 ft
4/1/2020 11:12 AM	30:00	4.95 pH	20.66 °C	23.83 µS/cm	7.06 mg/L	0.28 NTU	95.5 mV	23.61 ft

Samples

Sample ID:	Description:
GWA-1 6	Landfill 4. Sample time 1120

Low-Flow Test Report:

Test Date / Time: 4/1/2020 10:14:14 AM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 29.75 ft** **Total Depth: 40.2 ft** **Initial Depth to Water: 26.16 ft**	**Pump Type: Alexis peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 5.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: -25.284 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 5	
4/1/2020 10:14 AM	00:00	5.28 pH	16.70 °C	34.61 µS/cm	7.76 mg/L	0.64 NTU	104.5 mV	26.16 cm	150.00 ml/min
4/1/2020 10:19 AM	05:00	5.33 pH	18.29 °C	33.76 µS/cm	5.98 mg/L	0.64 NTU	65.4 mV	26.65 cm	150.00 ml/min
4/1/2020 10:24 AM	10:00	5.33 pH	18.70 °C	33.31 µS/cm	5.87 mg/L	0.97 NTU	118.0 mV	26.70 cm	150.00 ml/min
4/1/2020 10:29 AM	15:00	5.14 pH	18.80 °C	33.36 µS/cm	5.80 mg/L	0.29 NTU	117.5 mV	26.70 cm	150.00 ml/min
4/1/2020 10:34 AM	20:00	5.32 pH	18.56 °C	31.84 µS/cm	5.82 mg/L	0.33 NTU	62.9 mV	26.70 cm	150.00 ml/min
4/1/2020 10:39 AM	25:00	5.32 pH	18.74 °C	33.70 µS/cm	5.85 mg/L	0.63 NTU	63.3 mV	26.70 cm	150.00 ml/min
4/1/2020 10:44 AM	30:00	5.34 pH	19.14 °C	33.36 µS/cm	5.73 mg/L	0.54 NTU	118.1 mV	26.70 cm	150.00 ml/min
4/1/2020 10:49 AM	35:00	5.30 pH	18.87 °C	33.37 µS/cm	5.69 mg/L		117.1 mV	26.70 cm	150.00 ml/min

Samples

Sample ID:	Description:
GWC-17	Sampled at 1100

Low-Flow Test Report:

Test Date / Time: 4/1/2020 11:32:19 AM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 31.9 ft** **Total Depth: 42.53 ft** **Initial Depth to Water: 35.43 ft**	**Pump Type: QED bladder pump** **Tubing Type: LDPE** **Pump Intake From TOC: 40 ft** **Estimated Total Volume Pumped: 3.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: -34.251 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 5	
4/1/2020 11:32 AM	00:00	6.13 pH	18.51 °C	103.46 µS/cm	7.07 mg/L	3.61 NTU	92.3 mV	35.43 cm	120.00 ml/min
4/1/2020 11:37 AM	05:00	6.25 pH	19.43 °C	104.12 µS/cm	3.46 mg/L	3.61 NTU	88.7 mV	35.80 cm	120.00 ml/min
4/1/2020 11:42 AM	10:00	6.16 pH	19.54 °C	96.75 µS/cm	3.71 mg/L	2.17 NTU	83.1 mV	35.90 cm	120.00 ml/min
4/1/2020 11:47 AM	15:00	6.14 pH	19.67 °C	95.37 µS/cm	3.86 mg/L	1.71 NTU	82.9 mV	35.93 cm	120.00 ml/min
4/1/2020 11:52 AM	20:00	6.13 pH	19.60 °C	95.38 µS/cm	3.91 mg/L	1.33 NTU	81.5 mV	35.93 cm	120.00 ml/min
4/1/2020 11:57 AM	25:00	6.13 pH	19.87 °C	93.44 µS/cm	3.86 mg/L	1.18 NTU	81.0 mV	35.95 cm	120.00 ml/min
4/1/2020 12:02 PM	30:00	6.15 pH	19.80 °C	97.52 µS/cm	3.79 mg/L	1.24 NTU	79.5 mV	35.95 cm	120.00 ml/min

Samples

Sample ID:	Description:
GWC-18	Sampled at 1210

Low-Flow Test Report:

Test Date / Time: 4/1/2020 12:56:14 PM
Project: Plant McIntosh
Operator Name: M. Allard

Location Name: GWC 19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 27 ft** **Total Depth: 37.81 ft** **Initial Depth to Water: 29.4 ft**	**Pump Type: GeoPump peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 32 ft** **Estimated Total Volume Pumped: 7500 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
4/1/2020 12:56 PM	00:00	5.81 pH	19.55 °C	102.60 µS/cm	7.30 mg/L	4.17 NTU	178.3 mV	29.40 ft	150.00 ml/min
4/1/2020 1:01 PM	05:00	5.68 pH	20.10 °C	81.08 µS/cm	4.72 mg/L	3.55 NTU	150.8 mV	29.55 ft	150.00 ml/min
4/1/2020 1:06 PM	10:00	5.68 pH	20.08 °C	84.27 µS/cm	5.14 mg/L	2.10 NTU	137.9 mV	29.52 ft	150.00 ml/min
4/1/2020 1:11 PM	15:00	5.69 pH	20.21 °C	86.67 µS/cm	5.10 mg/L	1.43 NTU	183.6 mV	29.52 ft	150.00 ml/min
4/1/2020 1:16 PM	20:00	5.68 pH	20.22 °C	81.97 µS/cm	4.30 mg/L	1.40 NTU	116.1 mV	29.52 ft	150.00 ml/min
4/1/2020 1:21 PM	25:00	5.68 pH	20.04 °C	83.51 µS/cm	4.06 mg/L	1.34 NTU	104.0 mV	29.52 ft	150.00 ml/min
4/1/2020 1:26 PM	30:00	5.67 pH	20.14 °C	86.47 µS/cm	3.97 mg/L	1.14 NTU	142.7 mV	29.50 ft	150.00 ml/min
4/1/2020 1:31 PM	35:00	5.67 pH	20.59 °C	82.56 µS/cm	3.91 mg/L	1.14 NTU	90.5 mV	29.50 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWC 19	Sampled at 13:35

Low-Flow Test Report:

Test Date / Time: 4/1/2020 12:50:31 PM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 19.83 ft** **Total Depth: 30.1 ft** **Initial Depth to Water: 22.65 ft**	**Pump Type: Alexis peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 8.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.1 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
4/1/2020 12:50 PM	00:00	5.10 pH	19.42 °C	52.30 µS/cm	7.07 mg/L	2.15 NTU	112.4 mV	22.65 ft	150.00 ml/min
4/1/2020 12:55 PM	05:00	5.04 pH	19.40 °C	52.17 µS/cm	4.50 mg/L	2.15 NTU	69.4 mV	22.70 ft	150.00 ml/min
4/1/2020 1:00 PM	10:00	4.94 pH	19.58 °C	51.80 µS/cm	4.45 mg/L	2.00 NTU	68.4 mV	22.73 ft	150.00 ml/min
4/1/2020 1:05 PM	15:00	4.91 pH	19.59 °C	51.35 µS/cm	4.37 mg/L	1.37 NTU	126.2 mV	22.75 ft	150.00 ml/min
4/1/2020 1:10 PM	20:00	4.96 pH	19.61 °C	51.59 µS/cm	4.31 mg/L	1.32 NTU	125.4 mV	22.75 ft	150.00 ml/min
4/1/2020 1:15 PM	25:00	5.07 pH	19.97 °C	51.13 µS/cm	4.19 mg/L	0.81 NTU	125.9 mV	22.75 ft	150.00 ml/min
4/1/2020 1:20 PM	30:00	5.14 pH	19.67 °C	50.99 µS/cm	4.13 mg/L	1.11 NTU	125.0 mV	22.75 ft	150.00 ml/min
4/1/2020 1:25 PM	35:00	4.92 pH	19.46 °C	51.01 µS/cm	4.31 mg/L	1.13 NTU	124.9 mV	22.75 ft	150.00 ml/min
4/1/2020 1:30 PM	40:00	5.14 pH	19.90 °C	51.18 µS/cm	4.20 mg/L	0.56 NTU	126.5 mV	22.75 ft	150.00 ml/min
4/1/2020 1:35 PM	45:00	4.97 pH	19.62 °C	50.88 µS/cm	4.26 mg/L	0.51 NTU	125.1 mV	22.75 ft	150.00 ml/min
4/1/2020 1:40 PM	50:00	5.01 pH	19.75 °C	50.93 µS/cm	4.27 mg/L	0.65 NTU	125.3 mV	22.75 ft	150.00 ml/min
4/1/2020 1:45 PM	55:00	5.03 pH	19.52 °C	51.46 µS/cm	4.13 mg/L	0.71 NTU	124.9 mV	22.75 ft	150.00 ml/min

Samples

Sample ID:	Description:

GWC-20	Sampled at 1350

Low-Flow Test Report:

Test Date / Time: 4/1/2020 2:21:59 PM
Project: Plant McIntosh
Operator Name: M. Allard

Location Name: GWC 21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.5 ft** **Total Depth: 27.5 ft** **Initial Depth to Water: 20.63 ft**	**Pump Type: GeoPump peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 22.5 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.46 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728541**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 10	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
4/1/2020 2:21 PM	00:00	5.23 pH	22.04 °C	36.71 µS/cm	6.30 mg/L	1.19 NTU	164.8 mV	20.63 ft	150.00 ml/min
4/1/2020 2:26 PM	05:00	5.15 pH	20.54 °C	40.58 µS/cm	5.82 mg/L	0.81 NTU	114.3 mV	21.09 ft	150.00 ml/min
4/1/2020 2:31 PM	10:00	5.10 pH	20.32 °C	35.09 µS/cm	5.90 mg/L	0.55 NTU	102.8 mV	21.12 ft	150.00 ml/min
4/1/2020 2:36 PM	15:00	5.09 pH	20.31 °C	40.41 µS/cm	4.61 mg/L	0.21 NTU	95.1 mV	21.13 ft	150.00 ml/min
4/1/2020 2:41 PM	20:00	5.01 pH	20.04 °C	39.39 µS/cm	6.40 mg/L	0.14 NTU	92.4 mV	21.10 ft	150.00 ml/min
4/1/2020 2:46 PM	25:00	5.03 pH	20.13 °C	37.91 µS/cm	4.70 mg/L	0.10 NTU	91.4 mV	21.11 ft	150.00 ml/min
4/1/2020 2:51 PM	30:00	5.04 pH	20.29 °C	37.80 µS/cm	5.14 mg/L	0.16 NTU	88.6 mV	21.11 ft	150.00 ml/min
4/1/2020 2:56 PM	35:00	5.02 pH	20.49 °C	39.03 µS/cm	4.65 mg/L	0.21 NTU	87.2 mV	21.10 ft	150.00 ml/min
4/1/2020 3:01 PM	40:00	5.04 pH	20.04 °C	35.21 µS/cm	4.72 mg/L	0.21 NTU	89.2 mV	21.09 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWC 21	Sampled at 15:05

Low-Flow Test Report:

Test Date / Time: 4/1/2020 2:39:12 PM
Project: Plant McIntosh
Operator Name: L. Coker

Location Name: GWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 23.4 ft** **Total Depth: 33.7 ft** **Initial Depth to Water: 28.74 ft**	**Pump Type: Alexis peristaltic** **Tubing Type: LDPE** **Pump Intake From TOC: 30 ft** **Estimated Total Volume Pumped: 7605 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: -19.791 m**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728638**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 10	+/- 0.3	
4/1/2020 2:39 PM	00:00	5.58 pH	19.73 °C	53.51 µS/cm	6.86 mg/L	0.27 NTU	68.0 mV	28.74 ft	150.00 ml/min
4/1/2020 2:39 PM	00:42	5.46 pH	19.71 °C	52.64 µS/cm	6.33 mg/L	0.27 NTU	106.6 mV	29.00 ft	150.00 ml/min
4/1/2020 2:44 PM	05:42	5.63 pH	19.64 °C	52.57 µS/cm	5.62 mg/L	0.33 NTU	54.1 mV	29.02 ft	150.00 ml/min
4/1/2020 2:49 PM	10:42	5.55 pH	19.95 °C	53.31 µS/cm	5.12 mg/L	0.04 NTU	53.7 mV	29.05 ft	150.00 ml/min
4/1/2020 2:54 PM	15:42	5.49 pH	20.20 °C	52.45 µS/cm	5.13 mg/L	0.38 NTU	52.5 mV	29.15 ft	150.00 ml/min
4/1/2020 2:59 PM	20:42	5.46 pH	20.08 °C	50.37 µS/cm	4.95 mg/L	0.25 NTU	55.4 mV	29.21 ft	150.00 ml/min
4/1/2020 3:04 PM	25:42	5.45 pH	19.80 °C	50.22 µS/cm	4.93 mg/L	0.12 NTU	54.8 mV	29.26 ft	150.00 ml/min
4/1/2020 3:09 PM	30:42	5.40 pH	19.72 °C	44.89 µS/cm	5.63 mg/L	0.21 NTU	55.3 mV	29.30 ft	150.00 ml/min
4/1/2020 3:14 PM	35:42	5.34 pH	20.06 °C	42.83 µS/cm	4.64 mg/L	0.06 NTU	56.6 mV	29.35 ft	150.00 ml/min
4/1/2020 3:19 PM	40:42	5.29 pH	20.21 °C	40.83 µS/cm	4.70 mg/L	0.10 NTU	57.6 mV	29.35 ft	150.00 ml/min
4/1/2020 3:24 PM	45:42	5.28 pH	19.81 °C	40.51 µS/cm	4.64 mg/L	0.15 NTU	57.1 mV	29.36 ft	150.00 ml/min
4/1/2020 3:29 PM	50:42	5.23 pH	19.65 °C	40.01 µS/cm	4.64 mg/L	0.18 NTU	57.8 mV	29.36 ft	150.00 ml/min

Samples

Sample ID:	Description:

GWC-20	Sampled at 1540

GEI

EQUIPMENT CALIBRATION LOG

Facility: **Plant McIntosh** Unit: 4 GE Project Number: 1901973

Sonde Serial #: [illegible] Turbidity Meter Type: [illegible] Turbidity Meter Serial #: [illegible]

Weather Conditions: [illegible] Date: [illegible] Time start: [illegible] Time finish: [illegible]

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	± 5%	Yes No	
pH (4)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	± 0.1 SU	Yes No	
pH (7)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	± 0.1 SU	Yes No	
pH (10)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	± 0.1 SU	Yes No	
ORP (mV)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	± 20mV	Yes No	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	± 0% saturation	Yes No	
Turbidity 0 NTU			[illegible]	[illegible]	[illegible]	± 0.5 NTU	Yes No	
Turbidity 1 NTU			[illegible]	[illegible]	[illegible]	± 0.5 NTU	Yes No	
Turbidity 10 NTU			[illegible]	[illegible]	[illegible]	± 0.5 NTU	Yes No	

GEI

EQUIPMENT CALIBRATION LOG

Facility: **Plant McIntosh** GE Project Number: **1901973**

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)							Yes No	
pH (4)							Yes No	
pH (7)							Yes No	
pH (10)							Yes No	
ORP (mV)							Yes No	
							Yes No	
Turbidity 0 NTU							Yes No	
Turbidity 1 NTU							Yes No	
Turbidity 10 NTU							Yes No	

GEI

EQUIPMENT CALIBRATION LOG

Field Technician: Lucier
SmarTroll Serial #: 728633
Weather Conditions: Clear 60
Facility: Plant McIntosh
Turbidity Meter Type: Lamotte 2020e
Date: 4/1/20
Unit: CT4
GEI Project Number: 1901973
Turbidity Meter Serial #: 2491-3512
Time Start: 0740
Time Finish: 0800

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20C10025 8/21	15.16	4490	4421.5	4490	± 5%	Yes No	
pH (4)	20C10025 8/21	15.11	4	4.07	4.0	± 0.1 SU	Yes No	
pH (7)	19E70141 7/20	14.98	7	7.07	7.0	± 0.1 SU	Yes No	
pH (10)	18449291 7/20	15.13	10	10.24	10.0	± 0.1 SU	Yes No	
ORP (mV)	19460167 8/21	15.25	228	241.6	228	± 20mV	Yes No	
[illegible]	DI Water	15.13	100	95.62	100	± 5 Manufacturer	Yes No	
Turbidity 0 NTU			0	.51	0.0	± 0.5 NTU	Yes No	
Turbidity 1 NTU			1	1.11	1.0	± 0.5 NTU	Yes No	
Turbidity 10 NTU			10	9.00	10.0	± 0.5 NTU	Yes No	

GEI

EQUIPMENT CALIBRATION LOG

Field Technician: L Coker
Facility: **Plant McIntosh**
Unit: UF4
GEI Project Number: 1901973

SmarTroll Serial #: 728638
Turbidity Meter Type: LaMotte 2020
Turbidity Meter Serial #: 2491-332

Weather Conditions: Sunny 60
Date: 4/2/20
Time start: 0815
Time finish: 0830

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010025 8/21	12.71	4490	4428.9	4490	+/- 5%	(Yes) No	
pH (4)	20010025 8/21	12.50	4	4.07	4.0	+/- 0.1 SU	Yes No	
pH (7)	19070141 7/20	12.21	7	7.10	7.0	+/- 0.1 SU	(Yes) No	
pH (10)	18440241 7/20	11.85	10	10.10	10.0	+/- 0.1 SU	(Yes) No	
ORP (mV)	19440167 5/21	12.64	228	246.5	228	+/- 20mV	(Yes) No	
DO [illegible] water saturated air	100%	11.43	100%	93.10%	100%	+/- 6% saturation	(Yes) No	
Turbidity 0 NTU			0	0.81	0.0	+/- 0.5 NTU	(Yes) No	
Turbidity 1 NTU			1	0.95	1.0	+/- 0.5 NTU	(Yes) No	
Turbidity 10 NTU			10	8.59	10.0	+/- 0.5 NTU	(Yes) No	

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-1
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Monitor rust on casing

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWA-2
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?		X	
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)		X	
e	Is the pad surface clean (not covered with sediment or debris)?		X	
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Clear pad, address animal burrows, monitor rust on casing

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWA-3
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?		X	
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)		X	
e	Is the pad surface clean (not covered with sediment or debris)?		X	
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Clear pad, address animal burrows, monitor rust on casing

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-4A
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?		X	
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Monitor rust on casing

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-5
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?		X	
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?		X	
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Monitor rust on casing, address large ant hill

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-9
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?		X	
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?		X	
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Monitor rust on casing, clear sediment on pad

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-10
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?		X	
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Monitor rust on casing

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-11
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?		X	
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Monitor rust on casing

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-12
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?		X	
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Monitor rust on casing

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWA-13
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Latch is rusted and difficult to open/close

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWA-14
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?		X	
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:

Latch is rusted and difficult to open/close, clear grass and sediment from pad edges

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-15
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?		X	
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?		X	
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
Lid is extremely difficult to close, fix PVC

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWA-16
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
N/A

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-17
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
N/A

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-18
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
N/A

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-19
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
N/A

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-20
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
N/A

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-21
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
N/A

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-22
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?			X
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
N/A

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name	McIntosh- Landfill No. 4
Permit Number	
Well ID	GWC-23
Date	3/9/2020
Reflective Sign	Yes

		yes	no	n/a
1	Location/Identification			
a	Is the well visible and accessible?	X		
b	Is the well properly identified with the correct well ID?	X		
c	Is the well in a high traffic area and does the well require protection from traffic?		X	
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	X		
2	Protective Casing			
a	Is the protective casing free from apparent damage and able to be secured?	X		
b	Is the casing free of degradation or deterioration?	X		
c	Does the casing have a functioning weep hole?	X		
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	X		
e	Is the well locked and is the lock in good condition?	X		
3	Surface pad			
a	Is the well pad in good condition (not cracked or broken)?	X		
b	Is the well pad sloped away from the protective casing?	X		
c	Is the well pad in complete contact with the protective casing?	X		
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	X		
e	Is the pad surface clean (not covered with sediment or debris)?	X		
4	Internal casing			
a	Does the cap prevent entry of foreign material into the well?	X		
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	X		
c	Is the well properly vented for equilibration of air pressure?	X		
d	Is the survey point clearly marked on the inner casing?	X		
e	Is the depth of the well consistent with the original well log?	X		
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	X		
5	Sampling: Groundwater Wells Only:			
a	Does well recharge adequately when purged?	X		
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?			X
c	Does the well require redevelopment (low flow, turbid)?		X	
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	X		

7 Corrective actions as needed, by date:
N/A

Signature and Seal of PE/PG responsible for inspection

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-107801-1
Client Project/Site: CCR - Plant McIntosh Ash Landfill #4

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

Attn: Kristen N Jurinko

Authorized for release by:
7/7/2020 4:40:11 PM

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

PA Lab ID: 02-00416

Table of Contents

Case Narrative

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

Job ID: 180-107801-1

Job ID: 180-107801-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-107801-1

Comments
No additional comments.

Receipt
The sample was received on 7/2/2020 8:30 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1° C.

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

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

Definitions/Glossary

Client: Southern Company
Job ID: 180-107801-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-107801-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-20 *
Kansas	NELAP	E-10350	01-31-21
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-20
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-20
Nevada	State	PA00164	07-31-20
New Hampshire	NELAP	2030	04-05-21
New Jersey	NELAP	PA005	08-01-20
New York	NELAP	11182	04-01-21
North Carolina (WW/SW)	State	434	01-01-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-21
Pennsylvania	NELAP	02-00416	05-23-21
Rhode Island	State	LAO00362	12-31-20
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-15-20
West Virginia DEP	State	142	02-01-21
Wisconsin	State	998027800	08-31-20

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

Sample Summary

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

Job ID: 180-107801-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-107801-1	GWC-9	Water	06/30/20 09:45	07/02/20 08:30	

Method Summary

Client: Southern Company
Job ID: 180-107801-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Method	Method Description	Protocol	Laboratory
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Lab Chronicle

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

Job ID: 180-107801-1

Client Sample ID: GWC-9

Date Collected: 06/30/20 09:45
Date Received: 07/02/20 08:30

Lab Sample ID: 180-107801-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			320285	07/02/20 11:38	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total/NA	Analysis	Field Sampling		1			320756	06/30/20 09:45	CMK	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Analysis

CMK = Christina Kovitch

MJH = Matthew Hartman

Client Sample Results

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

Job ID: 180-107801-1

Client Sample ID: GWC-9

Date Collected: 06/30/20 09:45
Date Received: 07/02/20 08:30

Lab Sample ID: 180-107801-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11		1.0	0.32	mg/L			07/02/20 11:38	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	4.52				SU			06/30/20 09:45	1

QC Sample Results

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

Job ID: 180-107801-1

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

Lab Sample ID: MB 180-320285/6
Matrix: Water
Analysis Batch: 320285

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			07/02/20 06:58	1

Lab Sample ID: LCS 180-320285/5
Matrix: Water
Analysis Batch: 320285

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			50.0	53.3		mg/L		107	90 - 110		

QC Association Summary

Client: Southern Company
Job ID: 180-107801-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

HPLC/IC

Analysis Batch: 320285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-107801-1	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
MB 180-320285/6	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-320285/5	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

Field Service / Mobile Lab

Analysis Batch: 320756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-107801-1	GWC-9	Total/NA	Water	Field Sampling	

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

Chain of Custody Record

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Client Information	Sampler: J Bousfield	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: shali.brown@testamericainc.com		Page:
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days): * 2 DAY *			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	PO #: SCS10382606			
Email: SCS Contacts	WO #:			
Project Name: Plant McIntosh Ash Landfill #4	Project #: 18019955			
Site: Georgia	SSOW#:			

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:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Chloride	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GWC-9	6-30-20	0945	G	W	N	N	✓	1	pH = 4.52

180-107801 Chain of Custody

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	6/30/20 1700	ACC	Fedex	6/30/20 1700	ACC
2	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 7/1/20 [illegible]	Company [illegible]
3	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:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-107801-1

Login Number: 107801
List Number: 1
Creator: Say, Thomas C

List Source: Eurofins TestAmerica, Pittsburgh

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

Low-Flow Test Report:

Test Date / Time: 6/30/2020 8:40:22 AM
Project: Plant McIntosh - Landfill #4
Operator Name: J. Berisford

Location Name: GWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28 ft** **Total Depth: 38.5 ft** **Initial Depth to Water: 28.51 ft**	**Pump Type: Peri pump** **Tubing Type: Poly** **Pump Intake From TOC: 33 m** **Estimated Total Volume Pumped: 19705 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 2.28 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714344**

Test Notes:
Sunny, sample time -0945

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 0.3	
6/30/2020 8:40 AM	00:00	5.68 pH	30.49 °C	60.32 µS/cm	6.69 mg/L		119.7 mV	28.51 ft	300.00 ml/min
6/30/2020 8:41 AM	00:41	4.54 pH	28.09 °C	43.78 µS/cm	6.13 mg/L		88.5 mV	28.60 ft	300.00 ml/min
6/30/2020 8:46 AM	05:41	4.45 pH	23.38 °C	46.61 µS/cm	7.06 mg/L	0.78 NTU	76.4 mV	28.70 ft	300.00 ml/min
6/30/2020 8:51 AM	10:41	4.46 pH	23.16 °C	46.47 µS/cm	7.00 mg/L	0.92 NTU	77.0 mV	28.70 ft	300.00 ml/min
6/30/2020 8:56 AM	15:41	4.43 pH	23.18 °C	46.06 µS/cm	6.85 mg/L	0.84 NTU	79.4 mV	28.70 ft	300.00 ml/min
6/30/2020 9:01 AM	20:41	4.44 pH	23.31 °C	45.75 µS/cm	6.73 mg/L	0.82 NTU	80.7 mV	28.70 ft	300.00 ml/min
6/30/2020 9:06 AM	25:41	4.44 pH	23.33 °C	45.51 µS/cm	6.72 mg/L	0.55 NTU	82.7 mV	28.70 ft	300.00 ml/min
6/30/2020 9:11 AM	30:41	4.46 pH	23.38 °C	45.58 µS/cm	6.72 mg/L	0.72 NTU	83.6 mV	28.70 ft	300.00 ml/min
6/30/2020 9:16 AM	35:41	4.46 pH	23.43 °C	45.66 µS/cm	6.54 mg/L	0.59 NTU	86.2 mV	28.70 ft	300.00 ml/min
6/30/2020 9:21 AM	40:41	4.48 pH	23.47 °C	45.70 µS/cm	6.73 mg/L	0.77 NTU	87.1 mV	28.70 ft	300.00 ml/min
6/30/2020 9:26 AM	45:41	4.49 pH	23.56 °C	45.35 µS/cm	6.71 mg/L	0.63 NTU	88.9 mV	28.70 ft	300.00 ml/min
6/30/2020 9:31 AM	50:41	4.51 pH	23.61 °C	45.84 µS/cm	6.69 mg/L	0.65 NTU	90.3 mV	28.70 ft	300.00 ml/min
6/30/2020 9:36 AM	55:41	4.51 pH	23.92 °C	45.38 µS/cm	6.59 mg/L	0.50 NTU	92.1 mV	28.70 ft	300.00 ml/min
6/30/2020 9:41 AM	01:00:41	4.52 pH	23.97 °C	45.23 µS/cm	6.50 mg/L	0.61 NTU	93.9 mV	28.70 ft	300.00 ml/min

6/30/2020 9:46 AM	01:05:41	4.52 pH	23.99 °C	45.60 µS/cm	6.56 mg/L	0.58 NTU	98.9 mV	28.70 ft	300.00 ml/min

Samples

Sample ID:	Description:

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-111214-1
Client Project/Site: CCR - Plant McIntosh Ash Landfill #4

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

Attn: Kristen N Jurinko

Authorized for release by:
10/27/2020 7:44:12 AM

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

PA Lab ID: 02-00416

Table of Contents

Case Narrative

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

Job ID: 180-111214-1

Job ID: 180-111214-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-111214-1

Comments
No additional comments.

Receipt
The samples were received on 9/19/2020 11:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.6º C, 1.9º C, 2.1º C, 2.1º C, 2.4º C and 2.4º C.

Receipt Exceptions
The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): LF4-FERB-01-09-16-20 (180-111214-24). The container labels list a sample id of EB-1-9-16-2020, while the COC lists FERB-LF4-01-9-16-20. The ID on the COC was used.

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

Metals
Method 6020B: The continuing calibration verification (CCV) associated with batch 180-333782 recovered above the upper control limit for boron. The samples associated with this CCV were non-detects -or- less than the RL for the affected analytes; therefore, the data have been reported.

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

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

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

Definitions/Glossary

Client: Southern Company
Job ID: 180-111214-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-111214-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Laboratory: Eurofins TestAmerica, Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-21
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-20
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-20
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-21
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-21
North Carolina (WW/SW)	State	434	01-01-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-21
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-20
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	02-01-21
Wisconsin	State	998027800	08-31-21

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

Sample Summary

Client: Southern Company
Job ID: 180-111214-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-111214-1	GWC-1	Water	09/15/20 17:33	09/19/20 11:00	
180-111214-2	GWA-2	Water	09/15/20 10:04	09/19/20 11:00	
180-111214-3	GWA-3	Water	09/15/20 11:35	09/19/20 11:00	
180-111214-4	GWC-4A	Water	09/16/20 09:59	09/19/20 11:00	
180-111214-5	GWC-5	Water	09/15/20 17:21	09/19/20 11:00	
180-111214-6	GWC-9	Water	09/16/20 11:00	09/19/20 11:00	
180-111214-7	GWC-10	Water	09/15/20 14:05	09/19/20 11:00	
180-111214-8	GWC-11	Water	09/15/20 16:23	09/19/20 11:00	
180-111214-9	GWC-12	Water	09/16/20 13:13	09/19/20 11:00	
180-111214-10	GWA-13	Water	09/15/20 10:10	09/19/20 11:00	
180-111214-11	GWA-14	Water	09/15/20 11:18	09/19/20 11:00	
180-111214-12	GWC-15	Water	09/15/20 10:30	09/19/20 11:00	
180-111214-13	GWA-16	Water	09/15/20 11:55	09/19/20 11:00	
180-111214-14	GWC-17	Water	09/15/20 12:35	09/19/20 11:00	
180-111214-15	GWC-18	Water	09/15/20 14:31	09/19/20 11:00	
180-111214-16	GWC-19	Water	09/16/20 11:58	09/19/20 11:00	
180-111214-17	GWC-20	Water	09/15/20 15:51	09/19/20 11:00	
180-111214-18	GWC-21	Water	09/15/20 17:55	09/19/20 11:00	
180-111214-19	GWC-23	Water	09/15/20 16:20	09/19/20 11:00	
180-111214-20	LF4-DUP-01	Water	09/15/20 00:00	09/19/20 11:00	
180-111214-21	LF4-DUP-02	Water	09/16/20 00:00	09/19/20 11:00	
180-111214-22	LF4-FB-01-09-15-20	Water	09/15/20 12:45	09/19/20 11:00	
180-111214-23	LF4-FB-02-09-15-20	Water	09/15/20 17:45	09/19/20 11:00	
180-111214-24	LF4-FERB-01-09-16-20	Water	09/16/20 09:10	09/19/20 11:00	
180-111214-25	LF4-FERB-02-09-16-20	Water	09/16/20 10:10	09/19/20 11:00	

Method Summary

Client: Southern Company
Job ID: 180-111214-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Client Sample ID: GWC-1

Date Collected: 09/15/20 17:33
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 17:35	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 18:14	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 19:42	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330737	09/22/20 08:23	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 17:33	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-2

Date Collected: 09/15/20 10:04
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 16:31	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 18:39	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			334010	10/17/20 22:29	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:00	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330737	09/22/20 08:23	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 10:04	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-3

Date Collected: 09/15/20 11:35
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 16:47	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 18:42	RSK	TAL PIT
	Instrument ID: A									

Client Sample ID: GWA-3

Lab Sample ID: 180-111214-3

Date Collected: 09/15/20 11:35

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:03	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330737	09/22/20 08:23	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 11:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-4A

Lab Sample ID: 180-111214-4

Date Collected: 09/16/20 09:59

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 18:22	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 18:46	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:06	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330737	09/22/20 08:23	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/16/20 09:59	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-5

Lab Sample ID: 180-111214-5

Date Collected: 09/15/20 17:21

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		5			331735	09/30/20 18:38	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 18:49	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:08	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 17:21	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-9

Date Collected: 09/16/20 11:00
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 18:54	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 18:53	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:11	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/16/20 11:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-10

Date Collected: 09/15/20 14:05
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 19:10	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 18:57	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:14	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 14:05	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-11

Date Collected: 09/15/20 16:23
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 19:26	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 19:00	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:16	RSK	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

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

Job ID: 180-111214-1

Client Sample ID: GWC-11

Date Collected: 09/15/20 16:23
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-8

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	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 16:23	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-12

Date Collected: 09/16/20 13:13
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 19:42	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 19:04	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:19	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/16/20 13:13	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-13

Date Collected: 09/15/20 10:10
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 19:57	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 19:07	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:22	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 10:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-14

Lab Sample ID: 180-111214-11

Date Collected: 09/15/20 11:18

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 20:45	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 19:18	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:29	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 11:18	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-15

Lab Sample ID: 180-111214-12

Date Collected: 09/15/20 10:30

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331735	09/30/20 21:32	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 19:21	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:32	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 10:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-16

Lab Sample ID: 180-111214-13

Date Collected: 09/15/20 11:55

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331906	10/01/20 20:51	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 19:25	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:35	RSK	TAL PIT
	Instrument ID: NEMO									

Client Sample ID: GWA-16

Lab Sample ID: 180-111214-13

Date Collected: 09/15/20 11:55

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 11:55	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-17

Lab Sample ID: 180-111214-14

Date Collected: 09/15/20 12:35

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331906	10/01/20 19:32	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 19:29	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:37	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 12:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-18

Lab Sample ID: 180-111214-15

Date Collected: 09/15/20 14:31

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331906	10/01/20 22:58	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333782	10/16/20 19:32	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331868	09/30/20 15:38	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333644	10/15/20 20:40	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 14:31	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 180-111214-1

Client Sample ID: GWC-19

Lab Sample ID: 180-111214-16

Date Collected: 09/16/20 11:58

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331906	10/01/20 23:14	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:17	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/16/20 11:58	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-20

Lab Sample ID: 180-111214-17

Date Collected: 09/15/20 15:51

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331906	10/01/20 23:30	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:20	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 15:51	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-21

Lab Sample ID: 180-111214-18

Date Collected: 09/15/20 17:55

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331906	10/01/20 23:46	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:22	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 17:55	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-23

Lab Sample ID: 180-111214-19

Date Collected: 09/15/20 16:20

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331906	10/02/20 00:01	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:25	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			330618	09/15/20 16:20	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-DUP-01

Lab Sample ID: 180-111214-20

Date Collected: 09/15/20 00:00

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331906	10/02/20 00:49	EPS	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:27	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-DUP-02

Lab Sample ID: 180-111214-21

Date Collected: 09/16/20 00:00

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331737	09/30/20 19:44	EPS	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:30	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-FB-01-09-15-20

Lab Sample ID: 180-111214-22

Date Collected: 09/15/20 12:45

Matrix: Water

Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331737	09/30/20 20:46	EPS	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:33	RSK	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

Client: Southern Company
Job ID: 180-111214-1
Project/Site: CCR - Plant McIntosh Ash Landfill #4

Client Sample ID: LF4-FB-01-09-15-20
Lab Sample ID: 180-111214-22
Date Collected: 09/15/20 12:45
Matrix: Water
Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT

Client Sample ID: LF4-FB-02-09-15-20
Lab Sample ID: 180-111214-23
Date Collected: 09/15/20 17:45
Matrix: Water
Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331737	09/30/20 21:07	EPS	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:35	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-FERB-01-09-16-20
Lab Sample ID: 180-111214-24
Date Collected: 09/16/20 09:10
Matrix: Water
Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331737	09/30/20 21:28	EPS	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:43	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330784	09/22/20 10:25	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: LF4-FERB-02-09-16-20
Lab Sample ID: 180-111214-25
Date Collected: 09/16/20 10:10
Matrix: Water
Date Received: 09/19/20 11:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			331737	09/30/20 21:49	EPS	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			50 mL	50 mL	331870	09/30/20 15:41	TJO	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			333779	10/16/20 15:46	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	330785	09/22/20 10:30	AVS	TAL PIT
	Instrument ID: NOEQUIP									

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

Lab Chronicle

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

Job ID: 180-111214-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

TJO = Tyler Oliver

Batch Type: Analysis

AVS = Abbey Smith

EPS = Evan Scheuer

FDS = Sampler Field

RSK = Robert Kurtz

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWC-1
Date Collected: 09/15/20 17:33
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.1**		1.0	0.32	mg/L			09/30/20 17:35	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 17:35	1
Sulfate	**1.6**		1.0	0.38	mg/L			09/30/20 17:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 19:42	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 19:42	1
Barium	**0.038**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 19:42	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 19:42	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:38	10/15/20 19:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 19:42	1
Calcium	**1.3**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 19:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 19:42	1
Cobalt	**0.0014**	**J**	0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 19:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 19:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 19:42	1
Nickel	**0.0012**		0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 18:14	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 19:42	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 19:42	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 19:42	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 19:42	1
Zinc	**0.0049**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 19:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**25**		10	10	mg/L			09/22/20 08:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.76**				SU			09/15/20 17:33	1

Client Sample ID: GWA-2

Date Collected: 09/15/20 10:04
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.9**		1.0	0.32	mg/L			09/30/20 16:31	1
Fluoride	**0.029**	**J**	0.10	0.026	mg/L			09/30/20 16:31	1
Sulfate	<0.38		1.0	0.38	mg/L			09/30/20 16:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:00	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:00	1
Barium	**0.036**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:00	1
Beryllium	**0.00024**	**J**	0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:00	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:38	10/17/20 22:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:00	1
Calcium	**0.42**	**J**	0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:00	1
Chromium	**0.0015**	**J**	0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:00	1
Cobalt	**0.00099**	**J**	0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:00	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:00	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:00	1
Nickel	**0.00094**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 18:39	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:00	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:00	1
Thallium	**0.00029**	**J**	0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:00	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:00	1
Zinc	**0.0049**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**22**		10	10	mg/L			09/22/20 08:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.52**				SU			09/15/20 10:04	1

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWA-3
Date Collected: 09/15/20 11:35
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.4**		1.0	0.32	mg/L			09/30/20 16:47	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 16:47	1
Sulfate	**0.47**	**J**	1.0	0.38	mg/L			09/30/20 16:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:03	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:03	1
Barium	**0.015**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:03	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:03	1
Boron	**0.061**	**J B ^**	0.080	0.039	mg/L		09/30/20 15:38	10/16/20 18:42	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:03	1
Calcium	**0.84**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:03	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:03	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:03	1
Copper	**0.00095**	**J**	0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:03	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:03	1
Nickel	**0.00038**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 18:42	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:03	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:03	1
Thallium	**0.00017**	**J**	0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:03	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/22/20 08:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.72**				SU			09/15/20 11:35	1

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

Job ID: 180-111214-1

Client Sample ID: GWC-4A

Date Collected: 09/16/20 09:59
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.5**		1.0	0.32	mg/L			09/30/20 18:22	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 18:22	1
Sulfate	**4.1**		1.0	0.38	mg/L			09/30/20 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:06	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:06	1
Barium	**0.016**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:06	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:06	1
Boron	**0.056**	**J B ^**	0.080	0.039	mg/L		09/30/20 15:38	10/16/20 18:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:06	1
Calcium	**0.43**	**J**	0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:06	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:06	1
Cobalt	**0.0014**	**J**	0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:06	1
Copper	**0.00079**	**J**	0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:06	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:06	1
Nickel	**0.00096**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 18:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:06	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:06	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:06	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:06	1
Zinc	**0.011**		0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**21**		10	10	mg/L			09/22/20 08:23	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.87**				SU			09/16/20 09:59	1

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWC-5
Date Collected: 09/15/20 17:21
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18**		5.0	1.6	mg/L			09/30/20 18:38	5
Fluoride	<0.13		0.50	0.13	mg/L			09/30/20 18:38	5
Sulfate	<1.9		5.0	1.9	mg/L			09/30/20 18:38	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:08	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:08	1
Barium	**0.041**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:08	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:08	1
Boron	**0.047**	**J B ^**	0.080	0.039	mg/L		09/30/20 15:38	10/16/20 18:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:08	1
Calcium	**2.2**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:08	1
Cobalt	**0.00050**	**J**	0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:08	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:08	1
Nickel	**0.00056**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 18:49	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:08	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:08	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:08	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:08	1
Zinc	**0.0049**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**23**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.27**				SU			09/15/20 17:21	1

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWC-9
Date Collected: 09/16/20 11:00
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.6**		1.0	0.32	mg/L			09/30/20 18:54	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 18:54	1
Sulfate	<0.38		1.0	0.38	mg/L			09/30/20 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:11	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:11	1
Barium	**0.033**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:11	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:11	1
Boron	**0.042**	**J B ^**	0.080	0.039	mg/L		09/30/20 15:38	10/16/20 18:53	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:11	1
Calcium	**0.45**	**J**	0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:11	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:11	1
Cobalt	**0.00037**	**J**	0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:11	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:11	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:11	1
Nickel	**0.00075**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 18:53	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:11	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:11	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:11	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:11	1
Zinc	**0.0035**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.74**				SU			09/16/20 11:00	1

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWC-10

Date Collected: 09/15/20 14:05
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.2**		1.0	0.32	mg/L			09/30/20 19:10	1
Fluoride	**0.11**		0.10	0.026	mg/L			09/30/20 19:10	1
Sulfate	**3.6**		1.0	0.38	mg/L			09/30/20 19:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:14	1
Arsenic	**0.00041**	**J**	0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:14	1
Barium	**0.023**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:14	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:14	1
Boron	**0.062**	**J B ^**	0.080	0.039	mg/L		09/30/20 15:38	10/16/20 18:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:14	1
Calcium	**27**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:14	1
Chromium	**0.0018**	**J**	0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:14	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:14	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:14	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:14	1
Nickel	**0.0013**		0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 18:57	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:14	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:14	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:14	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:14	1
Zinc	**0.0043**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**140**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.66**				SU			09/15/20 14:05	1

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

Job ID: 180-111214-1

Client Sample ID: GWC-11

Date Collected: 09/15/20 16:23
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.1**		1.0	0.32	mg/L			09/30/20 19:26	1
Fluoride	**0.21**		0.10	0.026	mg/L			09/30/20 19:26	1
Sulfate	**5.0**		1.0	0.38	mg/L			09/30/20 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:16	1
Arsenic	**0.0011**		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:16	1
Barium	**0.015**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:16	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:16	1
Boron	<0.039	^	0.080	0.039	mg/L		09/30/20 15:38	10/16/20 19:00	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:16	1
Calcium	**13**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:16	1
Chromium	**0.0028**		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:16	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:16	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:16	1
Nickel	**0.00063**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 19:00	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:16	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:16	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:16	1
Vanadium	**0.0010**		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:16	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**82**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.62**				SU			09/15/20 16:23	1

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

Job ID: 180-111214-1

Client Sample ID: GWC-12

Date Collected: 09/16/20 13:13
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.5**		1.0	0.32	mg/L			09/30/20 19:42	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 19:42	1
Sulfate	**0.53**	**J**	1.0	0.38	mg/L			09/30/20 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:19	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:19	1
Barium	**0.011**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:19	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:19	1
Boron	<0.039	^	0.080	0.039	mg/L		09/30/20 15:38	10/16/20 19:04	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:19	1
Calcium	**0.64**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:19	1
Chromium	**0.0016**	**J**	0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:19	1
Cobalt	**0.00023**	**J**	0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:19	1
Nickel	**0.00088**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 19:04	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:19	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:19	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:19	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:19	1
Zinc	**0.0033**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**17**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.91**				SU			09/16/20 13:13	1

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

Job ID: 180-111214-1

Client Sample ID: GWA-13

Date Collected: 09/15/20 10:10
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.5**		1.0	0.32	mg/L			09/30/20 19:57	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 19:57	1
Sulfate	**0.38**	**J**	1.0	0.38	mg/L			09/30/20 19:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:22	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:22	1
Barium	**0.014**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:22	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:22	1
Boron	<0.039	^	0.080	0.039	mg/L		09/30/20 15:38	10/16/20 19:07	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:22	1
Calcium	**0.32**	**J**	0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:22	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:22	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:22	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:22	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:22	1
Nickel	**0.00037**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 19:07	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:22	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:22	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:22	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:22	1
Zinc	**0.0037**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**17**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.07**				SU			09/15/20 10:10	1

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWA-14

Date Collected: 09/15/20 11:18
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.3**		1.0	0.32	mg/L			09/30/20 20:45	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 20:45	1
Sulfate	**1.1**		1.0	0.38	mg/L			09/30/20 20:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00039**	**J**	0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:29	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:29	1
Barium	**0.012**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:29	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:29	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:38	10/16/20 19:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:29	1
Calcium	**0.60**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:29	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:29	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:29	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:29	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:29	1
Nickel	**0.00075**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 19:18	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:29	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:29	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:29	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:29	1
Zinc	**0.024**		0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**17**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.83**				SU			09/15/20 11:18	1

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWC-15

Date Collected: 09/15/20 10:30
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.6**		1.0	0.32	mg/L			09/30/20 21:32	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 21:32	1
Sulfate	**0.44**	**J**	1.0	0.38	mg/L			09/30/20 21:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:32	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:32	1
Barium	**0.023**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:32	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:32	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:38	10/16/20 19:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:32	1
Calcium	**0.38**	**J**	0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:32	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:32	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:32	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:32	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:32	1
Nickel	**0.00047**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 19:21	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:32	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:32	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:32	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:32	1
Zinc	**0.0033**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**13**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.92**				SU			09/15/20 10:30	1

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

Job ID: 180-111214-1

Client Sample ID: GWA-16

Date Collected: 09/15/20 11:55
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**		1.0	0.32	mg/L			10/01/20 20:51	1
Fluoride	<0.026		0.10	0.026	mg/L			10/01/20 20:51	1
Sulfate	**0.44**	**J**	1.0	0.38	mg/L			10/01/20 20:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:35	1
Barium	**0.024**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:35	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:38	10/16/20 19:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:35	1
Calcium	**0.42**	**J**	0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:35	1
Chromium	**0.0015**	**J**	0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:35	1
Lead	**0.00024**	**J**	0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:35	1
Nickel	**0.00045**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 19:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:35	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:35	1
Zinc	**0.0033**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**14**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.02**				SU			09/15/20 11:55	1

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWC-17

Date Collected: 09/15/20 12:35
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.3**		1.0	0.32	mg/L			10/01/20 19:32	1
Fluoride	**0.099**	**J**	0.10	0.026	mg/L			10/01/20 19:32	1
Sulfate	<0.38		1.0	0.38	mg/L			10/01/20 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:37	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:37	1
Barium	**0.018**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:37	1
Beryllium	**0.00063**	**J**	0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:37	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:38	10/16/20 19:29	1
Cadmium	**0.00046**	**J**	0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:37	1
Calcium	**2.0**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:37	1
Chromium	**0.0027**		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:37	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:37	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:37	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:37	1
Nickel	**0.0016**		0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 19:29	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:37	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:37	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:37	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:37	1
Zinc	**0.0052**		0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**26**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.29**				SU			09/15/20 12:35	1

Client Sample Results

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

Job ID: 180-111214-1

Client Sample ID: GWC-18

Date Collected: 09/15/20 14:31
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.4**		1.0	0.32	mg/L			10/01/20 22:58	1
Fluoride	**0.49**		0.10	0.026	mg/L			10/01/20 22:58	1
Sulfate	**2.7**		1.0	0.38	mg/L			10/01/20 22:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 20:40	1
Arsenic	**0.00076**	**J**	0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 20:40	1
Barium	**0.014**		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 20:40	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 20:40	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:38	10/16/20 19:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 20:40	1
Calcium	**10**		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 20:40	1
Chromium	**0.0025**		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 20:40	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 20:40	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 20:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 20:40	1
Nickel	**0.00092**	**J**	0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 19:32	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 20:40	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 20:40	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 20:40	1
Vanadium	**0.0022**		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 20:40	1
Zinc	**0.0032**	**J**	0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 20:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**64**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.13**				SU			09/15/20 14:31	1

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

Job ID: 180-111214-1

Client Sample ID: GWC-19

Date Collected: 09/16/20 11:58
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.5		1.0	0.32	mg/L			10/01/20 23:14	1
Fluoride	0.076	J	0.10	0.026	mg/L			10/01/20 23:14	1
Sulfate	1.6		1.0	0.38	mg/L			10/01/20 23:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:17	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:17	1
Barium	0.012		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:17	1
Beryllium	0.00022	J	0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:17	1
Boron	0.046	J	0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:17	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:17	1
Calcium	7.6		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:17	1
Chromium	0.0015	J	0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:17	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:17	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:17	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:17	1
Nickel	0.0012		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:17	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:17	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:17	1
Thallium	0.00026	J	0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:17	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:17	1
Zinc	0.0040	J	0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	60		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.43				SU			09/16/20 11:58	1

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

Job ID: 180-111214-1

Client Sample ID: GWC-20

Date Collected: 09/15/20 15:51
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.7**		1.0	0.32	mg/L			10/01/20 23:30	1
Fluoride	**0.032**	**J**	0.10	0.026	mg/L			10/01/20 23:30	1
Sulfate	**0.67**	**J**	1.0	0.38	mg/L			10/01/20 23:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:20	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:20	1
Barium	**0.021**		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:20	1
Beryllium	**0.00025**	**J**	0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:20	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:20	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:20	1
Calcium	**1.5**		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:20	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:20	1
Cobalt	**0.00097**	**J**	0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:20	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:20	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:20	1
Nickel	**0.0011**		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:20	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:20	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:20	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:20	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:20	1
Zinc	**0.0044**	**J**	0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**34**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.96**				SU			09/15/20 15:51	1

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

Job ID: 180-111214-1

Client Sample ID: GWC-21

Date Collected: 09/15/20 17:55
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.5**		1.0	0.32	mg/L			10/01/20 23:46	1
Fluoride	<0.026		0.10	0.026	mg/L			10/01/20 23:46	1
Sulfate	**0.56**	**J**	1.0	0.38	mg/L			10/01/20 23:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:22	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:22	1
Barium	**0.021**		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:22	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:22	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:22	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:22	1
Calcium	**1.1**		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:22	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:22	1
Cobalt	**0.00088**	**J**	0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:22	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:22	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:22	1
Nickel	**0.00070**	**J**	0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:22	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:22	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:22	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:22	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:22	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**24**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**4.86**				SU			09/15/20 17:55	1

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

Job ID: 180-111214-1

Client Sample ID: GWC-23

Date Collected: 09/15/20 16:20
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		1.0	0.32	mg/L			10/02/20 00:01	1
Fluoride	**0.028**	**J**	0.10	0.026	mg/L			10/02/20 00:01	1
Sulfate	**1.9**		1.0	0.38	mg/L			10/02/20 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:25	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:25	1
Barium	**0.024**		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:25	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:25	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:25	1
Calcium	**1.3**		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:25	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:25	1
Cobalt	**0.0032**		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:25	1
Nickel	**0.0013**		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:25	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:25	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:25	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:25	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:25	1
Zinc	**0.0040**	**J**	0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**27**		10	10	mg/L			09/22/20 10:25	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.18**				SU			09/15/20 16:20	1

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

Job ID: 180-111214-1

Client Sample ID: LF4-DUP-01

Date Collected: 09/15/20 00:00
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.5**		1.0	0.32	mg/L			10/02/20 00:49	1
Fluoride	**0.49**		0.10	0.026	mg/L			10/02/20 00:49	1
Sulfate	**2.9**		1.0	0.38	mg/L			10/02/20 00:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:27	1
Arsenic	**0.00073**	**J**	0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:27	1
Barium	**0.013**		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:27	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:27	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:27	1
Calcium	**9.9**		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:27	1
Chromium	**0.0029**		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:27	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:27	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:27	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:27	1
Nickel	**0.00080**	**J**	0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:27	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:27	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:27	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:27	1
Vanadium	**0.0022**		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:27	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**80**		10	10	mg/L			09/22/20 10:25	1

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

Job ID: 180-111214-1

Client Sample ID: LF4-DUP-02

Date Collected: 09/16/20 00:00
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.8**		1.0	0.32	mg/L			09/30/20 19:44	1
Fluoride	**0.098**	**J**	0.10	0.026	mg/L			09/30/20 19:44	1
Sulfate	**1.4**		1.0	0.38	mg/L			09/30/20 19:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:30	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:30	1
Barium	**0.012**		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:30	1
Beryllium	**0.00019**	**J**	0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:30	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:30	1
Calcium	**7.5**		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:30	1
Chromium	**0.0016**	**J**	0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:30	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:30	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:30	1
Nickel	**0.0013**		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:30	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:30	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:30	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:30	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:30	1
Zinc	**0.0034**	**J**	0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**50**		10	10	mg/L			09/22/20 10:25	1

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

Job ID: 180-111214-1

Client Sample ID: LF4-FB-01-09-15-20

Date Collected: 09/15/20 12:45
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/30/20 20:46	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 20:46	1
Sulfate	<0.38		1.0	0.38	mg/L			09/30/20 20:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:33	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:33	1
Barium	<0.0016		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:33	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:33	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:33	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:33	1
Calcium	<0.13		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:33	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:33	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:33	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:33	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:33	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:33	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:33	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:33	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:33	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/22/20 10:25	1

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

Job ID: 180-111214-1

Client Sample ID: LF4-FB-02-09-15-20

Date Collected: 09/15/20 17:45
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/30/20 21:07	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 21:07	1
Sulfate	<0.38		1.0	0.38	mg/L			09/30/20 21:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:35	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:35	1
Barium	<0.0016		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:35	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:35	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:35	1
Calcium	<0.13		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:35	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:35	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:35	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:35	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:35	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:35	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:35	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:35	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/22/20 10:25	1

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

Job ID: 180-111214-1

Client Sample ID: LF4-FERB-01-09-16-20

Date Collected: 09/16/20 09:10
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-24

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/30/20 21:28	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 21:28	1
Sulfate	<0.38		1.0	0.38	mg/L			09/30/20 21:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:43	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:43	1
Barium	<0.0016		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:43	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:43	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:43	1
Calcium	<0.13		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:43	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:43	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:43	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:43	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:43	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:43	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/22/20 10:25	1

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

Job ID: 180-111214-1

Client Sample ID: LF4-FERB-02-09-16-20

Date Collected: 09/16/20 10:10
Date Received: 09/19/20 11:00

Lab Sample ID: 180-111214-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/30/20 21:49	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 21:49	1
Sulfate	<0.38		1.0	0.38	mg/L			09/30/20 21:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:46	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:46	1
Barium	<0.0016		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:46	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:46	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:46	1
Calcium	<0.13		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:46	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:46	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:46	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:46	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:46	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:46	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:46	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:46	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:46	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			09/22/20 10:30	1

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

Lab Sample ID: MB 180-331735/40
Matrix: Water
Analysis Batch: 331735

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/30/20 16:15	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 16:15	1
Sulfate	<0.38		1.0	0.38	mg/L			09/30/20 16:15	1

Lab Sample ID: LCS 180-331735/39
Matrix: Water
Analysis Batch: 331735

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	51.2		mg/L		102	90 - 110
Fluoride	2.50	2.66		mg/L		106	90 - 110
Sulfate	50.0	51.8		mg/L		104	90 - 110

Lab Sample ID: 180-111214-1 MS
Matrix: Water
Analysis Batch: 331735

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.1		50.0	54.3		mg/L		96	90 - 110
Fluoride	<0.026		2.50	2.52		mg/L		101	90 - 110
Sulfate	1.6		50.0	50.6		mg/L		98	90 - 110

Lab Sample ID: 180-111214-1 MSD
Matrix: Water
Analysis Batch: 331735

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.1		50.0	55.8		mg/L		99	90 - 110	3	20
Fluoride	<0.026		2.50	2.59		mg/L		104	90 - 110	3	20
Sulfate	1.6		50.0	52.5		mg/L		102	90 - 110	4	20

Lab Sample ID: 180-111214-11 MS
Matrix: Water
Analysis Batch: 331735

Client Sample ID: GWA-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.3		50.0	52.2		mg/L		96	90 - 110
Fluoride	<0.026		2.50	2.53		mg/L		101	90 - 110
Sulfate	1.1		50.0	50.3		mg/L		98	90 - 110

Lab Sample ID: 180-111214-11 MSD
Matrix: Water
Analysis Batch: 331735

Client Sample ID: GWA-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.3		50.0	51.7		mg/L		95	90 - 110	1	20
Fluoride	<0.026		2.50	2.48		mg/L		99	90 - 110	2	20
Sulfate	1.1		50.0	49.5		mg/L		97	90 - 110	2	20

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

Lab Sample ID: MB 180-331737/44
Matrix: Water
Analysis Batch: 331737

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			09/30/20 19:23	1
Fluoride	<0.026		0.10	0.026	mg/L			09/30/20 19:23	1
Sulfate	<0.38		1.0	0.38	mg/L			09/30/20 19:23	1

Lab Sample ID: LCS 180-331737/43
Matrix: Water
Analysis Batch: 331737

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.3		mg/L		99	90 - 110
Fluoride	2.50	2.45		mg/L		98	90 - 110
Sulfate	50.0	47.6		mg/L		95	90 - 110

Lab Sample ID: 180-111214-21 MS
Matrix: Water
Analysis Batch: 331737

Client Sample ID: LF4-DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	6.8		50.0	54.6		mg/L		96	90 - 110
Fluoride	0.098	J	2.50	2.58		mg/L		99	90 - 110
Sulfate	1.4		50.0	49.3		mg/L		96	90 - 110

Lab Sample ID: 180-111214-21 MSD
Matrix: Water
Analysis Batch: 331737

Client Sample ID: LF4-DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.8		50.0	53.6		mg/L		94	90 - 110	2	20
Fluoride	0.098	J	2.50	2.52		mg/L		97	90 - 110	2	20
Sulfate	1.4		50.0	48.3		mg/L		94	90 - 110	2	20

Lab Sample ID: MB 180-331906/49
Matrix: Water
Analysis Batch: 331906

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.32		1.0	0.32	mg/L			10/01/20 19:16	1
Fluoride	<0.026		0.10	0.026	mg/L			10/01/20 19:16	1
Sulfate	<0.38		1.0	0.38	mg/L			10/01/20 19:16	1

Lab Sample ID: LCS 180-331906/48
Matrix: Water
Analysis Batch: 331906

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.8		mg/L		100	90 - 110
Fluoride	2.50	2.43		mg/L		97	90 - 110
Sulfate	50.0	49.8		mg/L		100	90 - 110

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

Lab Sample ID: 180-111214-14 MS
Matrix: Water
Analysis Batch: 331906

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.3		50.0	51.2		mg/L		94	90 - 110
Fluoride	0.099	J	2.50	2.44		mg/L		94	90 - 110
Sulfate	<0.38		50.0	47.7		mg/L		95	90 - 110

Lab Sample ID: 180-111214-14 MSD
Matrix: Water
Analysis Batch: 331906

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.3		50.0	50.4		mg/L		92	90 - 110	2	20
Fluoride	0.099	J	2.50	2.42		mg/L		93	90 - 110	1	20
Sulfate	<0.38		50.0	46.7		mg/L		93	90 - 110	2	20

Lab Sample ID: 180-111214-20 MS
Matrix: Water
Analysis Batch: 331906

Client Sample ID: LF4-DUP-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.5		50.0	53.0		mg/L		97	90 - 110
Fluoride	0.49		2.50	2.92		mg/L		97	90 - 110
Sulfate	2.9		50.0	52.0		mg/L		98	90 - 110

Lab Sample ID: 180-111214-20 MSD
Matrix: Water
Analysis Batch: 331906

Client Sample ID: LF4-DUP-01
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		50.0	52.2		mg/L		95	90 - 110	2	20
Fluoride	0.49		2.50	2.88		mg/L		95	90 - 110	1	20
Sulfate	2.9		50.0	50.9		mg/L		96	90 - 110	2	20

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

Lab Sample ID: MB 180-331868/1-A
Matrix: Water
Analysis Batch: 333644

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:38	10/15/20 19:14	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:38	10/15/20 19:14	1
Barium	<0.0016		0.010	0.0016	mg/L		09/30/20 15:38	10/15/20 19:14	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:38	10/15/20 19:14	1
Boron	0.0416	J	0.080	0.039	mg/L		09/30/20 15:38	10/15/20 19:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:38	10/15/20 19:14	1
Calcium	<0.13		0.50	0.13	mg/L		09/30/20 15:38	10/15/20 19:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:38	10/15/20 19:14	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:38	10/15/20 19:14	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:38	10/15/20 19:14	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:38	10/15/20 19:14	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:38	10/15/20 19:14	1

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

Lab Sample ID: MB 180-331868/1-A
Matrix: Water
Analysis Batch: 333644

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:38	10/15/20 19:14	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:38	10/15/20 19:14	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:38	10/15/20 19:14	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:38	10/15/20 19:14	1

Lab Sample ID: MB 180-331868/1-A
Matrix: Water
Analysis Batch: 333782

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00034		0.0010	0.00034	mg/L		09/30/20 15:38	10/16/20 17:35	1

Lab Sample ID: LCS 180-331868/2-A
Matrix: Water
Analysis Batch: 333644

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.258		mg/L		103	80 - 120
Arsenic	1.00	0.967		mg/L		97	80 - 120
Barium	1.00	1.05		mg/L		105	80 - 120
Beryllium	0.500	0.540		mg/L		108	80 - 120
Boron	1.25	1.06		mg/L		85	80 - 120
Cadmium	0.500	0.478		mg/L		96	80 - 120
Calcium	25.0	25.6		mg/L		102	80 - 120
Chromium	0.500	0.481		mg/L		96	80 - 120
Cobalt	0.500	0.468		mg/L		94	80 - 120
Copper	0.500	0.465		mg/L		93	80 - 120
Lead	0.500	0.481		mg/L		96	80 - 120
Selenium	1.00	0.967		mg/L		97	80 - 120
Silver	0.250	0.239		mg/L		96	80 - 120
Thallium	1.00	0.943		mg/L		94	80 - 120
Vanadium	0.500	0.480		mg/L		96	80 - 120
Zinc	0.250	0.234		mg/L		94	80 - 120

Lab Sample ID: LCS 180-331868/2-A
Matrix: Water
Analysis Batch: 333782

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	0.500	0.494		mg/L		99	80 - 120

Lab Sample ID: 180-111214-1 MS
Matrix: Water
Analysis Batch: 333644

Client Sample ID: GWC-1
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.00038		0.250	0.257		mg/L		103	75 - 125
Arsenic	<0.00031		1.00	1.01		mg/L		101	75 - 125
Barium	0.038		1.00	1.10		mg/L		106	75 - 125
Beryllium	<0.00018		0.500	0.539		mg/L		108	75 - 125

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

Lab Sample ID: 180-111214-1 MS
Matrix: Water
Analysis Batch: 333644

Client Sample ID: GWC-1
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	<0.039		1.25	1.02		mg/L		82	75 - 125
Cadmium	<0.00022		0.500	0.477		mg/L		95	75 - 125
Calcium	1.3		25.0	27.3		mg/L		104	75 - 125
Chromium	<0.0015		0.500	0.483		mg/L		97	75 - 125
Cobalt	0.0014	J	0.500	0.484		mg/L		97	75 - 125
Copper	<0.00063		0.500	0.470		mg/L		94	75 - 125
Lead	<0.00013		0.500	0.482		mg/L		96	75 - 125
Selenium	<0.0015		1.00	0.978		mg/L		98	75 - 125
Silver	<0.00018		0.250	0.241		mg/L		96	75 - 125
Thallium	<0.00015		1.00	0.945		mg/L		95	75 - 125
Vanadium	<0.00099		0.500	0.486		mg/L		97	75 - 125
Zinc	0.0049	J	0.250	0.239		mg/L		94	75 - 125

Lab Sample ID: 180-111214-1 MS
Matrix: Water
Analysis Batch: 333782

Client Sample ID: GWC-1
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	0.0012		0.500	0.482		mg/L		96	75 - 125

Lab Sample ID: 180-111214-1 MSD
Matrix: Water
Analysis Batch: 333644

Client Sample ID: GWC-1
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.00038		0.250	0.256		mg/L		103	75 - 125	0	20
Arsenic	<0.00031		1.00	0.959		mg/L		96	75 - 125	5	20
Barium	0.038		1.00	1.11		mg/L		108	75 - 125	1	20
Beryllium	<0.00018		0.500	0.532		mg/L		106	75 - 125	1	20
Boron	<0.039		1.25	1.03		mg/L		82	75 - 125	1	20
Cadmium	<0.00022		0.500	0.485		mg/L		97	75 - 125	2	20
Calcium	1.3		25.0	27.2		mg/L		104	75 - 125	0	20
Chromium	<0.0015		0.500	0.478		mg/L		96	75 - 125	1	20
Cobalt	0.0014	J	0.500	0.465		mg/L		93	75 - 125	4	20
Copper	<0.00063		0.500	0.466		mg/L		93	75 - 125	1	20
Lead	<0.00013		0.500	0.477		mg/L		95	75 - 125	1	20
Selenium	<0.0015		1.00	0.968		mg/L		97	75 - 125	1	20
Silver	<0.00018		0.250	0.234		mg/L		94	75 - 125	3	20
Thallium	<0.00015		1.00	0.933		mg/L		93	75 - 125	1	20
Vanadium	<0.00099		0.500	0.479		mg/L		96	75 - 125	1	20
Zinc	0.0049	J	0.250	0.234		mg/L		92	75 - 125	2	20

Lab Sample ID: 180-111214-1 MSD
Matrix: Water
Analysis Batch: 333782

Client Sample ID: GWC-1
Prep Type: Total Recoverable
Prep Batch: 331868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nickel	0.0012		0.500	0.492		mg/L		98	75 - 125	2	20

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

Lab Sample ID: MB 180-331870/1-A
Matrix: Water
Analysis Batch: 333779

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 331870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00038		0.0020	0.00038	mg/L		09/30/20 15:41	10/16/20 15:12	1
Arsenic	<0.00031		0.0010	0.00031	mg/L		09/30/20 15:41	10/16/20 15:12	1
Barium	<0.0016		0.010	0.0016	mg/L		09/30/20 15:41	10/16/20 15:12	1
Beryllium	<0.00018		0.0025	0.00018	mg/L		09/30/20 15:41	10/16/20 15:12	1
Boron	<0.039		0.080	0.039	mg/L		09/30/20 15:41	10/16/20 15:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		09/30/20 15:41	10/16/20 15:12	1
Calcium	<0.13		0.50	0.13	mg/L		09/30/20 15:41	10/16/20 15:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		09/30/20 15:41	10/16/20 15:12	1
Cobalt	<0.00013		0.0025	0.00013	mg/L		09/30/20 15:41	10/16/20 15:12	1
Copper	<0.00063		0.0020	0.00063	mg/L		09/30/20 15:41	10/16/20 15:12	1
Lead	<0.00013		0.0010	0.00013	mg/L		09/30/20 15:41	10/16/20 15:12	1
Nickel	<0.00034		0.0010	0.00034	mg/L		09/30/20 15:41	10/16/20 15:12	1
Selenium	<0.0015		0.0050	0.0015	mg/L		09/30/20 15:41	10/16/20 15:12	1
Silver	<0.00018		0.0010	0.00018	mg/L		09/30/20 15:41	10/16/20 15:12	1
Thallium	<0.00015		0.0010	0.00015	mg/L		09/30/20 15:41	10/16/20 15:12	1
Vanadium	<0.00099		0.0010	0.00099	mg/L		09/30/20 15:41	10/16/20 15:12	1
Zinc	<0.0032		0.0050	0.0032	mg/L		09/30/20 15:41	10/16/20 15:12	1

Lab Sample ID: LCS 180-331870/2-A
Matrix: Water
Analysis Batch: 333779

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 331870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.259		mg/L		104	80 - 120
Arsenic	1.00	0.953		mg/L		95	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.524		mg/L		105	80 - 120
Boron	1.25	1.08		mg/L		86	80 - 120
Cadmium	0.500	0.501		mg/L		100	80 - 120
Calcium	25.0	27.0		mg/L		108	80 - 120
Chromium	0.500	0.484		mg/L		97	80 - 120
Cobalt	0.500	0.458		mg/L		92	80 - 120
Copper	0.500	0.454		mg/L		91	80 - 120
Lead	0.500	0.479		mg/L		96	80 - 120
Nickel	0.500	0.463		mg/L		93	80 - 120
Selenium	1.00	0.960		mg/L		96	80 - 120
Silver	0.250	0.231		mg/L		93	80 - 120
Thallium	1.00	0.954		mg/L		95	80 - 120
Vanadium	0.500	0.489		mg/L		98	80 - 120
Zinc	0.250	0.224		mg/L		90	80 - 120

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

Lab Sample ID: MB 180-330737/2
Matrix: Water
Analysis Batch: 330737

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			09/22/20 08:23	1

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

Lab Sample ID: LCS 180-330737/1
Matrix: Water
Analysis Batch: 330737

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			632	684		mg/L		108	80 - 120		

Lab Sample ID: MB 180-330784/2
Matrix: Water
Analysis Batch: 330784

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			09/22/20 10:25	1

Lab Sample ID: LCS 180-330784/1
Matrix: Water
Analysis Batch: 330784

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			632	576		mg/L		91	80 - 120		

Lab Sample ID: 180-111214-7 DU
Matrix: Water
Analysis Batch: 330784

Client Sample ID: GWC-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	140			138		mg/L				4	10

Lab Sample ID: 180-111214-8 DU
Matrix: Water
Analysis Batch: 330784

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

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	82			85.0		mg/L				4	10

Lab Sample ID: MB 180-330785/2
Matrix: Water
Analysis Batch: 330785

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			09/22/20 10:30	1

Lab Sample ID: LCS 180-330785/1
Matrix: Water
Analysis Batch: 330785

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			632	666		mg/L		105	80 - 120		

HPLC/IC

Analysis Batch: 331735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-1	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-111214-2	GWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-111214-3	GWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-111214-4	GWC-4A	Total/NA	Water	EPA 300.0 R2.1	
180-111214-5	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-111214-6	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-111214-7	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-111214-8	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-111214-9	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-111214-10	GWA-13	Total/NA	Water	EPA 300.0 R2.1	
180-111214-11	GWA-14	Total/NA	Water	EPA 300.0 R2.1	
180-111214-12	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
MB 180-331735/40	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-331735/39	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-111214-1 MS	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-111214-1 MSD	GWC-1	Total/NA	Water	EPA 300.0 R2.1	
180-111214-11 MS	GWA-14	Total/NA	Water	EPA 300.0 R2.1	
180-111214-11 MSD	GWA-14	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 331737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-21	LF4-DUP-02	Total/NA	Water	EPA 300.0 R2.1	
180-111214-22	LF4-FB-01-09-15-20	Total/NA	Water	EPA 300.0 R2.1	
180-111214-23	LF4-FB-02-09-15-20	Total/NA	Water	EPA 300.0 R2.1	
180-111214-24	LF4-FERB-01-09-16-20	Total/NA	Water	EPA 300.0 R2.1	
180-111214-25	LF4-FERB-02-09-16-20	Total/NA	Water	EPA 300.0 R2.1	
MB 180-331737/44	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-331737/43	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-111214-21 MS	LF4-DUP-02	Total/NA	Water	EPA 300.0 R2.1	
180-111214-21 MSD	LF4-DUP-02	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 331906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-13	GWA-16	Total/NA	Water	EPA 300.0 R2.1	
180-111214-14	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-111214-15	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-111214-16	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-111214-17	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-111214-18	GWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-111214-19	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-111214-20	LF4-DUP-01	Total/NA	Water	EPA 300.0 R2.1	
MB 180-331906/49	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-331906/48	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-111214-14 MS	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-111214-14 MSD	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-111214-20 MS	LF4-DUP-01	Total/NA	Water	EPA 300.0 R2.1	
180-111214-20 MSD	LF4-DUP-01	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 331868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-1	GWC-1	Total Recoverable	Water	3005A	
180-111214-2	GWA-2	Total Recoverable	Water	3005A	
180-111214-3	GWA-3	Total Recoverable	Water	3005A	
180-111214-4	GWC-4A	Total Recoverable	Water	3005A	
180-111214-5	GWC-5	Total Recoverable	Water	3005A	
180-111214-6	GWC-9	Total Recoverable	Water	3005A	
180-111214-7	GWC-10	Total Recoverable	Water	3005A	
180-111214-8	GWC-11	Total Recoverable	Water	3005A	
180-111214-9	GWC-12	Total Recoverable	Water	3005A	
180-111214-10	GWA-13	Total Recoverable	Water	3005A	
180-111214-11	GWA-14	Total Recoverable	Water	3005A	
180-111214-12	GWC-15	Total Recoverable	Water	3005A	
180-111214-13	GWA-16	Total Recoverable	Water	3005A	
180-111214-14	GWC-17	Total Recoverable	Water	3005A	
180-111214-15	GWC-18	Total Recoverable	Water	3005A	
MB 180-331868/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-331868/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-111214-1 MS	GWC-1	Total Recoverable	Water	3005A	
180-111214-1 MSD	GWC-1	Total Recoverable	Water	3005A	

Prep Batch: 331870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-16	GWC-19	Total Recoverable	Water	3005A	
180-111214-17	GWC-20	Total Recoverable	Water	3005A	
180-111214-18	GWC-21	Total Recoverable	Water	3005A	
180-111214-19	GWC-23	Total Recoverable	Water	3005A	
180-111214-20	LF4-DUP-01	Total Recoverable	Water	3005A	
180-111214-21	LF4-DUP-02	Total Recoverable	Water	3005A	
180-111214-22	LF4-FB-01-09-15-20	Total Recoverable	Water	3005A	
180-111214-23	LF4-FB-02-09-15-20	Total Recoverable	Water	3005A	
180-111214-24	LF4-FERB-01-09-16-20	Total Recoverable	Water	3005A	
180-111214-25	LF4-FERB-02-09-16-20	Total Recoverable	Water	3005A	
MB 180-331870/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-331870/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 333644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-1	GWC-1	Total Recoverable	Water	EPA 6020B	331868
180-111214-2	GWA-2	Total Recoverable	Water	EPA 6020B	331868
180-111214-3	GWA-3	Total Recoverable	Water	EPA 6020B	331868
180-111214-4	GWC-4A	Total Recoverable	Water	EPA 6020B	331868
180-111214-5	GWC-5	Total Recoverable	Water	EPA 6020B	331868
180-111214-6	GWC-9	Total Recoverable	Water	EPA 6020B	331868
180-111214-7	GWC-10	Total Recoverable	Water	EPA 6020B	331868
180-111214-8	GWC-11	Total Recoverable	Water	EPA 6020B	331868
180-111214-9	GWC-12	Total Recoverable	Water	EPA 6020B	331868
180-111214-10	GWA-13	Total Recoverable	Water	EPA 6020B	331868
180-111214-11	GWA-14	Total Recoverable	Water	EPA 6020B	331868
180-111214-12	GWC-15	Total Recoverable	Water	EPA 6020B	331868
180-111214-13	GWA-16	Total Recoverable	Water	EPA 6020B	331868
180-111214-14	GWC-17	Total Recoverable	Water	EPA 6020B	331868

Metals (Continued)

Analysis Batch: 333644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-15	GWC-18	Total Recoverable	Water	EPA 6020B	331868
MB 180-331868/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331868
LCS 180-331868/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331868
180-111214-1 MS	GWC-1	Total Recoverable	Water	EPA 6020B	331868
180-111214-1 MSD	GWC-1	Total Recoverable	Water	EPA 6020B	331868

Analysis Batch: 333779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-16	GWC-19	Total Recoverable	Water	EPA 6020B	331870
180-111214-17	GWC-20	Total Recoverable	Water	EPA 6020B	331870
180-111214-18	GWC-21	Total Recoverable	Water	EPA 6020B	331870
180-111214-19	GWC-23	Total Recoverable	Water	EPA 6020B	331870
180-111214-20	LF4-DUP-01	Total Recoverable	Water	EPA 6020B	331870
180-111214-21	LF4-DUP-02	Total Recoverable	Water	EPA 6020B	331870
180-111214-22	LF4-FB-01-09-15-20	Total Recoverable	Water	EPA 6020B	331870
180-111214-23	LF4-FB-02-09-15-20	Total Recoverable	Water	EPA 6020B	331870
180-111214-24	LF4-FERB-01-09-16-20	Total Recoverable	Water	EPA 6020B	331870
180-111214-25	LF4-FERB-02-09-16-20	Total Recoverable	Water	EPA 6020B	331870
MB 180-331870/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331870
LCS 180-331870/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331870

Analysis Batch: 333782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-1	GWC-1	Total Recoverable	Water	EPA 6020B	331868
180-111214-2	GWA-2	Total Recoverable	Water	EPA 6020B	331868
180-111214-3	GWA-3	Total Recoverable	Water	EPA 6020B	331868
180-111214-4	GWC-4A	Total Recoverable	Water	EPA 6020B	331868
180-111214-5	GWC-5	Total Recoverable	Water	EPA 6020B	331868
180-111214-6	GWC-9	Total Recoverable	Water	EPA 6020B	331868
180-111214-7	GWC-10	Total Recoverable	Water	EPA 6020B	331868
180-111214-8	GWC-11	Total Recoverable	Water	EPA 6020B	331868
180-111214-9	GWC-12	Total Recoverable	Water	EPA 6020B	331868
180-111214-10	GWA-13	Total Recoverable	Water	EPA 6020B	331868
180-111214-11	GWA-14	Total Recoverable	Water	EPA 6020B	331868
180-111214-12	GWC-15	Total Recoverable	Water	EPA 6020B	331868
180-111214-13	GWA-16	Total Recoverable	Water	EPA 6020B	331868
180-111214-14	GWC-17	Total Recoverable	Water	EPA 6020B	331868
180-111214-15	GWC-18	Total Recoverable	Water	EPA 6020B	331868
MB 180-331868/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	331868
LCS 180-331868/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	331868
180-111214-1 MS	GWC-1	Total Recoverable	Water	EPA 6020B	331868
180-111214-1 MSD	GWC-1	Total Recoverable	Water	EPA 6020B	331868

Analysis Batch: 334010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-2	GWA-2	Total Recoverable	Water	EPA 6020B	331868

General Chemistry

Analysis Batch: 330737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-1	GWC-1	Total/NA	Water	SM 2540C	
180-111214-2	GWA-2	Total/NA	Water	SM 2540C	
180-111214-3	GWA-3	Total/NA	Water	SM 2540C	
180-111214-4	GWC-4A	Total/NA	Water	SM 2540C	
MB 180-330737/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-330737/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 330784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-5	GWC-5	Total/NA	Water	SM 2540C	
180-111214-6	GWC-9	Total/NA	Water	SM 2540C	
180-111214-7	GWC-10	Total/NA	Water	SM 2540C	
180-111214-8	GWC-11	Total/NA	Water	SM 2540C	
180-111214-9	GWC-12	Total/NA	Water	SM 2540C	
180-111214-10	GWA-13	Total/NA	Water	SM 2540C	
180-111214-11	GWA-14	Total/NA	Water	SM 2540C	
180-111214-12	GWC-15	Total/NA	Water	SM 2540C	
180-111214-13	GWA-16	Total/NA	Water	SM 2540C	
180-111214-14	GWC-17	Total/NA	Water	SM 2540C	
180-111214-15	GWC-18	Total/NA	Water	SM 2540C	
180-111214-16	GWC-19	Total/NA	Water	SM 2540C	
180-111214-17	GWC-20	Total/NA	Water	SM 2540C	
180-111214-18	GWC-21	Total/NA	Water	SM 2540C	
180-111214-19	GWC-23	Total/NA	Water	SM 2540C	
180-111214-20	LF4-DUP-01	Total/NA	Water	SM 2540C	
180-111214-21	LF4-DUP-02	Total/NA	Water	SM 2540C	
180-111214-22	LF4-FB-01-09-15-20	Total/NA	Water	SM 2540C	
180-111214-23	LF4-FB-02-09-15-20	Total/NA	Water	SM 2540C	
180-111214-24	LF4-FERB-01-09-16-20	Total/NA	Water	SM 2540C	
MB 180-330784/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-330784/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-111214-7 DU	GWC-10	Total/NA	Water	SM 2540C	
180-111214-8 DU	GWC-11	Total/NA	Water	SM 2540C	

Analysis Batch: 330785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-25	LF4-FERB-02-09-16-20	Total/NA	Water	SM 2540C	
MB 180-330785/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-330785/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 330618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-1	GWC-1	Total/NA	Water	Field Sampling	
180-111214-2	GWA-2	Total/NA	Water	Field Sampling	
180-111214-3	GWA-3	Total/NA	Water	Field Sampling	
180-111214-4	GWC-4A	Total/NA	Water	Field Sampling	
180-111214-5	GWC-5	Total/NA	Water	Field Sampling	
180-111214-6	GWC-9	Total/NA	Water	Field Sampling	
180-111214-7	GWC-10	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab (Continued)

Analysis Batch: 330618 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-111214-8	GWC-11	Total/NA	Water	Field Sampling	
180-111214-9	GWC-12	Total/NA	Water	Field Sampling	
180-111214-10	GWA-13	Total/NA	Water	Field Sampling	
180-111214-11	GWA-14	Total/NA	Water	Field Sampling	
180-111214-12	GWC-15	Total/NA	Water	Field Sampling	
180-111214-13	GWA-16	Total/NA	Water	Field Sampling	
180-111214-14	GWC-17	Total/NA	Water	Field Sampling	
180-111214-15	GWC-18	Total/NA	Water	Field Sampling	
180-111214-16	GWC-19	Total/NA	Water	Field Sampling	
180-111214-17	GWC-20	Total/NA	Water	Field Sampling	
180-111214-18	GWC-21	Total/NA	Water	Field Sampling	
180-111214-19	GWC-23	Total/NA	Water	Field Sampling	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: R.Walker / T.Goble / A.Schnitker	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: shali.brown@eurofinset.com		Page: 1 of 3
Company: GA Power		Analysis Requested		Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	PO #: SCS10362606			
Email: SCS Contacts	WO #:			
Project Name: Plant McIntosh Landfill #4	Project #: 18019955			
Site: Georgia	SSOW#:			

180-111214 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III Metals: B,Ca	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Custom State 15 Permit Metals (EPA 6020): Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Ni,Se,Ag,Tl,V,Zn	Total N	Special Instructions/Note:
			Preservation Code:				D	N	D		
GWC-1	9-15-20	1733	G	W	N	N	✓	✓	✓	2	pH = 4.76
GWA-2	9-15-20	1004	G	W	N	N	✓	✓	✓	2	pH = 4.52
GWA-3	9-15-20	1135	G	W	N	N	✓	✓	✓	2	pH = 4.72
GWC-4A	9-16-20	0959	G	W	N	N	✓	✓	✓	2	pH = 4.87
GWC-5	9-15-20	1721	G	W	N	N	✓	✓	✓	2	pH = 5.27
GWC-9	9-16-20	1100	G	W	N	N	✓	✓	✓	2	pH = 4.74
GWC-10	9-15-20	1405	G	W	N	N	✓	✓	✓	2	pH = 6.66
GWC-11	9-15-20	1623	G	W	N	N	✓	✓	✓	2	pH = 6.62
GWC-12	9-16-20	1313	G	W	N	N	✓	✓	✓	2	pH = 4.91
GWA-13	9-15-20	1010	G	W	N	N	✓	✓	✓	2	pH = 5.07
GWA-14	9-15-20	1118	G	W	N	N	✓	✓	✓	2	pH = 5.83

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
	9/18/20 1011	ACC		9-18-20 1011	
	9-18-20 1011			9-19-20	ETAPitt
				11:00	

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

Ver: 8/8/2019

244- ATLANTA

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: R. Walker / T. Goble / A Schaitkes	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: shali.brown@eurofinset.com		Page: 2 of 3
Company: GA Power				Job #:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	PO #: SCS10382606			
Email: SCS Contacts	WO #:			
Project Name: Plant McIntosh Landfill #4	Project #: 18019955			
Site: Georgia	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III Metals: B,Ca	Cl, F, SO4 & TDS (EPA 300.0 & SM 2540C)	Custom State 15 Permit Metals (EPA 6020): Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Ni,Se,Ag,Tl,V,Zn	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	D		
GWC-15	9-15-20	1030	G	W	N	N	✓	✓	✓	2	pH = 4.92
GWA-16	9-15-20	1155	G	W	N	N	✓	✓	✓	2	pH = 5.02
GWC-17	9-15-20	1235	G	W	N	N	✓	✓	✓	2	pH = 5.29
GWC-18	9-15-20	1431	G	W	N	N	✓	✓	✓	2	pH = 6.13
GWC-19	9-16-20	1158	G	W	N	N	✓	✓	✓	2	pH = 5.43
GWC-20	9-15-20	1551	G	W	N	N	✓	✓	✓	2	pH = 4.96
GWC-21	9-15-20	1755	G	W	N	N	✓	✓	✓	2	pH = 4.86
GWC-23	9-15-20	1620	G	W	N	N	✓	✓	✓	2	pH = 5.18
LF4-DUP-01	9-15-20	—	G	W	N	N	✓	✓	✓	2	pH =
LF4-DUP-02	9-16-20	—	G	W	N	N	✓	✓	✓	2	pH =
LF4-FB-01-09-15-20	9-15-20	1245	G	W	N	N	✓	✓	✓	2	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements: State Permit Metals: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, zinc

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9/18/20 1011	Acc	[signature]	9/18-20 1011	
[signature]	9-18-20 1011		[signature]	9-19-20	ETAPH
				11:00	

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

Ver: 8/8/2019

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10/27/2020

244- ATLANTA eurofins Environment Testing America

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

Chain of Custody Record

Client Information			
Client Contact: SCS Contacts	Sampler: R. Walker / T. Goble / A. Schnitker	Lab PM: Brown, Shali	Carrier Tracking No(s):
Company: GA Power	Phone: 770-594-5998	E-Mail: shali.brown@eurofinset.com	COC No:
Address: 241 Ralph McGill Blvd SE	Due Date Requested:		Page: 3 of 3
City: Atlanta	TAT Requested (days):		Job #:
State, Zip: GA, 30308			
Phone: 404-506-7116(Tel)	PO #: SCS10382606		
Email: SCS Contacts	WO #:		
Project Name: Plant McIntosh Landfill #4	Project #: 18019955		
Site: Georgia	SSOW#:		

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III Metals: B,Ca	Cl, F, SO4 & TDS (EPA 300.0 & SM 2540C)	Custom State 15 Permit Metals (EPA 6020): Sb,As,Ba,Be,Cd,Cr,Co,Cu,Pb,Ni,Se,Ag,Tl,V,Zn	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	D		
LF4-FB-02-09-15-20	9-15-20	1745	G	W	N	N	✓	✓	✓	2	pH =
LF4-FERB-01-09-16-20	9-16-20	0910	G	W	N	N	✓	✓	✓	2	pH =
LF4-FERB-02-09-16-20	9-16-20	1010	G	W	N	N	✓	✓	✓	2	pH =
											pH =
											pH =
											pH = Last COC
											pH = of project.
											pH =
											pH =
											pH =

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* ________ *Months*

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

Special Instructions/QC Requirements: State Permit Metals: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, zinc

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	9/18/20	Acc	[signature]		
[signature]	9-18-20 1011		[signature]	9-19-20	ETA Pitt
				1100	

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

Ver: 8/8/2019

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-111214-1

Login Number: 111214
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

LEVEL 2A LABORATORY DATA VALIDATIONS

McIntosh Existing Landfill No. 4

2nd Semiannual Event

September 2020

Georgia Power Company – McIntosh Landfill 4

Quality Control Review of Analytical Data – September 2020

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins TestAmerica, Pittsburgh for groundwater samples collected at McIntosh LF4 between September 15, 2020 and September 16, 2020. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix.

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

Data were reviewed in accordance with the US EPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[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 (COCs) were reviewed. Where there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were met, with the exceptions of Fluoride on GWC-19 (180-111214-16) as described in the qualifications section below.

Accuracy: Laboratory goals for accuracy were met.

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

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

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample

U: The analyte was not detected above the method detection limit

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. The applied qualifications may not have been required for all samples collected at the site. A summary of sample qualifications can be found in Table 2 of this Appendix.

- Samples GWC-19 (180-111214-16) and LF4-DUP-02 (180-111214-21) were qualified as estimated (J) for Fluoride as the field relative percent difference (RPD) exceeded QC criteria (25.29% above the limit of 25).

- Certain Boron results in SDG 180-111214 were qualified as non-detect (U) due to the analyte(s) being detected at a similar concentration in an associated blank sample. As shown in Table 2, when the original sample result was below the RL, the method detection limit (MDL) was raised to the sample result as part of the qualification process.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from McIntosh LF4 sampled between September 15, 2020 and September 16, 2020 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

[1]USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy, Revision 2.0

[2]USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0

TABLE 1

Georgia Power Company – McIntosh LF4

Sample Summary Table – September 2020

						Analyses		
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B)	Anions (300.0)	TDS (SM 2540C)
111214	GWC-1	9/15/2020	180-111214-1	GW		X	X	X
111214	GWA-2	9/15/2020	180-111214-2	GW		X	X	X
111214	GWA-3	9/15/2020	180-111214-3	GW		X	X	X
111214	GWC-4A	9/16/2020	180-111214-4	GW		X	X	X
111214	GWC-5	9/15/2020	180-111214-5	GW		X	X	X
111214	GWC-9	9/16/2020	180-111214-6	GW		X	X	X
111214	GWC-10	9/15/2020	180-111214-7	GW		X	X	X
111214	GWC-11	9/15/2020	180-111214-8	GW		X	X	X
111214	GWC-12	9/16/2020	180-111214-9	GW		X	X	X
111214	GWA-13	9/15/2020	180-111214-10	GW		X	X	X
111214	GWA-14	9/15/2020	180-111214-11	GW		X	X	X
111214	GWC-15	9/15/2020	180-111214-12	GW		X	X	X
111214	GWA-16	9/15/2020	180-111214-13	GW		X	X	X
111214	GWC-17	9/15/2020	180-111214-14	GW		X	X	X
111214	GWC-18	9/15/2020	180-111214-15	GW		X	X	X
111214	GWC-19	9/16/2020	180-111214-16	GW		X	X	X
111214	GWC-20	9/15/2020	180-111214-17	GW		X	X	X
111214	GWC-21	9/15/2020	180-111214-18	GW		X	X	X
111214	GWC-23	9/15/2020	180-111214-19	GW		X	X	X
111214	LF4-DUP-01	9/15/2020	180-111214-20	GW	FD (GWC-18)	X	X	X
111214	LF4-DUP-02	9/16/2020	180-111214-21	GW	FD (GWC-19)	X	X	X
111214	LF4-FB-01-09-15-20	9/15/2020	180-111214-22	WQ	FB	X	X	X
111214	LF4-FB-02-09-15-20	9/15/2020	180-111214-23	WQ	FB	X	X	X
111214	LF4-FERB-01-09-16-20	9/16/2020	180-111214-24	WQ	EB	X	X	X
111214	LF4-FERB-02-09-16-20	9/16/2020	180-111214-25	WQ	EB	X	X	X

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

TABLE 2

Georgia Power Company – McIntosh LF4

Qualifier Summary Table – September 2020

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
111214	GWC-19	Fluoride			J	RPD exceeds field goal
111214	LF4-DUP-02	Fluoride			J	RPD exceeds field goal
111214	GWA-3	Boron		0.061	U	Blank detection
111214	GWC-4A	Boron		0.056	U	Blank detection
111214	GWC-5	Boron		0.047	U	Blank detection
111214	GWC-9	Boron		0.042	U	Blank detection
111214	GWC-10	Boron		0.062	U	Blank detection

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

Qualifiers:
J – Estimated Result
U – Non-Detect Result

Product Name: Low-Flow System

Date: 2020-09-15 17:34:11

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	28 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	23 ft

Well Information:		Pumping Information:	
Well ID	GWC-1	Final Pumping Rate	120 mL/min
Well diameter	2 in	Total System Volume	0.2232442 L
Well Total Depth	28.50 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	15.43 ft	Total Volume Pumped	3.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	17:13:30	900.04	23.00	4.88	48.24	10.50	15.60	1.97	106.76
Last 5	17:18:30	1200.04	22.93	4.82	48.41	4.80	15.60	2.05	108.33
Last 5	17:23:30	1500.03	22.97	4.79	48.57	4.14	15.60	2.08	110.79
Last 5	17:28:30	1800.03	22.97	4.78	48.54	3.09	15.60	2.07	113.15
Last 5	17:33:30	2100.04	23.01	4.76	48.45	2.96	15.60	2.10	115.41
Variance 0			0.05	-0.03	0.16			0.03	2.46
Variance 1			-0.00	-0.02	-0.02			-0.01	2.36
Variance 2			0.05	-0.01	-0.09			0.03	2.25

Notes

Sampled at 17:33. Cloudy, 80’s.

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 10:04:58

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	32 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	23 ft

Well Information:		Pumping Information:	
Well ID	GWA-2	Final Pumping Rate	100 mL/min
Well diameter	2 in	Total System Volume	0.229422 L
Well Total Depth	28.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	16.98 ft	Total Volume Pumped	3.3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	09:44:15	600.03	22.99	4.50	39.81	1.04	17.00	3.70	81.36
Last 5	09:49:15	900.03	23.12	4.50	39.86	0.74	17.00	3.67	79.61
Last 5	09:54:15	1200.03	23.19	4.49	39.93	0.37	17.10	3.62	78.78
Last 5	09:59:15	1500.03	23.11	4.47	39.91	0.23	17.10	3.65	78.68
Last 5	10:04:15	1800.03	23.01	4.52	40.00	0.39	17.10	3.65	75.88
Variance 0			0.08	-0.01	0.07			-0.04	-0.83
Variance 1			-0.09	-0.02	-0.01			0.03	-0.11
Variance 2			-0.09	0.05	0.09			-0.00	-2.80

Notes

Cloudy, 80’s.

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 11:36:43

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	38 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	33 ft

Well Information:		Pumping Information:	
Well ID	GWA-3	Final Pumping Rate	80 mL/min
Well diameter	2 in	Total System Volume	0.2386886 L
Well Total Depth	38.50 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	37 in
Depth to Water	21.42 ft	Total Volume Pumped	5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	11:15:36	2403.03	23.59	4.72	30.92	0.51	24.20	4.72	88.82
Last 5	11:20:36	2703.04	23.73	4.74	31.00	0.43	24.30	4.69	89.92
Last 5	11:25:42	3009.04	24.07	4.74	30.85	0.41	24.40	4.64	91.42
Last 5	11:30:42	3309.04	24.41	4.74	30.94	0.53	24.50	4.61	93.29
Last 5	11:35:42	3609.04	24.91	4.74	30.86	0.27	24.60	4.56	94.85
Variance 0			0.34	0.00	-0.15			-0.05	1.50
Variance 1			0.34	0.00	0.08			-0.03	1.87
Variance 2			0.50	-0.00	-0.07			-0.05	1.56

Notes

Cloudy, 80’s.

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-16 10:00:45

Project Information:		Pump Information:	
Operator Name	Taylor Goble	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	39.07 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	463068		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	34.07 ft

Well Information:		Pumping Information:	
Well ID	GWC-4A	Final Pumping Rate	120 mL/min
Well diameter	2 in	Total System Volume	0.2232442 L
Well Total Depth	39.07 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	25.46 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 25
Last 5	09:39:11	1499.98	19.46	4.87	38.82	1.34	25.57	4.38	-12.16
Last 5	09:44:11	1799.97	19.47	4.86	36.78	1.18	25.60	4.53	-11.38
Last 5	09:49:11	2099.96	19.50	4.84	35.34	0.88	25.63	4.71	-6.90
Last 5	09:54:11	2399.95	19.46	4.87	34.71	0.75	25.66	4.82	-6.16
Last 5	09:59:11	2699.94	19.48	4.87	34.06	0.70	25.68	4.77	-1.44
Variance 0			0.03	-0.02	-1.44			0.18	4.47
Variance 1			-0.04	0.03	-0.64			0.11	0.74
Variance 2			0.03	-0.00	-0.65			-0.06	4.72

Notes

Sampled at 0959. Cloudy 70 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 17:23:31

Project Information:		Pump Information:	
Operator Name	Taylor Goble	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	40.84 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	463068		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	35.84 ft

Well Information:		Pumping Information:	
Well ID	GWC-5	Final Pumping Rate	100 mL/min
Well diameter	2 in	Total System Volume	0.2232442 L
Well Total Depth	40.84 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	24.26 ft	Total Volume Pumped	5.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 25
Last 5	17:02:03	2099.96	21.10	5.13	28.13	2.87	24.40	5.60	48.58
Last 5	17:07:04	2400.95	21.00	5.20	29.21	2.22	24.40	5.72	48.59
Last 5	17:12:04	2700.94	20.93	5.17	29.92	2.27	24.40	5.71	52.78
Last 5	17:17:06	3002.93	20.76	5.22	31.18	2.21	24.40	5.63	54.06
Last 5	17:22:06	3302.92	20.71	5.27	32.09	2.08	24.40	5.62	54.48
Variance 0			-0.07	-0.03	0.71			-0.01	4.19
Variance 1			-0.16	0.05	1.26			-0.08	1.28
Variance 2			-0.05	0.06	0.91			-0.01	0.41

Notes

Sampled at 1721. Cloudy 81 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-16 10:59:06

Project Information:		Pump Information:	
Operator Name	Anna Schnittker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	Poly
Project Name	McIntosh LF4	Tubing Diameter	.1 in
Site Name	McIntosh LF4	Tubing Length	38 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	Hach2100Q	Pump placement from TOC	33 ft

Well Information:		Pumping Information:	
Well ID	GWC-9	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.2386886 L
Well Total Depth	38.5 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	29.0 ft	Total Volume Pumped	17.3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:37:23	4199.95	21.86	4.74	48.92	1.50	29.20	7.35	108.46
Last 5	10:42:23	4499.94	21.86	4.74	48.31	1.40	29.20	7.21	109.25
Last 5	10:47:25	4801.97	21.74	4.73	49.19	1.10	29.20	7.27	110.33
Last 5	10:52:25	5101.95	21.73	4.74	49.19	0.90	29.20	7.22	110.02
Last 5	10:57:25	5401.92	21.73	4.74	48.65	0.60	29.20	7.48	111.20
Variance 0			-0.12	-0.01	0.88			0.05	1.08
Variance 1			-0.01	0.02	-0.00			-0.04	-0.31
Variance 2			-0.00	0.00	-0.54			0.26	1.18

Notes

Sample time: 1100. Cloudy 80s. EB-1 poured here

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 14:00:23

Project Information:		Pump Information:	
Operator Name	Anna Schnittker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	Poly
Project Name	McIntosh LF4	Tubing Diameter	.1 in
Site Name	McIntosh LF4	Tubing Length	35 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	Hach2100Q	Pump placement from TOC	28 ft

Well Information:		Pumping Information:	
Well ID	GWC-10	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.2340553 L
Well Total Depth	33.50 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	24.73 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 1	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:36:50	600.02	24.03	6.71	296.75	2.70	24.80	1.05	68.65
Last 5	13:41:50	900.00	24.22	6.69	293.58	1.30	24.80	1.11	68.30
Last 5	13:46:50	1200.01	24.44	6.69	290.02	1.30	24.80	1.18	66.68
Last 5	13:51:50	1500.01	24.51	6.68	285.18	1.20	24.80	1.27	65.95
Last 5	13:56:53	1802.99	24.48	6.66	282.49	1.20	24.80	1.29	65.50
Variance 0			0.22	0.00	-3.56			0.07	-1.62
Variance 1			0.07	-0.01	-4.83			0.09	-0.74
Variance 2			-0.03	-0.02	-2.69			0.01	-0.44

Notes

Sample time: 1405. Cloudy 80s

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 16:24:22

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	QED Bladder
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	43 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	38 ft

Well Information:		Pumping Information:	
Well ID	GWC-11	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.4564108 L
Well Total Depth	43.50 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	33.25 ft	Total Volume Pumped	6.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	16:03:38	1500.04	21.91	6.68	136.64	4.02	33.30	2.03	83.00
Last 5	16:08:38	1800.04	21.88	6.62	137.95	3.35	33.30	1.99	82.58
Last 5	16:13:38	2100.04	21.74	6.64	137.38	2.87	33.30	1.94	83.58
Last 5	16:18:38	2400.04	21.65	6.61	135.57	2.61	33.30	1.95	84.94
Last 5	16:23:38	2700.04	21.63	6.62	133.78	1.94	33.30	1.97	83.38
Variance 0			-0.14	0.02	-0.56			-0.05	1.01
Variance 1			-0.09	-0.03	-1.81			0.01	1.35
Variance 2			-0.02	0.01	-1.79			0.02	-1.56

Notes

Sampled at 16:23. Cloudy, 80’s.

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-16 13:14:18

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	41 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	36 ft

Well Information:		Pumping Information:	
Well ID	GWC-12	Final Pumping Rate	120 mL/min
Well diameter	2 in	Total System Volume	0.2433219 L
Well Total Depth	41.50 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	27.28 ft	Total Volume Pumped	3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	12:53:39	600.03	21.89	4.97	24.89	0.43	27.40	6.23	115.60
Last 5	12:58:39	900.03	21.83	4.93	24.74	0.38	27.40	5.96	121.13
Last 5	13:03:39	1200.03	21.81	4.91	24.67	0.34	27.40	6.08	125.57
Last 5	13:08:39	1500.03	21.80	4.91	24.66	0.24	27.40	5.96	129.40
Last 5	13:13:39	1800.04	21.77	4.91	24.72	0.28	27.40	6.00	133.28
Variance 0			-0.02	-0.02	-0.07			0.13	4.44
Variance 1			-0.01	-0.00	-0.02			-0.12	3.83
Variance 2			-0.03	0.00	0.06			0.04	3.88

Notes

Sampled at 13:13. Light rain, 70’s.

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 10:11:40

Project Information:		Pump Information:	
Operator Name	Taylor Goble	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	40.11 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	463068		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	35.11 ft

Well Information:		Pumping Information:	
Well ID	GWA-13	Final Pumping Rate	80 mL/min
Well diameter	2 in	Total System Volume	0.2263331 L
Well Total Depth	40.11 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0 in
Depth to Water	24.68 ft	Total Volume Pumped	5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 25
Last 5	09:49:39	600.01	21.06	5.93	21.88	2.22	24.72	6.84	-0.39
Last 5	09:54:39	899.99	20.99	5.24	20.88	0.71	24.72	6.83	1.60
Last 5	09:59:39	1199.99	20.83	5.07	20.52	0.68	24.72	6.91	1.68
Last 5	10:04:39	1499.98	20.73	5.09	20.89	0.61	24.72	6.91	0.18
Last 5	10:09:40	1800.97	20.64	5.09	20.84	0.55	24.72	6.94	1.64
Variance 0			-0.16	-0.16	-0.36			0.08	0.08
Variance 1			-0.10	0.02	0.38			0.00	-1.50
Variance 2			-0.09	-0.00	-0.06			0.04	1.46

Notes

Sampled at 1010. Cloudy 77 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 11:20:09

Project Information:		Pump Information:	
Operator Name	Taylor Goble	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	49.90 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	463068		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	44.90 ft

Well Information:		Pumping Information:	
Well ID	GWA-14	Final Pumping Rate	130 mL/min
Well diameter	2 in	Total System Volume	0.2263331 L
Well Total Depth	49.90 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	5 in
Depth to Water	25.35 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 25
Last 5	10:58:58	600.02	20.17	5.80	26.23	0.49	25.81	8.76	-5.73
Last 5	11:03:58	900.00	20.17	5.82	26.27	0.33	25.87	7.85	-5.48
Last 5	11:08:58	1199.99	20.26	5.81	26.15	0.41	25.86	7.80	-3.10
Last 5	11:13:58	1499.98	20.22	5.80	26.07	0.44	25.86	8.54	-0.69
Last 5	11:18:58	1799.97	20.21	5.83	26.07	0.39	25.86	8.67	0.77
Variance 0			0.09	-0.01	-0.13			-0.04	2.38
Variance 1			-0.04	-0.02	-0.08			0.74	2.41
Variance 2			-0.01	0.03	0.00			0.13	1.45

Notes

Sampled at 1118. Cloudy 78 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 10:31:41

Project Information:		Pump Information:	
Operator Name	Anna Schnittker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	Poly
Project Name	McIntosh LF4	Tubing Diameter	.1 in
Site Name	McIntosh LF4	Tubing Length	40 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	Hach2100Q	Pump placement from TOC	35 ft

Well Information:		Pumping Information:	
Well ID	GWC-15	Final Pumping Rate	110 mL/min
Well diameter	2 in	Total System Volume	0.2417775 L
Well Total Depth	40.3 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	21.60 ft	Total Volume Pumped	3.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:02:20	600.02	23.94	4.88	27.81	2.10	21.80	6.58	81.93
Last 5	10:07:20	900.01	23.79	4.91	28.23	1.90	21.80	6.49	75.45
Last 5	10:12:20	1200.00	23.78	4.91	26.87	1.70	21.80	6.42	74.16
Last 5	10:17:21	1501.00	23.75	4.90	25.87	1.40	21.80	6.40	74.11
Last 5	10:22:21	1800.99	23.79	4.92	26.69	1.20	21.80	6.39	72.59
Variance 0			-0.01	0.00	-1.36			-0.06	-1.29
Variance 1			-0.03	-0.01	-1.00			-0.03	-0.04
Variance 2			0.04	0.01	0.82			-0.00	-1.52

Notes

Sample time : 1030. Cloudy 80

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 11:54:15

Project Information:		Pump Information:	
Operator Name	Anna Schnittker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	Poly
Project Name	McIntosh LF4	Tubing Diameter	.1 in
Site Name	McIntosh LF4	Tubing Length	40 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	Hach2100Q	Pump placement from TOC	35 ft

Well Information:		Pumping Information:	
Well ID	GWA-16	Final Pumping Rate	115 mL/min
Well diameter	2 in	Total System Volume	0.2417775 L
Well Total Depth	40.27 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	24.02 ft	Total Volume Pumped	4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:29:32	900.01	24.82	5.00	23.90	5.20	24.20	6.44	71.75
Last 5	11:34:32	1200.00	25.42	5.01	23.75	5.90	24.20	6.35	70.46
Last 5	11:39:32	1500.00	25.65	5.02	23.69	6.20	24.20	6.26	69.57
Last 5	11:44:32	1799.99	26.23	5.02	23.58	6.30	24.20	6.19	69.55
Last 5	11:49:33	2100.99	25.77	5.02	23.63	4.60	24.20	6.25	69.48
Variance 0			0.23	0.01	-0.05			-0.10	-0.89
Variance 1			0.58	-0.00	-0.12			-0.07	-0.01
Variance 2			-0.46	0.00	0.05			0.06	-0.07

Notes

Sample time: 1155. Cloudy 80

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 12:36:57

Project Information:		Pump Information:	
Operator Name	Taylor Goble	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	40.02 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	463068		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	35.02 ft

Well Information:		Pumping Information:	
Well ID	GWC-17	Final Pumping Rate	110 mL/min
Well diameter	2 in	Total System Volume	0.2263331 L
Well Total Depth	40.02 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	3 in
Depth to Water	27.26 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 25
Last 5	12:15:14	600.00	21.01	5.31	32.08	0.57	27.48	6.01	7.39
Last 5	12:20:14	900.00	20.76	5.28	32.06	0.53	27.50	6.04	12.89
Last 5	12:25:14	1199.99	20.73	5.30	32.09	0.47	27.51	6.00	15.46
Last 5	12:30:14	1499.98	20.55	5.28	32.02	0.39	27.52	6.03	19.96
Last 5	12:35:14	1799.97	20.43	5.29	32.05	0.41	27.53	6.01	22.56
Variance 0			-0.03	0.02	0.03			-0.04	2.58
Variance 1			-0.19	-0.02	-0.07			0.03	4.50
Variance 2			-0.11	0.00	0.03			-0.02	2.59

Notes

Sampled at 1235. Cloudy 81 degrees. LF4-FB-01 taken here at 1245.

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 14:32:58

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	QED Bladder Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	47 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	38 ft

Well Information:		Pumping Information:	
Well ID	GWC-18	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.4625885 L
Well Total Depth	42.53 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	9 in
Depth to Water	35.58 ft	Total Volume Pumped	14.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	14:11:33	5405.05	21.44	6.09	91.51	3.76	36.30	5.26	102.02
Last 5	14:16:33	5705.05	21.62	6.08	91.93	4.22	36.30	5.25	102.90
Last 5	14:21:33	6005.05	21.41	6.14	93.46	4.62	36.30	5.28	100.15
Last 5	14:26:37	6309.05	21.24	6.14	93.04	3.69	36.30	5.37	101.44
Last 5	14:31:37	6609.05	21.23	6.13	93.94	3.46	36.30	5.41	101.59
Variance 0			-0.21	0.06	1.53			0.03	-2.75
Variance 1			-0.17	0.00	-0.42			0.10	1.29
Variance 2			-0.01	-0.02	0.90			0.04	0.15

Notes

Cloudy, 80’s. Sampled at 14:31. LF4-DUP-01 here.

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-16 11:59:50

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	36 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646770		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	32 ft

Well Information:		Pumping Information:	
Well ID	GWC-19	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.2355997 L
Well Total Depth	36.95 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	29.61 ft	Total Volume Pumped	15 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	11:38:37	7504.05	21.28	5.45	77.94	0.42	29.70	3.76	99.83
Last 5	11:43:37	7804.06	21.27	5.46	77.51	0.39	29.70	3.84	99.77
Last 5	11:48:37	8104.06	21.35	5.43	77.64	0.31	29.70	3.80	101.55
Last 5	11:53:38	8405.06	21.32	5.45	77.41	0.34	29.70	3.84	100.78
Last 5	11:58:38	8705.06	21.37	5.43	77.97	0.31	29.70	3.76	102.41
Variance 0			0.08	-0.03	0.13			-0.04	1.78
Variance 1			-0.04	0.02	-0.23			0.03	-0.77
Variance 2			0.05	-0.02	0.56			-0.07	1.63

Notes

Sampled at 11:58. Cloudy, 70’s. Dup-02 here.

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 15:52:29

Project Information:		Pump Information:	
Operator Name	Taylor Goble	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	poly
Project Name	McIntosh LF4	Tubing Diameter	0.10 in
Site Name	McIntosh LF4	Tubing Length	30.11 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	463068		
Turbidity Make/Model	HACH 2100Q	Pump placement from TOC	25.11 ft

Well Information:		Pumping Information:	
Well ID	GWC-20	Final Pumping Rate	190 mL/min
Well diameter	2 in	Total System Volume	0.2186109 L
Well Total Depth	30.11 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	22.93 ft	Total Volume Pumped	13.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 25
Last 5	15:31:42	2999.93	20.30	4.96	46.39	0.52	22.99	4.83	37.81
Last 5	15:36:42	3299.92	20.36	4.96	46.27	0.55	22.99	4.82	40.59
Last 5	15:41:42	3599.91	20.32	4.92	46.35	0.68	22.99	5.33	45.39
Last 5	15:46:42	3899.91	20.30	4.96	46.36	0.32	22.99	5.35	45.88
Last 5	15:51:42	4199.90	20.21	4.96	46.40	0.29	22.99	5.59	48.82
Variance 0			-0.04	-0.04	0.08			0.51	4.80
Variance 1			-0.02	0.04	0.01			0.02	0.48
Variance 2			-0.09	-0.00	0.04			0.24	2.95

Notes

Sampled at 1551. Cloudy 83 degrees

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 17:51:57

Project Information:		Pump Information:	
Operator Name	Anna Schnittker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	Poly
Project Name	McIntosh LF4	Tubing Diameter	.1 in
Site Name	McIntosh LF4	Tubing Length	27 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	Hach2100Q	Pump placement from TOC	23 ft

Well Information:		Pumping Information:	
Well ID	GWC-21	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.2216998 L
Well Total Depth	27.16 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	5 in
Depth to Water	20.95 ft	Total Volume Pumped	11.3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	17:28:57	2100.99	22.35	4.87	42.56	1.60	21.40	3.36	56.30
Last 5	17:33:57	2400.98	22.36	4.87	42.42	1.10	21.40	3.33	56.89
Last 5	17:38:57	2700.97	22.27	4.86	42.57	0.90	21.40	3.29	57.28
Last 5	17:43:57	3000.97	22.31	4.87	42.40	0.80	21.40	3.27	57.10
Last 5	17:48:57	3300.96	22.31	4.86	42.41	0.80	21.40	3.24	57.65
Variance 0			-0.09	-0.00	0.15			-0.05	0.39
Variance 1			0.04	0.00	-0.17			-0.02	-0.18
Variance 2			0.00	-0.00	0.01			-0.03	0.54

Notes

Sample time: 1755. Cloudy 80s

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-15 16:17:27

Project Information:		Pump Information:	
Operator Name	Anna Schnittker	Pump Model/Type	Peristaltic Pump
Company Name	Atlantic Coast Consulting	Tubing Type	Poly
Project Name	McIntosh LF4	Tubing Diameter	.1 in
Site Name	McIntosh LF4	Tubing Length	34 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	646777		
Turbidity Make/Model	Hach2100Q	Pump placement from TOC	30 ft

Well Information:		Pumping Information:	
Well ID	GWC-23	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.2325109 L
Well Total Depth	33.70 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	8 in
Depth to Water	28.67 ft	Total Volume Pumped	9.2 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:52:42	2999.96	23.52	5.20	39.81	2.40	29.30	6.03	43.47
Last 5	15:57:42	3299.96	23.54	5.21	39.20	2.30	29.30	6.04	43.56
Last 5	16:02:42	3599.95	23.71	5.19	39.54	1.90	29.30	5.95	44.26
Last 5	16:07:42	3899.94	23.68	5.20	39.45	1.40	29.30	5.91	45.13
Last 5	16:12:42	4199.94	23.54	5.18	39.38	1.10	29.30	6.39	46.53
Variance 0			0.16	-0.02	0.35			-0.09	0.70
Variance 1			-0.03	0.01	-0.10			-0.04	0.87
Variance 2			-0.13	-0.02	-0.06			0.48	1.40

Notes

Sample time: 1615. Cloudy 80s

Grab Samples

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh

TECHNICIAN: A Schwettker

WATER LEVEL: Solinst

WATER LEVEL S/N: 322946

INSTRUMENT S/N: 646777

INSTRUMENT TYPE: Insitu SmarTroll

CAL. SOLUTION/S:

ID: Auto Cal	LOT # : 20010025	EXP. DATE:	08/2021
ID: pH 7	LOT # : 19310067	EXP. DATE:	08/2021
ID: pH/10 ORP	LOT # : 19110067	EXP. DATE:	08/2021
ID: pH 10	LOT # : 19320202	EXP. DATE:	08/2021
ID:	LOT # :	EXP. DATE:	
ID:	LOT # :	EXP. DATE:	
ID:	LOT # :	EXP. DATE:	

Calibration Date: 9/15/20

RDO: 100% sat. = 93.2

PH: 4.00 = 4.08 7.00 = 7.06 10.00 = 9.97

CONDUCTIVITY: 4412

ORP (mV) 221.1

Calibration Date: 9/16/20

RDO: 100% sat. = 91.6

PH: 4.00 = 4.22 7.00 = 7.18 10.00 = 10.01

CONDUCTIVITY: 4119

ORP (mV) 222.8

Calibration Date: 9/17/20

RDO: 100% sat. = 92.2

PH: 4.00 = 4.21 7.00 = 7.21 10.00 = 10.03

CONDUCTIVITY: 4348

ORP (mV) 218.2

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh
TECHNICIAN: A Schmitker

INSTRUMENT S/N: 14080C034447
INSTRUMENT TYPE: Hach 2100 Q
CAL. SOLUTION:

0 NTU - LOT #	NA	EXP. DATE: New DI water
10 NTU - LOT #	A9311	EXP. DATE: 02/21
20 NTU - LOT #	~~A1920~~ A9254	EXP. DATE: 12/20

Calibration Date: 9/16/20

Calibation Solution	Instrument Reading	
0.0	0.2	NTU
10.0	10.6	NTU
20.0	21.9	NTU

Calibration Date: 9/14/20

Calibation Solution	Instrument Reading	
0.0	0.3	NTU
10.0	~~19.7~~ 10.9	NTU
20.0	19.7	NTU

Calibration Date: 9/17/20

Calibation Solution	Instrument Reading	
0.0	0.1	NTU
10.0	11.3	NTU
20.0	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: Ryan Walker

INSTRUMENT S/N: 19D10C073360

INSTRUMENT TYPE: Hach 2100 Q

CAL. SOLUTION:		
0 NTU -	LOT # NA	EXP. DATE: New DI water
10 NTU -	LOT #	EXP. DATE:
20 NTU -	LOT #	EXP. DATE:

Calibration Date: 9/15/20

Calibation Solution	Instrument Reading	
0.0	0.21	NTU
10.0	9.69	NTU
20.0	18.1	NTU

Calibration Date: 9/16/20

Calibation Solution	Instrument Reading	
0.0	0.20	NTU
10.0	9.72	NTU
20.0	20.1	NTU

Calibration Date: 9/17/20

Calibation Solution	Instrument Reading	
0.0	0.19	NTU
10.0	9.78	NTU
20.0	20.2	NTU

Calibration Date: 9/21/20

Calibation Solution	Instrument Reading	
0.0	0.26	NTU
10.0	9.54	NTU
20.0	20.4	NTU

Calibration Date: 9/22/20

Calibation Solution	Instrument Reading	
0.0	0.30	NTU
10.0	9.86	NTU
20.0	20.6	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: Ryan Walker

WATER LEVEL: Heron
WATER LEVEL S/N: 24424

INSTRUMENT S/N: 646770
INSTRUMENT TYPE: Insitu SmarTroll

CAL. SOLUTION/S:			
ID: pH 4	LOT #: 20010025	EXP. DATE:	08/2021
ID: pH 7	LOT #: 1934C057	EXP. DATE:	08/2021
ID: pH 10	LOT #: 19320102	EXP. DATE:	08/2021
ID: Cond	LOT #: 19460167	EXP. DATE:	08/2021
ID: ORP	LOT #: 20010025	EXP. DATE:	08/2021
ID:	LOT #:	EXP. DATE:	
ID:	LOT #:	EXP. DATE:	

Calibration Date: 9/15/20
RDO: 100% sat. = 95.3
PH: 4.00 = 4.40 7.00 = 7.23 10.00 = 10.06
CONDUCTIVITY: 4455
ORP (mV) 198.7

Calibration Date: 9/16/20
RDO: 100% sat. = 95.4
PH: 4.00 = 4.54 7.00 = 7.38 10.00 = 10.09
CONDUCTIVITY: 4476
ORP (mV) 210.7

Calibration Date: 9/17/20
RDO: 100% sat. = 98.3
PH: 4.00 = 4.59 7.00 = 7.45 10.00 = 10.09
CONDUCTIVITY: 4457
ORP (mV) 208.4

Calibration Date: 9/21/20
RDO: 100% sat. = 95.3
PH: 4.00 = 4.57 7.00 = 7.38 10.00 = 10.01
CONDUCTIVITY: 4453
ORP (mV) 205.0

Calibration Date: 9/22/20
RDO: 100% sat. = 94.0
PH: 4.00 = 4.71 7.00 = 7.41 10.00 = 9.97
CONDUCTIVITY: 4484
ORP (mV) 217.7

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh

TECHNICIAN: T. Goble

WATER LEVEL: Solinst

WATER LEVEL S/N: 236986

INSTRUMENT S/N: 463068

INSTRUMENT TYPE: Insitu SmarTroll

CAL. SOLUTION/S:

ID: 4.49 Cond	LOT #:	20010025	EXP. DATE:	8/21
ID: pH 4	LOT #:	20010025	EXP. DATE:	8/21
ID: pH 7	LOT #:	19340057	EXP. DATE:	8/21
ID: pH 10	LOT #:	19320102	EXP. DATE:	8/21
ID: ORP	LOT #:	19460116	EXP. DATE:	9/21
ID:	LOT #:		EXP. DATE:	
ID:	LOT #:		EXP. DATE:	

Calibration Date: 9-15-20

RDO: 100% sat. = 99.2

PH: 4.00 = 4.47 7.00 = 7.40 10.00 = 10.29

CONDUCTIVITY: 4.49 = 4.44

ORP (mV) 228 = 193.5

Calibration Date: 9-16-20

RDO: 100% sat = 99.3

PH: 4.00 = 4.54 7.00 = 7.42 10.00 = 10.32

CONDUCTIVITY: 4.49 = 4.45

ORP (mV) 198.9

Calibration Date: 9-17-20

RDO: 100% sat. = 98.5

PH: 4.00 = 4.61 7.00 = 7.44 10.00 = 10.26

CONDUCTIVITY: 4490 = 4354

ORP (mV) 224 = 197.6

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

CONDUCTIVITY:

ORP (mV)

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant McIntosh

TECHNICIAN: T. Goble

INSTRUMENT S/N: 11090C0125141

INSTRUMENT TYPE: Hach 2100 Q

CAL. SOLUTION:

0 NTU - LOT # NA	EXP. DATE:	New DI water
10 NTU - LOT # A9311	EXP. DATE:	Feb 21
20 NTU - LOT # A9254	EXP. DATE:	Dec 20

Calibration Date: 9-15-20

Calibation Solution	Instrument Reading	
0.0	0.34	NTU
10.0	9.61	NTU
20.0	19.4	NTU

100 = 100
800 = 829

Calibration Date: 9-16-20

Calibation Solution	Instrument Reading	
0.0	0.41	NTU
10.0	9.84	NTU
20.0	20.0	NTU

100 = 100
800 = 810

Calibration Date: 9-17-20

Calibation Solution	Instrument Reading	
0.0	0.36	NTU
10.0	10.8	NTU
20.0	20.4	NTU

100 = 105
800 = 823

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

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

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

Note: * Well shown within parentheses is proposed name change as described in 2018 permit submittal

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

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

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

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

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

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

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

5 - Sampling (Groundwater Monitoring Wells Only):

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

Note: N/A - Not Applicable

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

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

7 - Corrective actions completed and Notes:

1) GWA-2,3; GWC-1,5,9,10 : Casing getting rusty - consider future repair
2) GWA-3, 13: Well pad cleaned off

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

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

Note: * Well shown within parentheses is proposed name change as described in 2018 permit submittal

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

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

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

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

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

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

Facility Name: Plant McIntosh LF-4
Staff: R. Walker
Date: 9/15/2020

5 - Sampling (Groundwater Monitoring Wells Only):

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

Note: N/A - Not Applicable

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

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

7 - Corrective actions completed and Notes:

1) GWC-11,12 : Casing getting rusty - consider future repair

APPENDIX B

MONITORING WELL AND PIEZOMETER SURVEY DATA

107 Mountain Brook Dr., Ste. 104
Canton, GA 30115

GUNNIN
LAND SURVEYING

www.gunninsurvey.com
678.880.7502

DATE: July 2, 2020

TO: Atlantic Coastal Consulting, Inc
1150 Northmeadow Parkway
Suite 100
Roswell, GA 30076

ATTN: Evan Perry of Atlantic Coastal Consulting

SUBJECT: Plant Mcintosh Landfill #4: 20 wells

The following data has been established on the existing wells using Georgia State Plane East Zone (NAD 83 horizontal and NAVD 88 vertical). Wells were surveyed to the following tolerances: 0.01' vertical and 0.5' horizontal via conventional survey methods, GPS, OPUS processing, and level loops. Each well was cross-checked for horizontal and vertical accuracy.

WELL ID	NORTHING	EASTING	ELEVATION	ELEVATION	ELEVATION
	NAIL	Nail	NAIL	TOP OF CASE	TOP OF PVC
GWA-13	855669.78	957006.93	57.92	61.09	60.93
GWA-14	855474.34	956656.93	58.76	61.73	61.59
GWA-16	855639.94	956094.72	51.49	54.95	54.67
GWC-1	855444.67	958416.09	44.06	47.37	46.85
GWC-4A	855352.40	957496.55	61.90	65.20	65.00
GWC-15	855322.04	956314.43	53.76	57.06	56.86
GWC-17	856011.11	956102.53	51.50	54.46	54.29
GWC-18	856205.60	956438.23	56.62	59.88	59.74
GWC-19	856400.67	956801.55	51.00	53.77	53.59
GWC-20	856561.94	957093.84	44.35	47.62	47.36
GWC-21	856734.02	957390.27	42.31	45.42	45.22
GWC-22	856950.76	957722.56	47.84	51.32	51.17
GWC-23	856905.61	957714.35	49.45	52.64	52.43

WELL ID	NORTHING	EASTING	ELEVATION	ELEVATION	ELEVATION
	TOP OF CASE	TOP OF CASE	PAD	TOP OF CASE	TOP OF PVC
GWA-2	855307.00	958105.74	50.46	53.98	53.43
GWA-3	855168.65	957788.07	54.94	58.27	57.75
GWC-5	855677.36	957324.69	58.88	62.60	62.09
GWC-9	856726.86	957902.73	50.83	53.93	53.38
GWC-10	856427.33	958081.67	46.73	49.92	49.39
GWC-11	856116.10	958251.47	55.02	58.23	57.74
GWC-12	855803.06	958419.42	54.45	57.55	57.05

Sincerely yours,

Gunnin Land Surveying, LLC.

Jesse R. Gunnin, L.S. Principal Surveyor

APPENDIX C

ALTERNATE SOURCE DEMONSTRATIONS

GEI Consultants

Consulting
Engineers and
Scientists

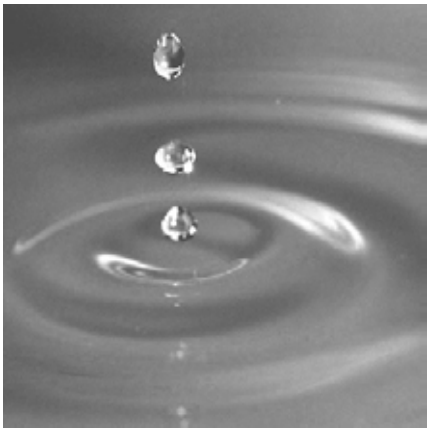
Georgia Power Company

Alternative Source Demonstration

Plant McIntosh Coal Combustion Residuals
Existing Landfill No. 4
Permit # 051-010D (LI)

Prepared by:
GEI Consultants, Inc.
1375 Peachtree Street, Suite A15
Atlanta, GA 30309

April 10, 2020
Project 1901973



Prepared by: Michael A. Cummings P.G.
Hydrogeologist

Reviewed by: Christie J. Battenhouse, P.G.
Sr. Project Manager

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PROFESSIONAL ENGINEER CERTIFICATION

"I hereby certify that this Alternative Source Demonstration prepared for Georgia Power Company's Plant McIntosh Coal Combustion Residuals Existing Landfill No. 4 meets requirements in Georgia Administrative Code Rule 391-3-4-.14 and that the information used in this report is accurate pursuant to the requirements of Georgia Administrative Code Rule 391-3-4-.14 (23). I am a duly licensed Professional Engineer under the laws of the state of Georgia."

John M. Trast, P.E.
License No. PE41928

1. Introduction

This document presents an alternative source demonstration (ASD) for the statistically significant increase (SSI) of the state Appendix I groundwater monitoring parameter chromium detected in the sample collected from monitoring well GWC-19 during the September 2019 semiannual detection monitoring event at Georgia Power Company's (GPC's) Plant McIntosh (the Site) Coal Combustion Residuals (CCR) Existing Landfill No. 4 (Landfill No. 4). This ASD has been prepared pursuant to Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.14(23).

The SSI for chromium is a result of natural variability in groundwater or the result of sampling or analytical error and is not caused by a release from Landfill No. 4. Groundwater monitoring data and statistical analysis reports discussed herein were included in the *2019 Annual Groundwater Monitoring and Corrective Action Report* (GEI, 2020).

1.1 Site Location and Background

The Site is located at 981 Old Augusta Central Road, in southeast Effingham County, Georgia, approximately 4 miles northeast of the city of Rincon, and 20 miles north-northwest of the city of Savannah. The Site is situated on the west bank of the Savannah River at Big Kiffer Point (Figure 1). Landfill No. 4 is permitted to receive CCR generated from the plant and is on the western portion of the plant property, approximately 1.5 miles west of the Savannah River and approximately 800 feet south of Lockner Creek.

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

Landfill No. 4 is currently in detection monitoring. The certified statistical methods for Landfill No. 4 specify the use of intrawell prediction limits (PLs) for a state-modified list of Appendix I parameters, which compares concentrations detected in a well to a limit established using its own background data without using comparison data from surrounding upgradient wells. Statistical analysis of data from the September 2019 detection monitoring event identified a single chromium SSI in downgradient monitoring well GWC-19.

1.2 Geology and Hydrogeology

The Site is situated on sediments that were deposited from the Cretaceous to Pleistocene period and consist of stratified marine deposits and materials eroded from crystalline rock of the Piedmont Region. The lithology described in the boring logs at Landfill No. 4 as interbedded clays, silts, and sands typical of Coastal Plain sediments. The uppermost aquifer at Landfill No. 4 is the surficial aquifer, characterized by silty to sandy clays, clayey silts, silty sands, and fine to medium grained sands.

As documented in the *2019 Annual Groundwater Monitoring and Corrective Action Report* (GEI, 2020), the general direction of groundwater flow across Landfill No. 4 is toward the northwest, north-northeast, and northeast (Figure 3). The groundwater flow pattern observed during the September 2019 detection monitoring event is consistent with historical observations. The calculated groundwater flow velocity at Landfill No. 4 is approximately 19 feet per year. As shown on Figure 3, monitoring well GWC-19 is situated downgradient along the northwestern side of Cell 2 A at Landfill No. 4.

2. Alternative Source Demonstration

A chromium concentration of 0.0043 milligrams per liter (mg/L) was detected at downgradient well GWC-19 during the September 2019 sampling event indicating an SSI as a result of intrawell statistical analysis (Table 1). Based on the review of Landfill No. 4 information and data analysis, the chromium SSI at well GWC-19 is due to the natural variability of chromium concentrations in background groundwater or sampling or analytical error and not the result of a release from the CCR unit. The following lines of evidence discussed below support this conclusion:

- The detection of chromium in GWC-19 represents a single-parameter SSI. A release from the CCR unit would result in multiple parameter SSIs. The absence of SSIs for other Appendix I and III parameters in well GWC-19 supports the conclusion that the chromium SSI in GWC-19 is not the result of a release from Landfill No. 4.

- Historically, concentrations of chromium in background monitoring wells, including wells GWA-13, GWC-17, and GWC-18, exhibit variability and are frequently higher when compared to chromium concentrations at GWC-19. This demonstrates that comparable chromium concentrations are observed in background groundwater monitoring wells.

- The chromium concentrations detected at Landfill No. 4 during the September 2019 monitoring event are very low, ranging from 0.0025 mg/L (GWC-9 and GWC-21) to 0.0072 mg/L (GWC-11).

The following sections present further details regarding the evidence supporting the conclusion that the chromium SSI is the result of natural variability in concentrations of naturally occurring chromium or a result of sampling or analytical error and is not caused by a release from Landfill No. 4.

2.1 Absence of Other SSIs

There are no other SSIs for Appendix I or III parameters identified in GWC-19 at Landfill No. 4. A release from Landfill No. 4 would result in SSIs of multiple state Appendix I and Appendix III parameters. The absence of multiple SSIs in well GWC-19 indicates the chromium SSI in GWC-19 is not the result of a release from Landfill No. 4. As shown on Table 1 and Figure 4, the September 2019 chromium result in GWC-19 is anomalous compared to historical results. Coupled with the absence of a similar increase in other

constituents, it is likely that this single-parameter increase is the result of sampling or analytical error.

2.2 Upgradient Chromium Monitoring Data

In 2019, monitoring wells GWA-13, GWC-17, and GWC-18, which are grouped in the background groundwater monitoring well pool, exhibited chromium concentrations higher than those detected in GWC-19 at 0.0052 mg/L, 0.0059 mg/L, and 0.0049 mg/L, respectively (Table 1). The presence of elevated concentrations of chromium in the background wells demonstrates that chromium is naturally occurring at Landfill No. 4. Since upgradient concentrations exceed those observed in downgradient wells, it is reasonable to conclude that downgradient detections reflect natural background groundwater quality.

The evaluation of natural groundwater variability in determining the validity of the ASD for chromium was assessed through the review of upgradient and downgradient chromium concentration data collected during monitoring events performed between 2004 and 2019. Chromium concentrations detected at Landfill No. 4 upgradient monitoring wells and GWC-19 are summarized as Box and Whiskers Plots shown on Figure 5. As shown on the plots, chromium concentrations range from 0.00072 mg/L (GWA-16(*GWB-16), June 2016) to 0.0096 mg/L (GWC-4A(*GWB-4A), July 2012). Among the 10 background wells, eight background wells have mean chromium concentrations higher than GWC-19 across their respective monitoring periods than GWC-19. The observed variability of background chromium concentrations supports the conclusion that the chromium SSI observed at well GWC-19 is the result of natural variation.

3. Conclusion

Based on information presented in this ASD, the SSI for chromium at GWC-19 is a result of natural variability in groundwater quality or sampling or analytical error and is not caused by a release from Landfill No. 4. Therefore, Landfill No. 4 will remain in detection monitoring in spring 2020 for the first semiannual monitoring event.

4. References

GEI, 2020. *2019 Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Company, Plant McIntosh, Coal Combustion Residuals Existing Landfill No. 4,* January 31, 2020.

Table

Table 1. Summary of Groundwater Analytical Data
Alternate Source Demonstration
Georgia Power Company
Plant McIntosh Existing Landfill No. 4
Effingham County, Georgia

General Notes:

-- - not sampled
CAS No. - Chemical Abstracts Service Registry Number
Bolded - detected value
µS/cm - microsiemens per centimeter
mg/L - milligrams per liter
mV - millivolts
NTU - nephelometric turbidity units
SU - Standard Units
*Change requested in the November 2018 permit submittal. Well designations will be updated once application is approved. Well IDs in parentheses are the proposed Well IDs.
Temperature, specific conductance, pH, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity were measured and recorded in the field.

Lab Qualifiers:

< - The analyte was not detected at a concentration above the specified laboratory reporting limit.
B - The analyte was detected in the associated method blank.
F1 - MS and/or MSD recovery is outside the acceptance limits.
J - The result is an estimated value.

Table 1. Summary of Groundwater Analytical Data
Alternate Source Demonstration
Georgia Power Company
Plant McIntosh Existing Landfill No. 4
Effingham County, Georgia

Location Name			GWC-1				GWA-2			GWA-3			GWC-4A (*GWB-4A)			GWC-5 (*GWB-5)				GWC-9				GWC-10				
Sample Name			GWC-1				GWA-2			GWA-3			GWC-4A			GWC-5				GWC-9				GWC-10				
Sample Date			1/30/19	3/27/19	9/11/19	12/18/19	1/29/19	3/27/19	9/11/19	1/29/19	3/27/19	9/11/19	1/29/19	3/26/19	9/10/19	1/29/19	3/26/19	9/10/19	12/18/19	1/30/19	3/27/19	6/17/19	9/11/19	1/30/19	Jan. 19 DUP	3/27/19	Mar. 19 DUP	9/11/19
Analyte	**Units**	**CAS No.**																									
Field Parameters																											
Specific Conductance	µS/cm	COND	**64.24**	**58.14**	**46.03**	**58.99**	**42.22**	**37.54**	**37.55**	**34.62**	**31.06**	**30.29**	**47.14**	**50.16**	**45.99**	**40.47**	**35.00**	**34.56**	**37.61**	**45.43**	**46.27**	**46.61**	**44.45**	**256.62**		**217.46**		**267.51**
Dissolved Oxygen	mg/L	DO	**2.42**	**2.15**	**2.17**	**2.53**	**3.67**	**3.47**	**3.90**	**6.19**	**6.00**	**4.41**	**2.81**	**1.29**	**2.28**	**5.99**	**5.37**	**5.96**	**5.74**	**6.93**	**7.65**	**6.32**	**6.47**	**4.31**		**2.88**		**1.28**
ORP	mV	ORP	**87.80**	**149.68**	**111.22**	**126.99**	**136.98**	**198.67**	**138.14**	**190.46**	**206.63**	**145.52**	**371.06**	**212.83**	**249.92**	**117.48**	**184.10**	**212.18**	**76.44**	**125.36**	**223.03**	**287.36**	**128.25**	**147.65**		**74.57**		**103.97**
pH	SU	pH	**5.21**	**5.15**	**4.80**	**5.06**	**4.91**	**4.69**	**4.77**	**4.98**	**4.80**	**5.03**	**4.66**	**4.72**	**4.72**	**5.39**	**5.45**	**5.71**	**5.46**	**4.88**	**4.75**	**5.24**	**4.80**	**6.20**		**6.54**		**6.63**
Temperature	deg c	TEMP	**16.47**	**19.50**	**25.05**	**18.97**	**18.16**	**17.47**	**25.60**	**19.17**	**16.73**	**27.43**	**18.55**	**20.85**	**27.27**	**17.50**	**21.50**	**25.88**	**20.12**	**14.95**	**20.65**	**23.31**	**25.00**	**14.57**		**20.93**		**24.58**
Turbidity	NTU	TURB	**1.12**	**0.96**	**0.27**	**1.45**	**1.84**	**1.84**	**1.76**	**0.47**	**1.25**	**1.19**	**1.20**	**1.19**	**1.31**	**1.17**	**0.45**	**0.53**	**1.07**	**0.83**	**1.22**	**0.95**	**0.08**	**0.77**		**0.47**		**0.49**
Appendix III Parameters																											
Boron	mg/L	7440-42-8	< 0.030	< 0.021 F1	< 0.039	--	< 0.030	< 0.021	< 0.039	< 0.030	< 0.021	< 0.039	< 0.030	< 0.021	**0.052 J**	< 0.030	< 0.021	< 0.039	--	< 0.030	< 0.021	--	< 0.039	**0.055**	**0.059**	**0.050**	**0.053**	**0.067 J**
Calcium	mg/L	7440-70-2	**2.5**	**2.4 F1**	**1.4**	--	**0.53**	**0.37**	**0.43 J**	**0.85**	**0.73**	**0.76**	**0.83**	**0.53**	**0.64**	**3.3**	**2.8**	**2.3**	--	**0.38**	**0.28**	--	**0.44 J**	**26**	**26**	**22**	**20**	**26**
Chloride	mg/L	16887-00-6	**6.8**	**6.8**	**6.0**	--	**5.0**	**4.5**	**4.8**	**4.0**	**3.5**	**3.5**	**3.4**	**3.7**	**3.6**	**3.6**	**3.6**	**3.5**	--	**9.1**	**10.0**	**9.4**	**9.3**	**5.6**	**5.3**	**5.3**	**5.3**	**5.4**
Fluoride	mg/L	16984-48-8	**0.040 J**	**0.029 J**	**0.036 J**	--	< 0.026	< 0.026	**0.037 J**	< 0.026	< 0.026	**0.033 J**	< 0.026	< 0.026	**0.044 J**	< 0.026	**0.028 J**	**0.037 J**	--	< 0.026	< 0.026	--	**0.034 J**	**0.23**	**0.21**	**0.12 J**	**0.12 J**	**0.1**
pH	SU	pH	**5.21**	**5.15**	**4.80**	**5.06**	**4.91**	**4.69**	**4.77**	**4.98**	**4.80**	**5.03**	**4.66**	**4.72**	**4.72**	**5.39**	**5.45**	**5.71**	**5.46**	**4.88**	**4.75**	**5.24**	**4.80**	**6.20**		**6.54**		**6.63**
Sulfate	mg/L	14808-79-8	**2.1**	**1.6**	**1.3**	--	**0.64 J**	< 0.38	**0.76 J**	< 0.38	**0.70 J**	**1.0**	**8.7**	**11**	**9.8**	< 0.38	**0.68 J**	**0.77 J**	--	**0.58 J**	**1.2**	--	**0.92 J**	**5.0**	**4.6**	**4.3**	**4.5**	**5.2**
Total Dissolved Solids	mg/L	TDS	**55**	**26**	**49**	--	**36**	**36**	**28**	**27**	**35**	**15**	**26**	**39**	**36**	**34**	**21**	**13**	--	**42**	**34**	--	**43**	**160**	**110**	**130**	**120**	**130**
State Appendix I Parameters																											
Antimony	mg/L	7440-36-0	< 0.0011	< 0.0010	< 0.00038	--	< 0.0011	< 0.0010	< 0.00038	< 0.0011	< 0.0010	**0.00081 J**	< 0.0011	< 0.0010	< 0.00038	< 0.0011	< 0.0010	< 0.00038	--	< 0.0011	< 0.0010	--	< 0.00038	< 0.0011	< 0.0011	< 0.0010	< 0.0010	< 0.00038
Arsenic	mg/L	7440-38-2	< 0.00032	< 0.00046	< 0.00032	--	< 0.00032	< 0.00046	< 0.00032	< 0.00032	**0.0011 J**	< 0.00032	< 0.00032	**0.00050 J**	**0.00051 J**	< 0.00032	< 0.00046	**0.00035 J**	--	< 0.00032	**0.00073 J**	--	**0.00044 J**	**0.00082 J**	**0.00099 J**	**0.0013**	< 0.00046	**0.00082 J**
Barium	mg/L	7440-39-3	**0.050**	**0.045 F1**	**0.038**	--	**0.034**	**0.030**	**0.034**	**0.017**	**0.014**	**0.015**	**0.025**	**0.023**	**0.026**	**0.050**	**0.046**	**0.044**	--	**0.032**	**0.023**	--	**0.029**	**0.023**	**0.023**	**0.019**	**0.017**	**0.021**
Beryllium	mg/L	7440-41-7	**0.00018 J**	< 0.00034	**0.00021 J**	--	**0.000063 J**	< 0.00034	< 0.00018	< 0.000057	< 0.00034	< 0.00018	**0.00011 J**	< 0.00034	**0.00060 J**	< 0.000057	< 0.00034	< 0.00018	--	**0.00016 J**	< 0.00034	--	**0.00021 J**	< 0.000057	**0.000077 J**	< 0.00034	< 0.00034	< 0.00018
Cadmium	mg/L	7440-43-9	< 0.00013	< 0.00034	< 0.00013	--	< 0.00013	< 0.00034	< 0.00013	< 0.00013	< 0.00034	< 0.00013	< 0.00013	< 0.00034	**0.00019 J**	< 0.00013	< 0.00034	< 0.00013	--	< 0.00013	< 0.00034	--	< 0.00013	< 0.00013	< 0.00013	< 0.00034	< 0.00034	< 0.00013
Chromium	mg/L	7440-47-3	**0.0021 JB**	< 0.0011	**0.0035**	--	**0.0019 JB**	**0.0016 J**	**0.0040**	**0.0016 JB**	**0.0014 J**	**0.0034**	**0.00099 JB**	< 0.0011	**0.0031**	**0.0014 JB**	< 0.0011	**0.0041**	--	**0.0012 JB**	< 0.0011	--	**0.0025**	**0.0071 B**	**0.0063 B**	**0.0035**	**0.0030**	**0.0040**
Cobalt	mg/L	7440-48-4	**0.0016 J**	**0.0017 J**	**0.0020**	--	**0.0010 J**	**0.0011 J**	**0.0015**	**0.00035 J**	< 0.00040	**0.00039 J**	**0.0033**	**0.0037**	**0.0031**	**0.00064 J**	**0.00064 J**	**0.00074**	--	**0.00066 J**	**0.00051 J**	--	**0.00083**	< 0.000075	**0.00013 J**	< 0.00040	< 0.00040	**0.00010 J**
Copper	mg/L	7440-50-8	< 0.0013	< 0.0021	**0.0010 J**	--	< 0.0013	< 0.0021	< 0.00063	< 0.0013	< 0.0021	**0.00092 J**	< 0.0013	**0.0021 J**	**0.0016 J**	< 0.0013	< 0.0021	< 0.00063	--	**0.0020 J**	< 0.0021	--	**0.00092 J**	< 0.0013	< 0.0013	< 0.0021	< 0.0021	< 0.00063
Lead	mg/L	7439-92-1	< 0.000094	< 0.00035	< 0.00013	--	**0.00024 JB**	< 0.00035	< 0.00013	**0.000098 JB**	< 0.00035	< 0.00013	**0.00026 JB**	< 0.00035	**0.00051 J**	**0.00011 JB**	< 0.00035	**0.00074 J**	--	< 0.000094	< 0.00035	--	< 0.00013	< 0.000094	< 0.000094	< 0.00035	< 0.00035	< 0.00013
Nickel	mg/L	7440-02-0	**0.0013 J**	< 0.0018	**0.0013**	--	**0.00063 J**	< 0.0018	**0.00091 J**	**0.00034 J**	< 0.0018	**0.00045 J**	**0.0021 J**	**0.0021 J**	**0.0020**	< 0.00031	< 0.0018	**0.00043 J**	--	**0.00063 J**	< 0.0018	--	**0.00065 J**	< 0.00031	< 0.00031	< 0.0018	< 0.0018	< 0.00034
Selenium	mg/L	7782-49-2	< 0.00081	< 0.00071	< 0.0015	--	< 0.00081	< 0.00071	< 0.0015	< 0.00081	< 0.00071	< 0.0015	< 0.00081	< 0.00071	< 0.0015	< 0.00081	< 0.00071	< 0.0015	--	< 0.00081	< 0.00071	--	< 0.0015	< 0.00081	< 0.00081	< 0.00071	< 0.00071	< 0.0015
Silver	mg/L	7440-22-4	**0.00021 JB**	< 0.00011	< 0.00018	--	< 0.00012	< 0.00011	< 0.00018	< 0.00012	< 0.00011	< 0.00018	< 0.00012	< 0.00011	< 0.00018	< 0.00012	< 0.00011	< 0.00018	--	**0.00018 JB**	< 0.00011	--	< 0.00018	**0.00018 JB**	< 0.00012	< 0.00011	< 0.00011	< 0.00018
Thallium	mg/L	7440-28-0	< 0.000063	< 0.000085	< 0.00015	--	< 0.000063	< 0.000085	< 0.00015	< 0.000063	< 0.000085	< 0.00015	< 0.000063	< 0.000085	**0.00033 J**	< 0.000063	< 0.000085	< 0.00015	--	< 0.000063	< 0.000085	--	**0.00023 J**	< 0.000063	< 0.000063	< 0.000085	< 0.000085	**0.00020 J**
Vanadium	mg/L	7440-62-2	**0.0012 JB**	< 0.0014	**0.0013**	--	< 0.00090	**0.0019 J**	**0.0014**	< 0.00090	**0.0047**	**0.0012**	< 0.00090	**0.0027**	**0.0018**	< 0.00090	**0.0015 J**	**0.0018**	--	< 0.00090	**0.0060**	--	**0.0015**	**0.0027 B**	**0.0021 JB**	**0.0065**	< 0.0014	**0.0022**
Zinc	mg/L	7440-66-6	**0.0031 J**	< 0.0065 F1	**0.0088**	--	**0.0064 J**	< 0.0065	**0.0089**	< 0.0024	< 0.0065	**0.012**	**0.0064 J**	**0.010 J**	**0.012**	**0.0027 J**	< 0.0065	**0.022**	**0.0051**	**0.051**	< 0.0065	--	**0.0058**	< 0.0024	< 0.0024	< 0.0065	< 0.0065	**0.0058**

Location Name			GWC-11				GWC-12			GWA-13				GWA-14				GWC-15(*GWB-15)				GWA-16(*GWB-16)		
Sample Name			GWC-11				GWC-12			GWA-13				GWA-14				GWC-15				GWA-16		
Sample Date			1/30/2019	3/27/2019	9/11/2019	Sept. 19 DUP	1/30/19	3/27/19	9/11/19	1/29/19	3/26/19	9/10/19	12/17/19	1/29/19	3/26/19	9/10/19	12/17/19	1/29/19	3/26/19	9/11/19	12/17/19	1/29/19	3/26/19	9/10/19
Analyte	**Units**	**CAS No.**																						
Field Parameters																								
Specific Conductance	µS/cm	COND	**116.66**	**122.30**	**92.95**		**29.08**	**24.31**	**22.59**	**21.67**	**19.05**	**20.50**	**24.47**	**28.14**	**23.68**	**24.84**	**26.62**	**28.29**	**24.10**	**24.91**	**26.41**	**23.57**	**22.48**	**22.41**
Dissolved Oxygen	mg/L	DO	**2.82**	**2.21**	**3.23**		**6.10**	**5.96**	**5.25**	**6.49**	**7.13**	**5.76**	**5.61**	**6.92**	**7.03**	**6.10**	**6.48**	**7.32**	**6.77**	**6.70**	**6.10**	**7.52**	**6.86**	**7.35**
ORP	mV	ORP	**16.35**	**90.10**	**74.93**		**83.66**	**191.43**	**118.19**	**122.84**	**231.58**	**162.52**	**172.87**	**139.25**	**167.88**	**189.98**	**145.10**	**127.91**	**206.70**	**143.31**	**167.26**	**122.83**	**198.46**	**224.52**
pH	SU	pH	**6.09**	**6.32**	**6.37**		**5.01**	**4.93**	**5.04**	**4.82**	**5.07**	**5.00**	**4.90**	**5.25**	**5.29**	**5.18**	**4.97**	**5.18**	**5.04**	**5.28**	**4.87**	**4.83**	**4.95**	**5.12**
Temperature	deg c	TEMP	**15.88**	**21.41**	**22.73**		**15.77**	**21.27**	**24.49**	**15.76**	**21.37**	**26.59**	**22.61**	**17.84**	**19.28**	**25.81**	**21.57**	**17.32**	**18.97**	**23.83**	**22.34**	**16.58**	**19.50**	**25.14**
Turbidity	NTU	TURB	**1.47**	**1.07**	**1.25**		**0.82**	**0.87**	**0.82**	**4.93**	**2.25**	**4.32**	**2.05**	**0.72**	**0.86**	**2.08**	**0.87**	**1.28**	**1.91**	**1.77**	**2.06**	**3.19**	**1.61**	**0.54**
Appendix III Parameters																								
Boron	mg/L	7440-42-8	< 0.030	< 0.021	< 0.039	< 0.039	< 0.030	< 0.021	< 0.039	< 0.030	< 0.021	**0.061 J**	--	< 0.030	< 0.021	< 0.039	--	< 0.030	< 0.021	< 0.039	--	< 0.030	< 0.021	< 0.039
Calcium	mg/L	7440-70-2	**11**	**13**	**9.3**	**9.5**	**0.68**	**0.62**	**0.62**	**0.33**	**0.3**	**0.37 J**	--	**0.51**	**0.42**	**0.47 J**	--	**0.91**	**0.58**	**0.42 J**	--	**0.41**	**0.37**	**0.41 J**
Chloride	mg/L	16887-00-6	**4.6**	**4.0**	**4.4**	**4.4**	**3.7**	**3.3**	**3.5**	**3.6**	**3.5**	**3.3**	--	**4.0**	**4.1**	**4.0**	--	**3.7**	**3.8**	**3.7**	--	**3.8**	**3.6**	**3.7**
Fluoride	mg/L	16984-48-8	**0.35**	**0.24**	**0.26**	**0.26**	< 0.026	< 0.026	**0.036 J**	< 0.026	< 0.026	**0.034 J**	--	< 0.026	< 0.026	**0.032 J**	--	< 0.026	< 0.026	**0.032 J**	--	< 0.026	< 0.026	**0.035 J**
pH	SU	pH	**6.09**	**6.32**	**6.37**		**5.01**	**4.93**	**5.04**	**4.82**	**5.07**	**5.00**	**4.90**	**5.25**	**5.29**	**5.18**	**4.97**	**5.18**	**5.04**	**5.28**	**4.87**	**4.83**	**4.95**	**5.12**
Sulfate	mg/L	14808-79-8	**4.3**	**5.4**	**3.8**	**3.7**	**0.65 J**	**0.67 J**	**1.0**	**1.2**	**0.63 J**	**0.93 J**	--	**0.52 J**	**0.92 J**	**0.83 J**	--	**0.43 J**	**0.79 J**	**1.2**	--	< 0.38	**0.90 J**	**0.83 J**
Total Dissolved Solids	mg/L	TDS	**89**	**79**	**39**	**60**	**22**	**24**	**28**	**24**	< 10	**21**	--	**22**	**17**	**16**	--	**23**	**17**	**15**	--	**26**	**27**	**13**
State Appendix I Parameters																								
Antimony	mg/L	7440-36-0	< 0.0011	< 0.0010	< 0.00038	< 0.00038	< 0.0011	< 0.0010	< 0.00038	< 0.0011	< 0.0010	**0.00052 J**	--	< 0.0011	< 0.0010	< 0.00038	--	< 0.0011	< 0.0010	< 0.00038	--	< 0.0011	< 0.0010	< 0.00038
Arsenic	mg/L	7440-38-2	**0.0015**	**0.0013**	**0.0017**	**0.0016**	< 0.00032	**0.0011 J**	**0.00032 J**	< 0.00032	< 0.00046	**0.00076 J**	--	< 0.00032	< 0.00046	**0.00043 J**	--	< 0.00032	**0.00075 J**	**0.00033 J**	--	< 0.00032	< 0.00046	**0.00036 J**
Barium	mg/L	7440-39-3	**0.014**	**0.013**	**0.011**	**0.011**	**0.011**	**0.0099**	**0.010**	**0.019**	**0.016**	**0.030**	--	**0.013**	**0.012**	**0.016**	--	**0.027**	**0.028**	**0.023**	--	**0.026**	**0.023**	**0.039**
Beryllium	mg/L	7440-41-7	< 0.000057	< 0.00034	< 0.00018	< 0.00018	**0.00018 J**	< 0.00034	**0.00022 J**	< 0.000057	< 0.00034	**0.00080 J**	--	< 0.000057	< 0.00034	**0.00025 J**	--	< 0.000057	< 0.00034	< 0.00018	--	< 0.000057	< 0.00034	**0.00036 J**
Cadmium	mg/L	7440-43-9	< 0.00013	< 0.00034	< 0.00013	< 0.00013	< 0.00013	< 0.00034	< 0.00013	< 0.00013	< 0.00034	**0.00035 J**	--	< 0.00013	< 0.00034	< 0.00013	--	< 0.00013	< 0.00034	< 0.00013	--	< 0.00013	< 0.00034	**0.00015 J**
Chromium	mg/L	7440-47-3	**0.0060 B**	**0.0031**	**0.0071**	**0.0072**	**0.0039 B**	**0.0019 J**	**0.0036**	**0.0037 B**	**0.0014 J**	**0.0052**	--	**0.0014 JB**	< 0.0011	**0.0040**	**0.0035**	**0.0021 JB**	**0.0016 J**	**0.0038**	**0.0039**	**0.0024 JB**	**0.0015 J**	**0.0040**
Cobalt	mg/L	7440-48-4	< 0.000075	< 0.00040	< 0.000075	< 0.000075	**0.00060 J**	**0.00051 J**	**0.00067**	**0.00043 J**	< 0.00040	**0.00064**	--	**0.00029 J**	< 0.00040	**0.00042 J**	--	**0.00037 J**	< 0.00040	**0.00044 J**	--	**0.00044 J**	< 0.00040	**0.00050**
Copper	mg/L	7440-50-8	< 0.0013	< 0.0021	< 0.00063	< 0.00063	< 0.0013	< 0.0021	**0.00069 J**	< 0.0013	< 0.0021	**0.00066 J**	--	< 0.0013	< 0.0021	**0.00076 J**	--	< 0.0013	< 0.0021	< 0.00063	--	< 0.0013	< 0.0021	< 0.00063
Lead	mg/L	7439-92-1	< 0.000094	< 0.00035	< 0.00013	< 0.00013	< 0.000094	< 0.00035	< 0.00013	**0.00043 JB**	< 0.00035	**0.00058 J**	--	**0.00011 JB**	< 0.00035	**0.00013 J**	--	**0.00014 JB**	< 0.00035	< 0.00013	--	**0.00018 JB**	< 0.00035	**0.00013 J**
Nickel	mg/L	7440-02-0	**0.00033 J**	< 0.0018	**0.00042 J**	**0.00042 J**	**0.0011 J**	< 0.0018	**0.0010**	**0.00033 J**	< 0.0018	**0.00040 J**	--	**0.00040 J**	< 0.0018	**0.00056 J**	--	**0.00046 J**	< 0.0018	**0.00042 J**	--	**0.00040 J**	< 0.0018	**0.00036 J**
Selenium	mg/L	7782-49-2	< 0.00081	< 0.00071	< 0.0015	< 0.0015	< 0.00081	< 0.00071	< 0.0015	< 0.00081	< 0.00071	< 0.0015	--	< 0.00081	< 0.00071	< 0.0015	--	< 0.00081	< 0.00071	< 0.0015	--	< 0.00081	< 0.00071	< 0.0015
Silver	mg/L	7440-22-4	**0.00016 JB**	< 0.00011	< 0.00018	< 0.00018	< 0.00012	< 0.00011	< 0.00018	< 0.00012	< 0.00011	< 0.00018	--	< 0.00012	< 0.00011	< 0.00018	--	< 0.00012	< 0.00011	< 0.00018	--	< 0.00012	< 0.00011	< 0.00018
Thallium	mg/L	7440-28-0	< 0.000063	< 0.000085	< 0.00015	< 0.00015	< 0.000063	< 0.000085	**0.00017 J**	< 0.000063	< 0.000085	**0.00057 J**	--	< 0.000063	< 0.000085	**0.00021 J**	--	< 0.000063	< 0.000085	< 0.00015	--	< 0.000063	< 0.000085	**0.00020 J**
Vanadium	mg/L	7440-62-2	**0.0024 JB**	**0.0016 J**	**0.0025**	**0.0025**	**0.0016 JB**	**0.0078**	**0.0011**	**0.0018 J**	< 0.0014	**0.0027**	**0.0012**	< 0.00090	< 0.0014	**0.0020**	--	< 0.00090	**0.0041**	**0.0016**	--	< 0.00090	**0.0019 J**	**0.0019**
Zinc	mg/L	7440-66-6	< 0.0024	< 0.0065	**0.005**	**0.0047 J**	< 0.0024	< 0.0065	**0.0066**	< 0.0024	< 0.0065	**0.0061**	--	**0.0048 J**	< 0.0065	**0.0069**	--	**0.0059 J**	< 0.0065	**0.0062**	--	**0.0024 J**	< 0.0065	**0.0060**

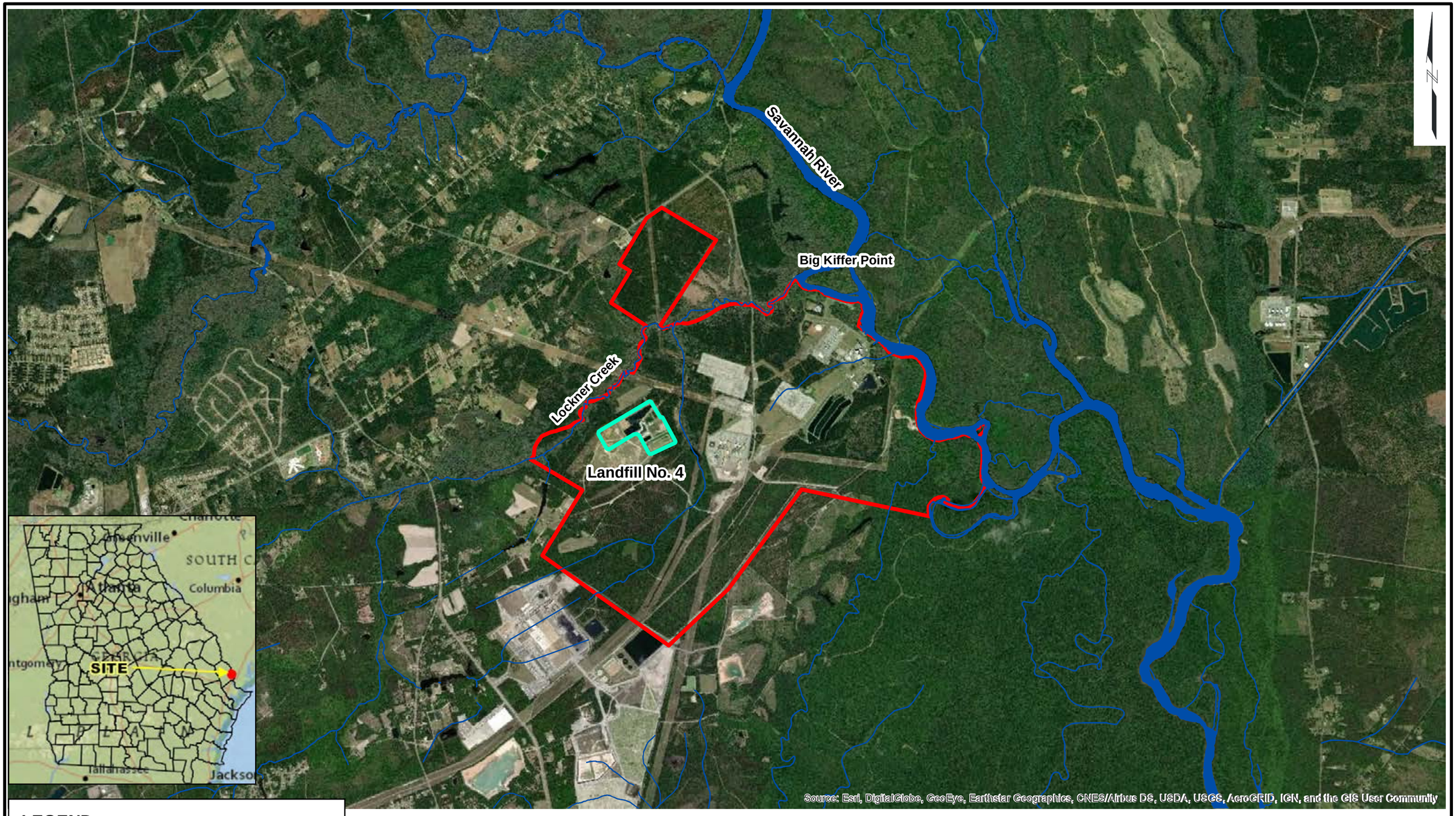
Created by: JW/LLG
Checked by: LMC

Table 1. Summary of Groundwater Analytical Data
Alternate Source Demonstration
Georgia Power Company
Plant McIntosh Existing Landfill No. 4
Effingham County, Georgia

		Location Name	GWC-17			GWC-18				GWC-19			GWC-20				GWC-21						GWC-23			
		Sample Name	GWC-17			GWC-18				GWC-19			GWC-20				GWC-21						GWC-23			
		Sample Date	1/29/2019	3/27/2019	9/11/2019	1/30/2019	3/27/2019	9/11/2019	12/18/2019	1/29/2019	3/27/2019	9/11/2019	1/29/2019	3/27/2019	9/11/2019	12/18/2019	1/30/2019	Jan. 19 DUP	3/27/2019	Mar. 19 DUP	9/11/2019	Sept. 19 DUP	1/30/2019	3/27/2019	9/11/2019	12/18/2019
Analyte	**Units**	**CAS No.**																								
Field Parameters																										
Specific Conductance	µS/cm	COND	**37.88**	**31.58**	**30.72**	**113.03**	**94.80**	**103.64**	**114.52**	**91.32**	**85.67**	**82.06**	**46.52**	**50.20**	**44.58**	**47.87**	**39.54**		**38.05**		**40.77**		**43.43**	**41.90**	**37.89**	**38.85**
Dissolved Oxygen	mg/L	DO	**7.10**	**6.26**	**6.42**	**3.73**	**3.69**	**4.01**	**4.07**	**4.05**	**4.91**	**3.66**	**5.80**	**4.83**	**4.84**	**4.97**	**5.09**		**5.46**		**4.33**		**5.88**	**4.31**	**4.58**	**6.07**
ORP	mV	ORP	**110.48**	**154.57**	**110.21**	**56.24**	**98.50**	**165.63**	**84.79**	**100.63**	**116.94**	**140.96**	**404.56**	**175.30**	**117.10**	**144.31**	**284.75**		**183.15**		**142.84**		**84.88**	**137.90**	**150.02**	**77.85**
pH	SU	pH	**5.35**	**5.25**	**5.16**	**5.93**	**6.11**	**6.30**	**6.22**	**5.58**	**5.59**	**5.58**	**4.94**	**4.94**	**4.96**	**4.97**	**4.65**		**4.96**		**4.99**		**5.14**	**5.30**	**5.24**	**5.21**
Temperature	deg c	TEMP	**15.74**	**18.43**	**22.91**	**16.03**	**19.12**	**22.41**	**19.49**	**17.69**	**18.62**	**23.46**	**18.52**	**17.82**	**23.92**	**17.47**	**16.48**		**20.00**		**25.00**		**15.31**	**18.26**	**27.24**	**18.48**
Turbidity	NTU	TURB	**1.23**	**1.49**	**0.32**	**4.91**	**2.92**	**5.79**	**0.67**	**1.09**	**2.75**	**0.63**	**2.10**	**1.41**	**4.63**	**0.43**	**0.93**		**1.07**		**0.82**		**0.51**	**0.61**	**0.52**	**1.29**
Appendix III Parameters																										
Boron	mg/L	7440-42-8	< 0.030	< 0.021	< 0.039	< 0.030	< 0.021	< 0.039	--	< 0.030	< 0.021	< 0.039	< 0.030	< 0.021	0.042 J	--	< 0.030	< 0.030	< 0.021	< 0.021	**0.055 J**	< 0.039	< 0.030	< 0.021	0.040 J	--
Calcium	mg/L	7440-70-2	**2.2**	**2.0**	**2.0**	**14**	**11**	**13**	--	**9.2**	**9.2**	**8.2**	**1.8**	**1.5**	**1.5**	--	**1.0**	**1.1**	**1.1**	**1.6**	**1.0**	**1.1**	**1.1**	**1.4**	**1.4**	--
Chloride	mg/L	16887-00-6	**4.5**	**4.1**	**4.3**	**4.8**	**4.3**	**4.5**	--	**8.2**	**7.5**	**7.7**	**8.8**	**8.9**	**8.7**	--	**6.7**	**6.6**	**6.3**	**9.0**	**6.7**	**6.6**	**7.4**	**4.2**	**4.6**	--
Fluoride	mg/L	16984-48-8	**0.13 J**	**0.10 J**	**0.099 J**	**0.65**	**0.49**	**0.47**	--	**0.074 J**	**0.072 J**	**0.080 J**	**0.031 J**	**0.034 J**	**0.045 J**	--	< 0.026	< 0.026	< 0.026	**0.036 J**	**0.032 J**	**0.032 J**	< 0.026	**0.027 J**	**0.041 J**	--
pH	SU	pH	**5.35**	**5.25**	**5.16**	**5.93**	**6.11**	**6.30**	**6.22**	**5.58**	**5.59**	**5.58**	**4.94**	**4.94**	**4.96**	**4.97**	**4.65**		**4.96**		**4.99**		**5.14**	**5.30**	**5.24**	**5.21**
Sulfate	mg/L	14808-79-8	< 0.38	< 0.38	**0.85 J**	**5.8**	**4.8**	**4.5**	--	**1.4**	**1.6**	**1.8**	**1.3**	**1.7**	**0.97 J**	--	**0.72 J**	**0.69 J**	**0.92 J**	**2.1**	**0.94 J**	**1.1**	**2.4**	**2.8**	**2.5**	--
Total Dissolved Solids	mg/L	TDS	**37**	**38**	**31**	**100**	**79**	**45**	**--**	**62**	**61**	**49**	**27**	**57**	**45**	**--**	**43**	**29**	**33**	**18**	**23**	**26**	**38**	**42**	**24**	**--**
State Appendix I Parameters																										
Antimony	mg/L	7440-36-0	< 0.0011	< 0.0010	< 0.00038	< 0.0011	< 0.0010	< 0.00038	--	< 0.0011	< 0.0010	< 0.00038	< 0.0011	< 0.0010	< 0.00038	--	< 0.0011	< 0.0011	< 0.0010	< 0.0010	< 0.00038	< 0.00038	< 0.0011	< 0.0010	< 0.00038	--
Arsenic	mg/L	7440-38-2	< 0.00032	**0.00097 J**	**0.00038 J**	**0.0011 J**	**0.0019**	**0.0012**	--	< 0.00032	< 0.00046	**0.00057 J**	< 0.00032	< 0.00046	0.00066 J	--	< 0.00032	**0.00042 J**	**0.00074 J**	< 0.00046	**0.00064 J**	< 0.00032	**0.00034 J**	**0.00079 J**	**0.00051 J**	--
Barium	mg/L	7440-39-3	**0.020**	**0.017**	**0.021**	**0.020**	**0.014**	**0.018**	--	**0.016**	**0.013**	**0.015**	**0.017**	**0.018**	**0.021**	--	**0.017**	**0.018**	**0.016**	**0.020**	**0.019**	**0.018**	**0.034**	**0.027**	**0.023**	--
Beryllium	mg/L	7440-41-7	**0.00062 J**	**0.00062 J**	**0.0010**	**0.000083 J**	< 0.00034	0.00026 J	--	**0.00023 J**	< 0.00034	**0.00058 J**	**0.00016 J**	< 0.00034	0.00052 J	--	**0.00016 J**	**0.00018 J**	< 0.00034	< 0.00034	**0.00054 J**	< 0.00018	**0.00015 J**	< 0.00034	0.00026 J	--
Cadmium	mg/L	7440-43-9	**0.00062 J**	**0.00041 J**	**0.00064 J**	< 0.00013	< 0.00034	< 0.00013	--	**0.00020 J**	< 0.00034	**0.00031 J**	**0.00016 J**	< 0.00034	0.00029 J	--	**0.00014 J**	**0.00017 J**	< 0.00034	< 0.00034	**0.00029 J**	**0.00014 J**	**0.00015 J**	< 0.00034	0.00018 J	--
Chromium	mg/L	7440-47-3	**0.0041 B**	**0.0028**	**0.0059**	**0.0049 B**	**0.0025**	**0.0049**	**0.0021**	**0.0019 JB**	**0.0014 J**	**0.0043**	**0.0013 JB**	< 0.0011	0.0034	<0.0015	**0.0017 JB**	**0.0019 JB**	< 0.0011	< 0.0011	**0.0025**	**0.0023**	**0.0019 JB**	< 0.0011	0.004	**0.0018 J**
Cobalt	mg/L	7440-48-4	**0.00038 J**	< 0.00040	**0.00034 J**	**0.00040 J**	< 0.00040	0.000082 J	--	< 0.000075	< 0.00040	**0.000099 J**	**0.00084 J**	**0.0012 J**	**0.0014**	--	**0.00099 J**	**0.0011 J**	**0.0010 J**	**0.0014 J**	**0.0012**	**0.0012**	**0.0061**	**0.0060**	**0.0059**	--
Copper	mg/L	7440-50-8	< 0.0013	< 0.0021	**0.0012 J**	**0.0021 J**	< 0.0021	0.0011 J	--	< 0.0013	< 0.0021	**0.00085 J**	< 0.0013	< 0.0021	0.0012 J	--	< 0.0013	< 0.0013	< 0.0021	< 0.0021	**0.00066 J**	< 0.00063	< 0.0013	< 0.0021	0.00092 J	--
Lead	mg/L	7439-92-1	**0.00016 JB**	< 0.00035	< 0.00013	**0.00067 J**	< 0.00035	0.00017 J	--	**0.00011 JB**	< 0.00035	< 0.00013	**0.00012 JB**	< 0.00035	0.00024 J	--	< 0.000094	< 0.000094	< 0.00035	< 0.00035	**0.00021 J**	< 0.00013	**0.00013 J**	< 0.00035	0.00018 J	--
Nickel	mg/L	7440-02-0	**0.0016 J**	**0.0018 J**	**0.0018**	**0.0019 J**	< 0.0018	0.0012	--	**0.0017 J**	< 0.0018	**0.0018**	**0.00093 J**	< 0.0018	0.0014	--	**0.00071 J**	**0.00083 J**	< 0.0018	< 0.0018	**0.00097 J**	**0.00090 J**	**0.0019 J**	**0.0018 J**	**0.0023**	--
Selenium	mg/L	7782-49-2	< 0.00081	< 0.00071	< 0.0015	< 0.00081	< 0.00071	< 0.0015	--	< 0.00081	< 0.00071	< 0.0015	< 0.00081	< 0.00071	< 0.0015	--	< 0.00081	< 0.00081	< 0.00071	< 0.00071	< 0.0015	< 0.0015	< 0.00081	< 0.00071	< 0.0015	--
Silver	mg/L	7440-22-4	< 0.00012	< 0.00011	< 0.00018	**0.00029 JB**	< 0.00011	< 0.00018	--	< 0.00012	< 0.00011	< 0.00018	< 0.00012	< 0.00011	< 0.00018	--	**0.00018 JB**	**0.00019 JB**	< 0.00011	< 0.00011	< 0.00018	< 0.00018	**0.00012 JB**	< 0.00011	< 0.00018	--
Thallium	mg/L	7440-28-0	< 0.000063	< 0.000085	< 0.00015	**0.00012 J**	< 0.000085	0.00018 J	--	< 0.000063	< 0.000085	**0.00019 J**	< 0.000063	< 0.000085	0.00034 J	--	< 0.000063	**0.000083 J**	< 0.000085	< 0.000085	**0.00041 J**	< 0.00015	**0.00016 J**	**0.00011 J**	**0.00034 J**	--
Vanadium	mg/L	7440-62-2	< 0.00090	**0.0040**	**0.0018**	**0.0042 B**	**0.0074**	**0.0037**	--	< 0.00090	< 0.0014	**0.0023**	< 0.00090	**0.0031**	**0.0018**	--	**0.0014 JB**	**0.0011 JB**	**0.0049**	**0.0020 J**	**0.0015**	**0.0013**	< 0.00090	**0.0055**	**0.0015**	--
Zinc	mg/L	7440-66-6	**0.0059 J**	< 0.0065	**0.013**	**0.50**	< 0.0065	0.0058	--	**0.0051 J**	< 0.0065	**0.0046 J**	< 0.0024	< 0.0065	0.0073	--	**0.0025 J**	**0.0026 J**	< 0.0065	< 0.0065	**0.0063**	**0.0060**	**0.0049 J**	< 0.0065	0.0086	--

Created by: JW/LLG
Checked by: LMC

Figures



LEGEND

- Plant McIntosh Approximate Property Boundary
- Landfill No. 4
- Savannah River and Associated Tributaries

0 3,000 6,000

SCALE: 1 inch = 3000 feet

Alternative Source Demonstration
Plant McIntosh Existing CCR Landfill No. 4
Effingham County, Georgia

Georgia Power Company
Atlanta, Georgia

GEI Consultants

SITE LOCATION MAP

Project No. 1901973 | January 2020 | Fig. 1

LEGEND

- Upgradient Monitoring Wells (GWA)
- Downgradient Monitoring Wells (GWC)
- Downgradient Piezometer
- Approximate Property Boundary
- Cell 1 Approximate Boundary
- Cell 2A Approximate Boundary
- Cell 2B Approximate Boundary (Not Yet Constructed)

NOTES:
*Change requested in the November 2018 permit submittal. Well designations will be updated once application is approved. Well IDs in parentheses are the proposed well IDs.
**Monitoring wells GWC-17 and GWC-18 are included in the background monitoring statistical pool as described in the April 2018 Alternative Source Demonstration.

0 250 500

SCALE: 1 inch = 250 feet

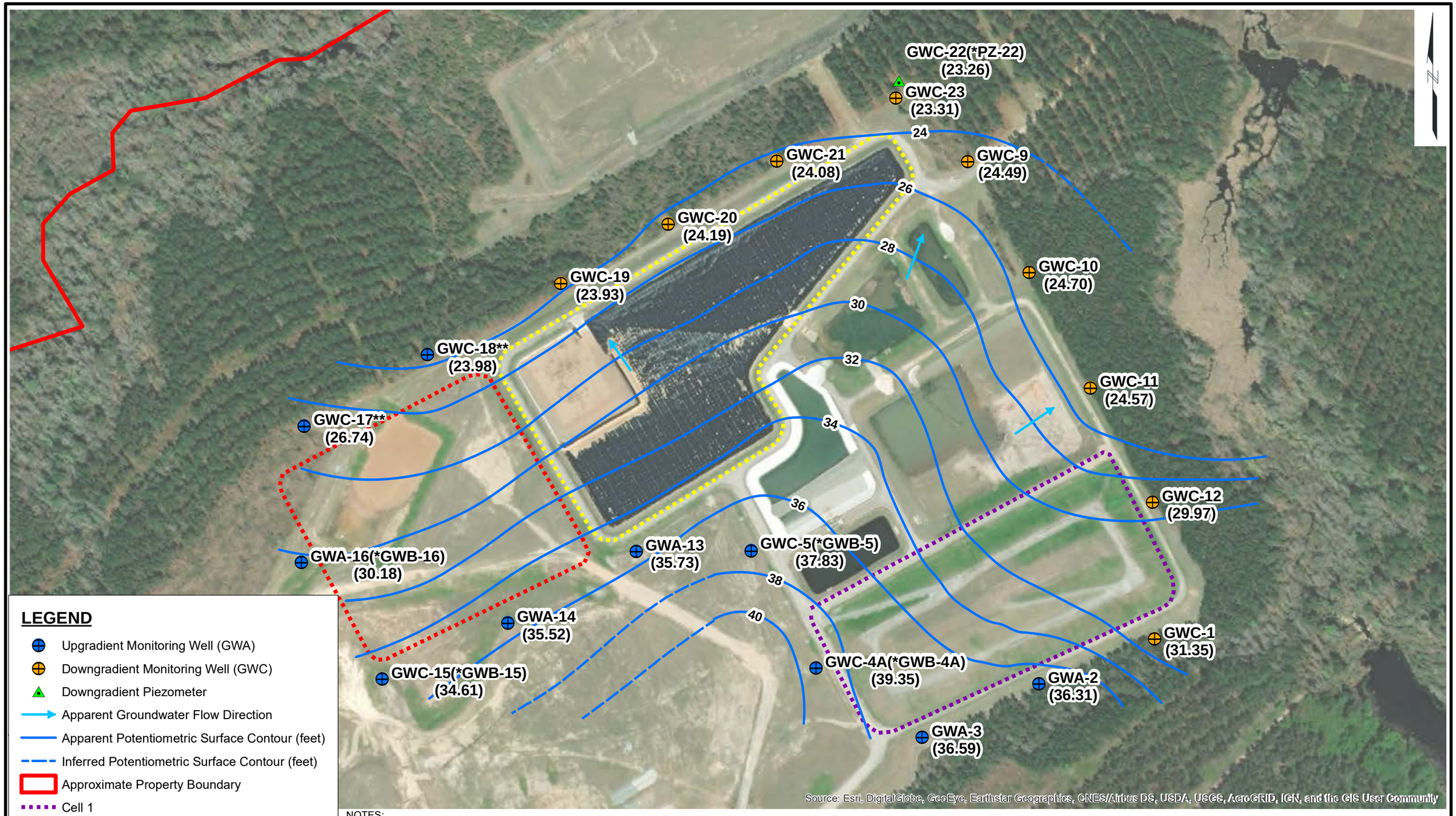
Alternate Source Demonstration
Plant McIntosh Existing Landfill No. 4
Effingham County, Georgia

Georgia Power Company
Atlanta, Georgia

GEI Consultants

WELL LOCATION MAP

Project No. 1901973 | Prepared January 2020 | Fig. 2



LEGEND

- Upgradient Monitoring Well (GWA)
- Downgradient Monitoring Well (GWC)
- Downgradient Piezometer
- Apparent Groundwater Flow Direction
- Apparent Potentiometric Surface Contour (feet)
- Inferred Potentiometric Surface Contour (feet)
- Approximate Property Boundary
- Cell 1
- Cell 2A
- Cell 2B

(34.61) = Groundwater elevation measured 09/09/19

Elevations are in feet relative to North American Vertical Datum 88 (NAVD 88)

NOTES:
*Change requested in the November 2018 permit submittal. Well designations will be updated once application is approved. Well IDs in parentheses are the proposed well IDs.
**Monitoring wells GWC-17 and GWC-18 are included in the background monitoring statistical pool as described in the April 2018 Alternative Source Demonstration.

0 250 500

SCALE: 1 inch = 250 feet

Alternate Source Demonstration
Plant McIntosh Existing Landfill No. 4
Effingham County, Georgia

Georgia Power Company
Atlanta, Georgia

GEI Consultants

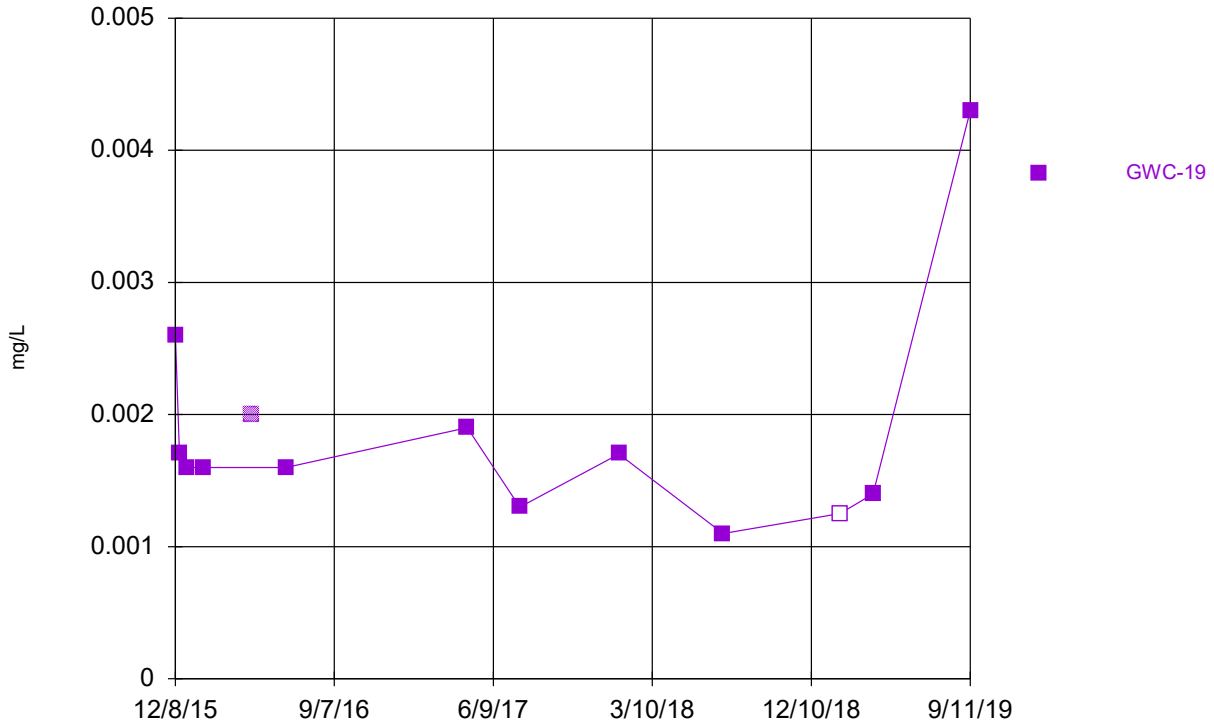
POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 2019

Project No. 1901973

Prepared January 2020 Fig. 3

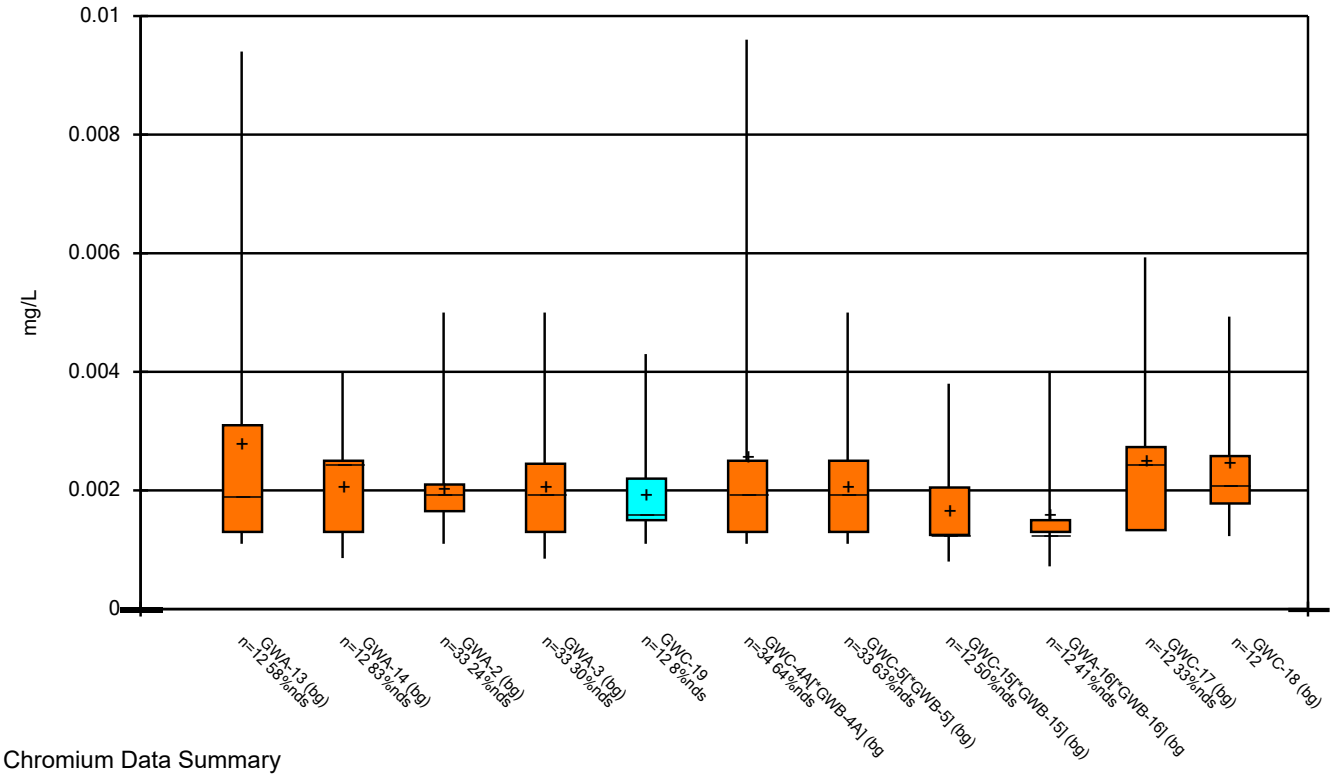
Sanitas v.9.6.25 Software licensed to GEI Consultants, Inc. P.C. UG
Hollow symbols indicate censored values.

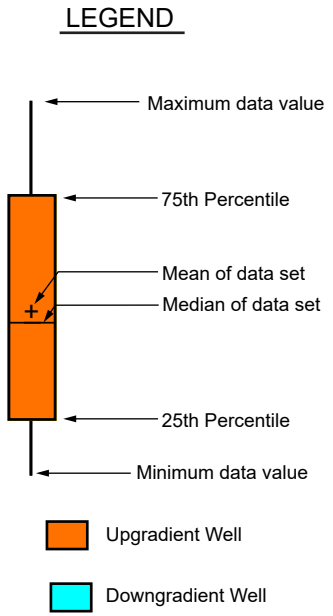
Time Series



Constituent: Chromium, Total Analysis Run 3/5/2020 2:03 PM
Plant McIntosh Client: GEI Data: McIntosh No 4 CCR.mdb

Alternative Source Demonstration Plant McIntosh Existing CCR Landfill No. 4 Effingham County, Georgia		GEI Consultants	TIME-SERIES PLOT- CHROMIUM
Georgia Power Company Atlanta, Georgia		Project 1901973	January 2020 Fig. 4





Chromium Data Summary

Background (upgradient) Wells

Well	N*	Mean	Std. Dev.	Std. Err.	Median	Min.	Max.	%NDs
GWA-13 (bg)	12	0.002792	0.002417	0.000697	0.001950	0.0011	0.0094	58.33
GWA-14 (bg)	12	0.002088	0.000887	0.000256	0.002500	0.00086	0.0040	83.33
GWA-2 (bg)	33	0.002055	0.000775	0.000135	0.002000	0.0011	0.0040	24.24
GWA-3 (bg)	33	0.002068	0.001044	0.000181	0.002000	0.00085	0.0049	30.30
GWC-17 (bg)	12	0.002483	0.001364	0.000393	0.002450	0.0018	0.0059	33.33
GWC-18 (bg)	12	0.002458	0.001218	0.000351	0.002150	0.0012	0.0049	0
GWC-4A[*GWB-4A] (bg)	34	0.002574	0.001980	0.000339	0.002000	0.0011	0.0096	64.71
GWC-5[*GWB-5] (bg)	33	0.002085	0.001026	0.000178	0.002000	0.0011	0.0041	63.64
GWC-15[*GWB-15] (bg)	12	0.001667	0.000847	0.000244	0.001300	0.00080	0.0038	50.00
GWA-16[*GWB-16] (bg)	12	0.001602	0.000856	0.000247	0.001300	0.00072	0.0040	41.67

Downgradient Well GWC-19

GWC-19	12	0.001942	0.000862	0.000249	0.001650	0.0011	0.0043	8.33

Notes:
Where n=12, data range from 12/2015 to 9/2019
Where n>= 33, data range from 8/2004 to 9/2019

Alternative Source Demonstration
Plant McIntosh Existing CCR Landfill No. 4
Effingham County, Georgia

Georgia Power Company
Atlanta, Georgia

GEI Consultants

Project 1901973

BOX AND WHISKER PLOT-
CHROMIUM

January 2020

Fig. 5

Georgia Power Company
Plant McIntosh Existing Landfill No. 4

Permit No. 051-010D(LI)

Effingham County

Alternate Source Demonstration

August 2020

Atlantic Coast Consulting, Inc.

Certification Statement

I hereby certify that this alternate source demonstration for the Georgia Power Company's Plant McIntosh Existing Landfill No. 4, located in Rincon, Georgia, was completed in accordance with 40 CFR §257.94(e)(2) and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management, Rule 391-3-4-.10(6)(a).

Evan B. Perry, P.G.
Georgia Registered Professional Geologist No. 1744
Originator

Richard T. Deason, P.E.
Georgia Registered Professional Engineer No. 27467
Reviewer

Table of Contents

1.0 Introduction

This alternate source demonstration (ASD) has been prepared pursuant to 40 CFR § 257.94(e)(2) and the EPD Rules for Solid Waste Management Chapter 391.-3-4-.10(6)(a), which allow the owner/operator to demonstrate that a source other than the unit caused the statistically significant increase (SSI). This ASD demonstrates that the SSI identified by statistical analysis resulted from an error in statistical evaluation and natural variation in groundwater quality and is not the result of a release from the CCR unit.

An SSI for chloride was identified on June 17, 2020, following statistical analysis of data collected during the March 2020 semiannual monitoring event. The SSI was confirmed by a verification resample collected on June 30, 2020. SSIs reported for the semiannual period are presented in Table 1, SSI Data Summary.

Table 1. SSI Data Summary

Constituent	Date	Location	Concentration	Inter-Well Prediction Limit
Chloride	4/1/2020	GWC-9	9.7	9.4
Chloride	6/30/2020*	GWC-9	11	9.4

Notes:

1. Appendix III refers to 40 CFR 257.
2. Units are mg/L.
3. * indicates verification resample.

2.0 Background

Georgia Power Company's (GPC) 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 west of the Savannah River. Plant McIntosh Existing Landfill No. 4 (Site) is located on the western portion of plant property.

Landfill No. 4 is composed of Cells 1, 2A, and 2B. Closure construction for Cell 1 of Landfill No. 4 began in June 2015 and final cover construction was completed in August 2016. GPC 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 2B is for future development.

The facility is permitted to operate the Georgia Environmental Protection Division (EPD) [Permit No. 051-008D(LI)]. Figure 1, Site Location Map, depicts the location of Plant McIntosh and Existing Landfill #4 referenced to regional landmarks. A recent potentiometric surface map is provided for reference as Figure 2, March 2020 Potentiometric Surface Map.

3.0 Alternate Source Demonstration

Pursuant to 40 CFR § 257.94(e)(2) and EPD Rule 391.-3-4-.10(6)(a), the following provides a demonstration that the SSIs reported during the 2020 semi-annual detection monitoring event are not the result of a release from Landfill No. 4 and that assessment monitoring is not required. The lines of evidence supporting this conclusion are:

- The low-level chloride concentrations in well GWC-9 are stable over time with no discernable increasing trend;
- Other Appendix III CCR indicator parameters do not exhibit SSIs;
- Chloride was documented at higher than current levels at GWC-9 prior to the construction of Cell 2A in 2017. Additionally, the unit is HDPE lined with a leachate collection system designed and operated to eliminate the potential pathway from the unit to groundwater.

3.1 Stability of GWC-9 Chloride Concentrations

Chloride concentrations are low level with a statistically significant decreasing trend. Review of the sampling data show that March and June 2020 chloride concentrations in the well (9.7 and 11 milligrams per liter [mg/L], respectively) that only slightly exceed the inter-well prediction limit of 9.4 mg/L. A release from the unit would result in statistically significant increasing trends of chloride, which are not present in the data. Trend test results included in Appendix A are provided to illustrate that recent concentrations are slightly less than in background samples.

To further confirm statistical increases are not occurring for chloride at GWC-9, an intra-well prediction limit was calculated using Sanitas statistical software in accordance with the methodology included in the facility's statistical analysis plan. Based on the analysis a prediction limit of 16.4 mg/L was calculated for chloride at GWC-9, which is higher than any of the 19 chloride results obtained from this location to date.

An impact to groundwater from the CCR unit will result in increasing trends and concentrations significantly elevated above the statistical limit. As shown in Appendix A, such an increase has not occurred. In fact, the concentrations remain very low and show a decreasing trend.

2.2 Single Parameter SSI

Only chloride exhibits an SSI, other Appendix III indicator parameters are not detected at elevated concentrations. A release from Landfill No. 4 would cause SSIs of multiple Appendix III parameters such as boron, calcium, and sulfate. The absence of multiple SSIs and the absence of statistically significant increasing trends in chloride supports the conclusion that the chloride SSI at GWC-9 is not the result of a release from Landfill No. 4.

2.3 Lack of Migration Pathway

Hydrogeologic and unit operation factors make it unlikely for an impact to GWC-9 to have occurred. As shown in Figure 2, GWC-9 is approximately 150 feet east of Cell 2A and the

sediment pond clear pool. Cell 2A was constructed in 2016 and started receiving waste in September 2017. Chloride was detected in multiple GWC-9 samples at higher levels prior to waste placement than the March and June 2020 concentrations.

Cell 2A is constructed with a 60-mil high-density polyethylene (HDPE) liner system and leachate collection system that is designed and constructed to prevent infiltration of leachate to groundwater. The sediment pond captures storm water that has not been in contact with CCR and allows for settlement of suspended solids (i.e. soils). The storm water pond is underlain with a Geosynthetic Clay Liner (GCL) to prevent infiltration and direct storm water to the outfall. The outfall discharge is located at a topographic low approximately 175 feet south of GWC-9 and not hydraulically downgradient. A drawing depicting the Site layout that was included as Sheet 28 of 29 in the November 2018 Permit Application is provided in Appendix B.

3.0 Conclusion

Based on the information presented in this ASD, the chloride SSI presented in the 2020 Semiannual Groundwater Monitoring and Corrective Action Report is not attributed to a release from the CCR Landfill. The SSI is the result of natural variation in groundwater quality not fully accommodated by the statistical evaluation method. Therefore, in accordance with §257.94(e)(2) and EPD Rule 391.-3-4-.10(6)(a), Landfill No. 4 will remain in detection monitoring. Detection monitoring results will continue to be presented in annual and Semiannual Groundwater Monitoring and Corrective Action Reports.

4.0 References

Atlantic Coast Consulting, Inc. (ACC), *2020 Annual Groundwater Monitoring and Corrective Action Report –Plant McIntosh Existing Landfill No. 4*, August 2020.

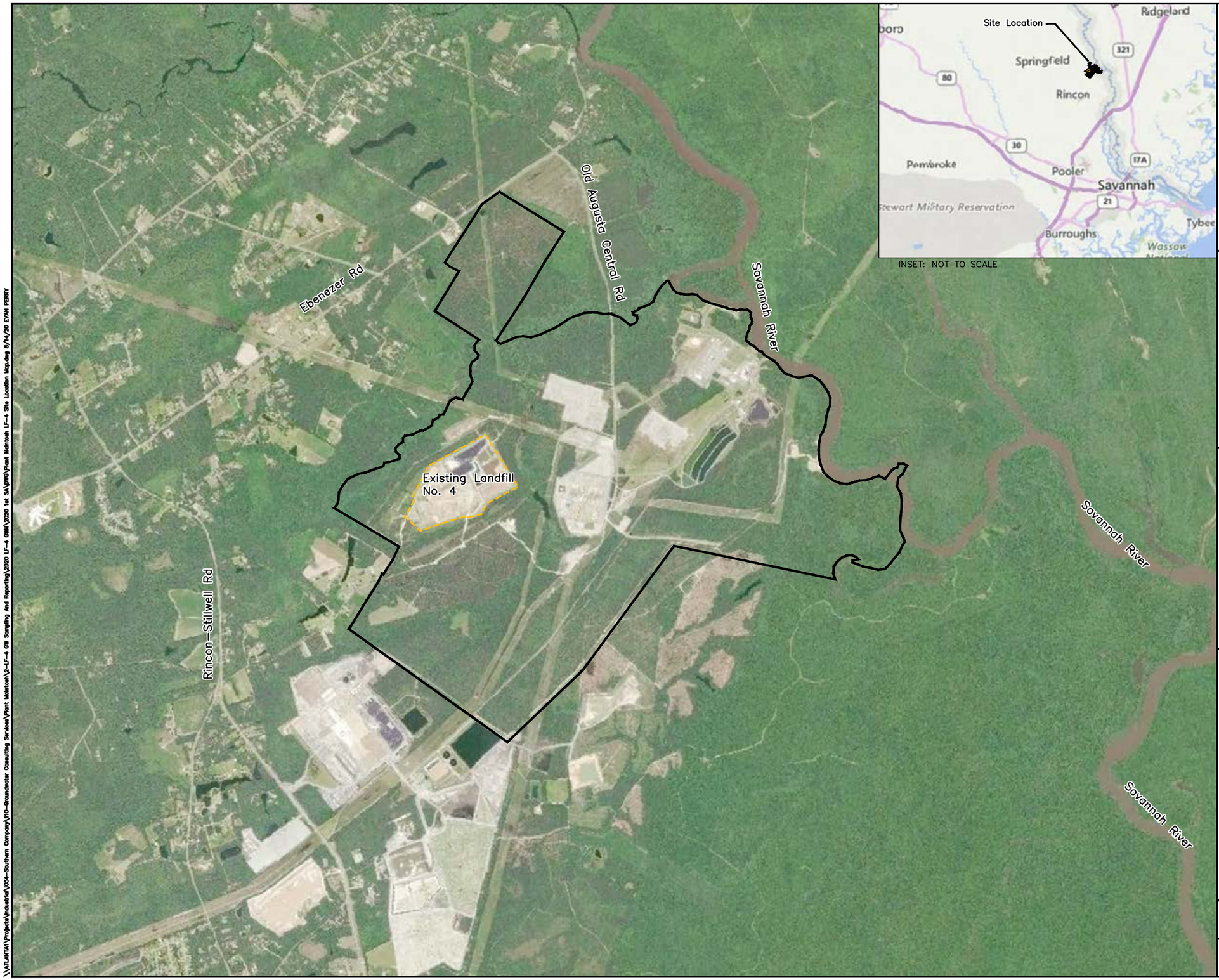
Environmental Resources Management (ERM), *Alternate Source Demonstration –Plant McIntosh Coal Combustion By-product Landfill No. 4*, January 2018.

GEI Consultants, Inc. (GEI), *Alternate Source Demonstration –Plant McIntosh Coal Combustion Residuals Existing Landfill No. 4*, February 2019.

GEI Consultants, Inc. (GEI), *Alternate Source Demonstration –Plant McIntosh Coal Combustion Residuals Existing Landfill No. 4*, April 2020.

Groundwater Stats Consulting. (GSC), *Plant McIntosh Landfill #4 April 2020 Statistical Analysis*, April 2020.

FIGURES



INSET: NOT TO SCALE

ATLANTIC COAST CONSULTING, INC.

2,500 0 1,250 2,500

SCALE (IN FEET)

LEGEND:

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

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT McINTOSH

SITE LOCATION MAP

PROJECT NO. 1054-110 June 2020

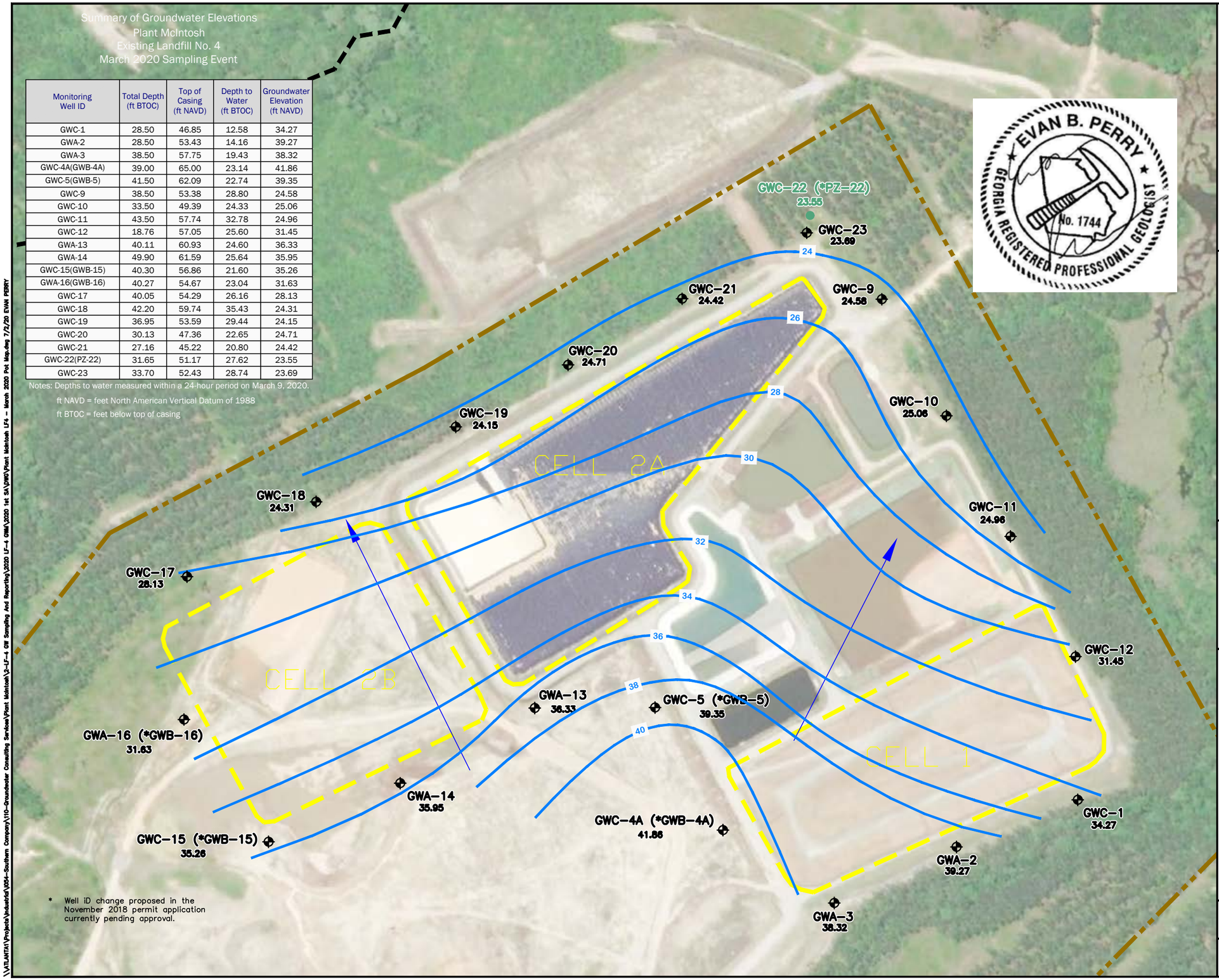
DRAWN BY:	MM	FIGURE:
CHECKED BY:	EP	1

\\ATLANTA1\Projects\Industrial\1054-Southern Company\110-Groundwater Consulting Services\Plant McIntosh\2-LF-4 GW Sampling And Reporting\2020 LF-4 CSM\2020 1st SA\PWS\Plant McIntosh LF-4 Site Location Map.dwg 8/14/20 EVAN PERRY

Summary of Groundwater Elevations
Plant McIntosh
Existing Landfill No. 4
March 2020 Sampling Event

Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD)
GWC-1	28.50	46.85	12.58	34.27
GWA-2	28.50	53.43	14.16	39.27
GWA-3	38.50	57.75	19.43	38.32
GWC-4A(GWB-4A)	39.00	65.00	23.14	41.86
GWC-5(GWB-5)	41.50	62.09	22.74	39.35
GWC-9	38.50	53.38	28.80	24.58
GWC-10	33.50	49.39	24.33	25.06
GWC-11	43.50	57.74	32.78	24.96
GWC-12	18.76	57.05	25.60	31.45
GWA-13	40.11	60.93	24.60	36.33
GWA-14	49.90	61.59	25.64	35.95
GWC-15(GWB-15)	40.30	56.86	21.60	35.26
GWA-16(GWB-16)	40.27	54.67	23.04	31.63
GWC-17	40.05	54.29	26.16	28.13
GWC-18	42.20	59.74	35.43	24.31
GWC-19	36.95	53.59	29.44	24.15
GWC-20	30.13	47.36	22.65	24.71
GWC-21	27.16	45.22	20.80	24.42
GWC-22(PZ-22)	31.65	51.17	27.62	23.55
GWC-23	33.70	52.43	28.74	23.69

Notes: Depths to water measured within a 24-hour period on March 9, 2020.
ft NAVD = feet North American Vertical Datum of 1988
ft BTOC = feet below top of casing



* Well ID change proposed in the November 2018 permit application currently pending approval.

EVAN B. PERRY
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1744

ATLANTIC COAST CONSULTING, INC.

250 0 125 250
SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL BOUNDARY
	APPROXIMATE LIMITS OF WASTE
GWC–1 34.27	MONITORING WELL GROUNDWATER ELEVATION
GWC–22 (*PZ–22) 23.55	PIEZOMETER GROUNDWATER ELEVATION
36	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT MCINTOSH EXISTING LANDFILL NO. 4

MARCH 2020 WATER TABLE CONTOUR MAP

PROJECT NO. I054-110 JULY 2020

DRAWN BY:	RW	FIGURE:
CHECKED BY:	MM	2

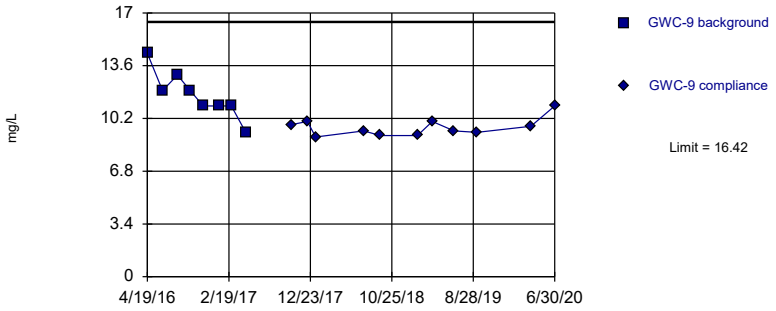
\\ATLANTA\Projects\Industrial\054–Southern Company\110–Groundwater Consulting Services\Plant McIntosh\2–LF–4 GW Sampling And Reporting\2020 LF–4 GW\2020 1st SA\DWG\Plant McIntosh LF4 – March 2020 Pot Map.dwg 7/2/20 EVAN PERRY

APPENDIX A

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=11.71, Std. Dev.=1.53, n=8. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9519, critical = 0.749. Kappa = 3.074 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Chloride Analysis Run 7/30/2020 5:05 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

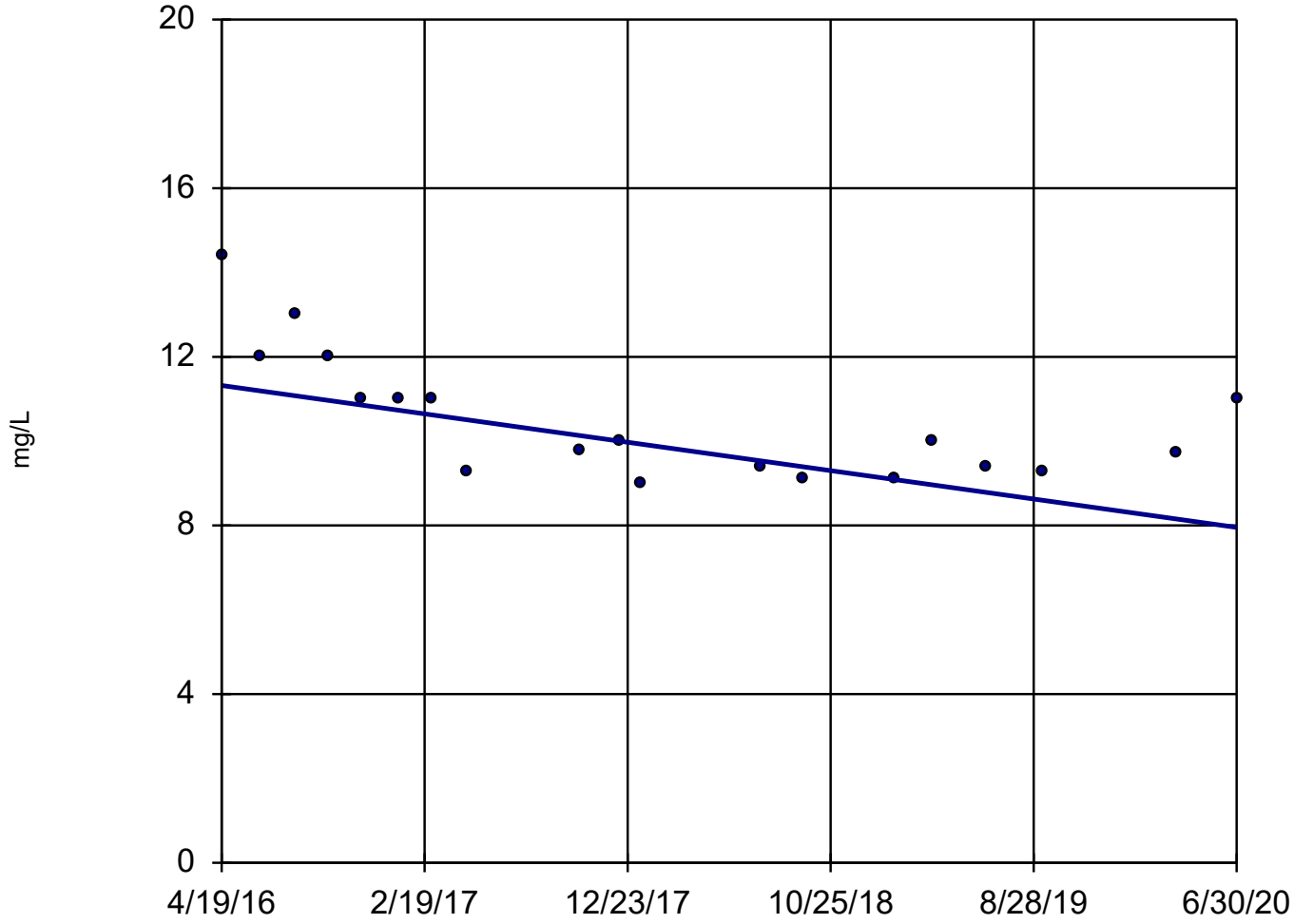
Constituent: Chloride (mg/L) Analysis Run 7/30/2020 5:05 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-9
4/19/2016	14.4	
6/15/2016	12	
8/10/2016	13	
9/27/2016	12	
11/15/2016	11	
1/13/2017	11	
3/1/2017	11	
4/24/2017	9.3	
10/12/2017		9.8
12/12/2017		10
1/12/2018		9
7/12/2018		9.4
9/13/2018		9.1
1/30/2019		9.1
3/27/2019		10
6/17/2019		9.4
9/11/2019		9.3
4/1/2020		9.7
6/30/2020		11

Sen's Slope Estimator

GWC-9



n = 19

Slope = -0.8013 units per year.

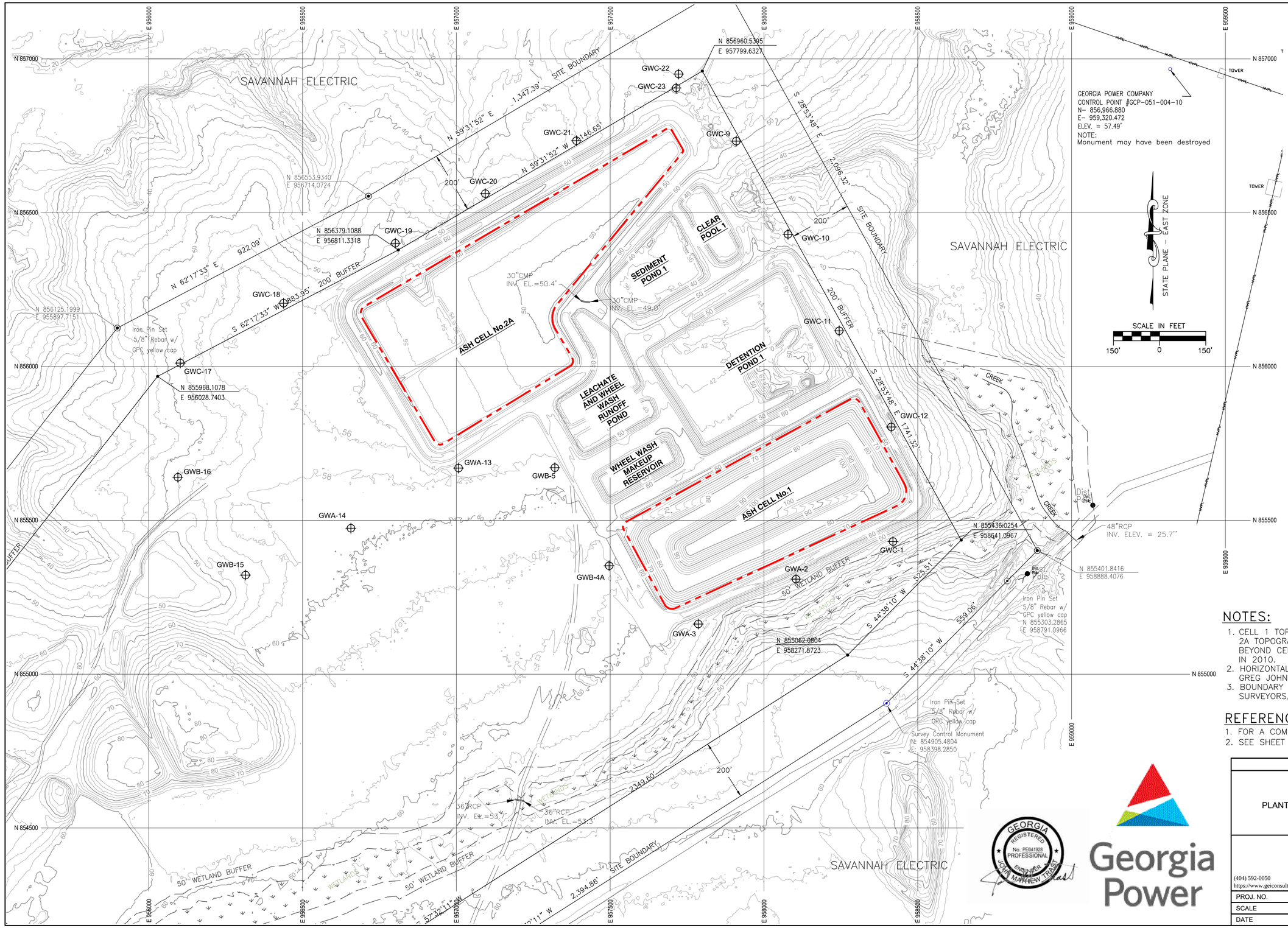
Mann-Kendall statistic = -82
critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 7/17/2020 9:27 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

APPENDIX B



LEGEND

GWC-18 — MONITORING WELL/ PIEZOMETER LOCATION

NOTE:
BORINGS M16 THROUGH M20 WERE DRILLED MAY 2003 DURING THE PROCESS OF DEVELOPING THE GROUNDWATER MONITORING PLAN FOR THE SITE. TEMPORARY PIEZOMETERS WERE INSTALLED FOR THE PURPOSE OF OBTAINING ADDITIONAL GROUNDWATER LEVEL READINGS.

PROJECT CONTROL

ALL COORDINATES ARE GEORGIA STATE PLANE – EAST ZONE NAD83(94)
ALL ELEVATIONS SHOWN ARE NAVD88

STATE PLANE COORDS. – NAD83(94) – GEORGIA EAST ZONE

GPC–MACK12	N: 855201.8250	E: 961020.2460	ELEV.: 61.572
GPC–MACK15	N: 855830.6352	E: 962265.4434	ELEV.: 59.306

NOTES:

1. CELL 1 TOPOGRAPHIC SURVEY COMPLETED MAY 2, 2017. CELL 2A TOPOGRAPHIC SURVEY COMPLETED AUGUST 2016. AREAS BEYOND CELLS 1 AND 2A WERE FROM LIDAR DATA COMPLETED IN 2010.
2. HORIZONTAL AND VERTICAL CONTROL PROVIDED BY GREG JOHNSON @ GEORGIA POWER.
3. BOUNDARY SURVEY PERFORMED BY BARKER AND ASSOCIATES SURVEYORS, JANUARY 2003

REFERENCES:

1. FOR A COMPLETE DRAWING LIST SEE SHEET 1.
2. SEE SHEET 3 FOR GENERAL NOTES AND REFERENCES.

GEORGIA REGISTERED No. PE041928 PROFESSIONAL ENGINEER JOHN MATHEW TEASLEY

Georgia Power

LANDFILL NO. 4 COMPLIANCE MONITORING NETWORK

PERMIT DRAWINGS

GEORGIA POWER COMPANY
PLANT MCINTOSH COAL COMBUSTION RESIDUALS (CCR)
EXISTING LANDFILL NO. 4
EFFINGHAM, GEORGIA

GEI Consultants
1375 PEACHTREE STREET NE, SUITE A15
ATLANTA, GEORGIA 30309
(404) 592-0050
https://www.geiconsultants.com/

PROJ. NO.	1702944	DWG. 28	EDIT
SCALE	1"=150'	SHEET 28 OF 29	
DATE	NOVEMBER 2018		

APPENDIX D

STATISTICAL ANALYSIS REPORT

First 2020 Semiannual Statistical Analysis of Appendix I and III Constituents

ACC Project I054-110

GROUNDWATER STATS CONSULTING

August 26, 2020

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

Re: Plant McIntosh Landfill #4
April 2020 Statistical Analysis

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the April 2020 Semi-Annual Groundwater Monitoring and Statistical summary of the analysis of groundwater quality for Georgia Power Company's McIntosh Landfill #4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the CCR program in 2016, and sampling for 16 parameters in accordance with the Georgia EPD's Solid Waste Permit began for some wells in 2006. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations; and all available data are screened in this report.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient:** GWA-2, GWA-3, GWC-4A[*GWB-4A], GWC-5[*GWB-5], GWA-13, GWA-14, GWC-15[*GWB-15], GWA-16[*GWB-16], GWC-17, and GWC-18

- **Downgradient**: GWC-1, GWC-9, GWC-10, GWC-11, GWC-12, GWC-19, GWC-20, GWC-21, and GWC-23

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III -** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD -** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. Since mercury was not required by the previous permit, it was not included in the statistical analysis.

Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all nondetects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. However, in the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Time series plots for Appendix III and Georgia EPD parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method

based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided in the previous screening to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

Georgia EPD Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan (all Georgia EPD parameters)
- # Constituents: 15 (Mercury not included)
- # Downgradient wells: 9

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (sulfate)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, and TDS)
- # Constituents: 7
- # Downgradient wells: 9

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Background Screening Summary – Georgia EPD – Conducted in August 2019

Outlier and Trend Testing

Time series plots are used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. When the most recent values are identified as outliers, values are not flagged in the database at that time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the

laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the nondetects are replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) may require flagging as outliers if they are much higher than current reporting limits. This was not required in this screening.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported nondetects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. All flagged values were reviewed in the current (June 2020) analysis. An additional value of cobalt was flagged in well GWC-21. Values of several constituents were unflagged when they were only slightly higher than other detected values and appeared to represent natural variation. The resulting prediction limits will still be conservative, yet less prone to false positives. A summary of all flagged values is included in Figure C.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. A few statistically significant increasing trends were noted for barium in wells GWA-2, GWC-1, and GWC-5 (formerly

GWB-5) and adjustments were made to eliminate the trend. A summary report showing the 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, and no records required any adjustments due to statistically significant increasing trends in data sets, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Background Update Summary – Appendix III – Conducted in March 2020

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data from all wells for intrawell parameters (sulfate) and upgradient wells for interwell parameters (boron, calcium, chloride, fluoride, pH, and TDS) through September 2019. Tukey's test noted potential outliers for all parameters except boron and fluoride, but not all of these values were flagged as most appeared to be representative of natural variation. Only values for sulfate in upgradient well GSC-18 and downgradient well GWC-23 were flagged. As mentioned above, any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages.

For constituents requiring intrawell prediction limits (only sulfate in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through April 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the following well/constituent pairs: sulfate in downgradient wells GWC-19, GWC-20, GWC-21, and GWC-23.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians. In this analysis, 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.

Statistical Analysis of Georgia EPD Constituents – April 2020

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-3 resample plan, were constructed using all available data, except for the cases mentioned above, within each well with detections

through July 2018 (Figure D). Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. As mentioned above, no statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-3 resample plan allows for collection of two additional samples to determine whether the initial exceedance is confirmed. When the resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary of prediction limits follows this report (Figure D). Statistical exceedances were noted for the following well/constituent pairs, all in upgradient wells:

- Barium: GWA-2 (upgradient)
- Chromium: GWA-16[*GWB-16] (upgradient)
- Copper: GWC-4A[*GWB-4A] (upgradient)

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. In the current analysis all of the exceedances occurred in upgradient wells; therefore, no trend tests were needed.

Statistical Analysis of Appendix III Parameters – April 2020

For sulfate, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (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. Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event.

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 April 2020 (Figure F). Interwell prediction limits pool upgradient well data to

establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs). Note that for TDS, a nonparametric prediction limit was used in lieu of a parametric limit due to the variation among upgradient wells and in an effort to reduce the number of false positive results.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Summary tables of the Appendix III prediction limits follow this letter (Figures E and F). The following prediction limit exceedances were noted for Appendix III parameters:

Intrawell:

- Sulfate: GWA-13 (upgradient)

Interwell:

- Chloride: GWC-9

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure G). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Such patterns are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter (Figure G). No statistically significant increasing trends were identified, but statistically significant decreasing trends were identified for the following well/constituent pairs:

- Chloride: GWA-3 (upgradient), GWC-9

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

For Groundwater Stats Consulting,

Andrew Collins
Groundwater Analyst

Kristina Rayner
Groundwater Statistician

100% Nondetect Well-Constituent Pairs

Date: 6/10/2020 11:26 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Antimony (mg/L)

GWA-14, GWA-16[*GWB-16], GWC-1, GWC-10, GWC-11, GWC-12, GWC-15[*GWB-15], GWC-17, GWC-19, GWC-20, GWC-21, GWC-23, GWC-4A[*GWB-4A], GWC-5[*GWB-5], GWC-9

Arsenic (mg/L)

GWA-2, GWC-1

Cadmium (mg/L)

GWA-2, GWA-3, GWC-1, GWC-10, GWC-11, GWC-12, GWC-15[*GWB-15], GWC-5[*GWB-5], GWC-9

Copper (mg/L)

GWC-10

Lead (mg/L)

GWA-2, GWA-3, GWC-1, GWC-10, GWC-12, GWC-15[*GWB-15], GWC-17, GWC-19, GWC-9

Selenium (mg/L)

GWA-14, GWC-12, GWC-17, GWC-23, GWC-9

Silver (mg/L)

GWA-13, GWA-14, GWA-16[*GWB-16], GWA-2, GWA-3, GWC-1, GWC-10, GWC-12, GWC-15[*GWB-15], GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-23, GWC-4A[*GWB-4A], GWC-5[*GWB-5], GWC-9

Thallium (mg/L)

GWA-3, GWC-1, GWC-15[*GWB-15]

Date Ranges

Date: 6/9/2020 1:26 PM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Barium (mg/L)

GWA-2 background:1/16/2015-7/11/2018

GWC-1 background:1/20/2013-1/11/2018

GWC-5[*GWB-5] background:1/19/2013-7/11/2018

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:14 AM

	GWA-3 Arsenic (mg/L)	GWA-3 Barium (mg/L)	GWC-11 Barium (mg/L)	GWC-5[*GWB-5] Barium (mg/L)	GWC-17 Beryllium (mg/L)	GWA-13 Chromium (mg/L)	GWA-2 Chromium (mg/L)	GWA-3 Chromium (mg/L)	GWC-1 Chromium (mg/L)	GWC-21 Chromium (mg/L)
8/25/2004										
9/11/2004										
12/7/2005										
7/6/2007		0.1 (O)								
6/20/2008										
12/7/2008		0.097 (O)	0.093 (O)						0.072 (O)	
1/5/2011	0.0089 (o)	0.21 (O)						0.077 (O)		
7/11/2012							0.0061 (O)			
1/19/2013										
1/14/2016										
4/20/2016					<0.003 (o)	<0.0025 (o)				
6/16/2016										
9/27/2016										0.35 (o)
1/24/2017				0.42 (o)						

	GWC-5[*GWB-5] Chromium (mg/L)	GWC-9 Chromium (mg/L)	GWA-3 Cobalt (mg/L)	GWC-21 Cobalt (mg/L)	GWA-3 Copper (mg/L)	GWC-21 Copper (mg/L)	GWA-3 Lead (mg/L)	GWC-9 Lead (mg/L)	GWA-3 Nickel (mg/L)	GWC-5[*GWB-5] Selenium (mg/L)
8/25/2004	0.22 (O)							0.0056 (o)		
9/11/2004									0.03 (O)	
12/7/2005										
7/6/2007										
6/20/2008										
12/7/2008										
1/5/2011			0.0066 (o)		0.014 (o)		0.014 (o)		0.025 (O)	
7/11/2012										
1/19/2013		0.0065 (o)								
1/14/2016						0.0064 (o)				
4/20/2016										
6/16/2016										
9/27/2016				0.015 (o)						
1/24/2017										0.025 (o)

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:14 AM

	GWC-18 Sulfate (mg/L)	GWC-23 Sulfate (mg/L)	GWA-3 Vanadium (mg/L)	GWC-11 Vanadium (mg/L)	GWA-3 Zinc (mg/L)	GWC-11 Zinc (mg/L)	GWC-4A[*GWB-4A] Zinc (mg/L)
8/25/2004							
9/11/2004							
12/7/2005							0.06 (O)
7/6/2007							
6/20/2008				0.0093 (o)			
12/7/2008						0.041 (O)	
1/5/2011			0.056 (O)		0.057 (O)		
7/11/2012							
1/19/2013							
1/14/2016							
4/20/2016							
6/16/2016	9 (O)	9.2 (o)					
9/27/2016							
1/24/2017							

State Parameters Intrawell Prediction Limits - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	**GWA-2**	**0.036**	**n/a**	**4/1/2020**	**0.037**	**Yes**	**14**	**0.00003138**	**0.000007789**	**0**	**None**	**x^3**	**0.0003901**	**Param Intra 1 of 3**
Chromium (mg/L)	**GWA-16[*GWB-16]**	**0.003104**	**n/a**	**4/1/2020**	**0.024**	**Yes**	**15**	**0.03555**	**0.01054**	**46.67**	**Kaplan-Meier**	**sqrt(x)**	**0.0003901**	**Param Intra 1 of 3**
Copper (mg/L)	**GWC-4A[*GWB-4A]**	**0.0025**	**n/a**	**3/31/2020**	**0.0051**	**Yes**	**31**	**n/a**	**n/a**	**96.77**	**n/a**	**n/a**	**0.0001701**	**NP Intra (NDs) 1 of 3**

State Parameters Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 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	3/31/2020	0.002ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-2	0.002	n/a	4/1/2020	0.0004	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.0022	n/a	4/1/2020	0.002ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.002	n/a	4/1/2020	0.002ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-13	0.001	n/a	3/31/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-14	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-16[*GWB-16]	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.001	n/a	4/1/2020	0.001ND	No	36	n/a	n/a	94.44	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0013	n/a	4/1/2020	0.00055	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	4/2/2020	0.0014	No	37	n/a	n/a	70.27	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.001	n/a	4/1/2020	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15[*GWB-15]	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-17	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001229	n/a	4/1/2020	0.00067	No	16	0.0008124	0.0002231	31.25	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-19	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-21	0.0022	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001734	n/a	4/1/2020	0.001ND	No	11	0.02695	0.006873	45.45	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-4A[*GWB-4A]	0.0027	n/a	3/31/2020	0.001ND	No	37	n/a	n/a	75.68	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5[*GWB-5]	0.0027	n/a	3/31/2020	0.001ND	No	39	n/a	n/a	94.87	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.001	n/a	4/1/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-13	0.01736	n/a	3/31/2020	0.015	No	16	0.01503	0.001248	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-14	0.018	n/a	4/1/2020	0.013	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWA-16[*GWB-16]	0.02941	n/a	4/1/2020	0.022	No	16	0.02437	0.002701	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	**GWA-2**	**0.036**	**n/a**	**4/1/2020**	**0.037**	**Yes**	**14**	**0.00003138**	**0.000007789**	**0**	**None**	**x^3**	**0.0003901**	**Param Intra 1 of 3**
Barium (mg/L)	GWA-3	0.02553	n/a	4/1/2020	0.014	No	34	0.1258	0.02092	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-1	0.05613	n/a	4/1/2020	0.041	No	18	0.04063	0.008527	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.03867	n/a	4/1/2020	0.035	No	37	-3.803	0.3426	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.026	n/a	4/2/2020	0.011	No	36	n/a	n/a	0	n/a	n/a	0.000111	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.01492	n/a	4/1/2020	0.0097	No	37	0.01205	0.001788	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-15[*GWB-15]	0.02811	n/a	4/1/2020	0.026	No	16	0.0247	0.001826	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-17	0.02102	n/a	4/1/2020	0.019	No	16	0.01799	0.001626	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.05567	n/a	4/1/2020	0.013	No	16	0.02955	0.01398	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.057	n/a	4/1/2020	0.013	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-20	0.04774	n/a	4/1/2020	0.016	No	16	-3.606	0.3019	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-21	0.02848	n/a	4/1/2020	0.018	No	16	-4.006	0.2397	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.08327	n/a	4/1/2020	0.024	No	11	0.05264	0.01433	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-4A[*GWB-4A]	0.03562	n/a	3/31/2020	0.017	No	37	0.02411	0.007165	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-5[*GWB-5]	0.06741	n/a	3/31/2020	0.044	No	19	0.04233	0.014	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.03144	n/a	4/1/2020	0.021	No	37	0.02404	0.004605	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWA-13	0.0025	n/a	3/31/2020	0.0025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-14	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-3	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-1	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.001	n/a	4/2/2020	0.00023	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-17	0.0006922	n/a	4/1/2020	0.00058	No	15	0.000572	0.00006281	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWC-18	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-20	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.0025	n/a	4/1/2020	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

State Parameters Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 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-4A[*GWB-4A]	0.0025	n/a	3/31/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5[*GWB-5]	0.0025	n/a	3/31/2020	0.0025ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-13	0.0025	n/a	3/31/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-14	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-17	0.000773	n/a	4/1/2020	0.00048	No	16	0.0005946	0.00009557	0	None	No	0.0003901	Param Intra 1 of 3
Cadmium (mg/L)	GWC-18	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-19	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-20	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-21	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-23	0.0025	n/a	4/1/2020	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	3/31/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-13	0.0094	n/a	3/31/2020	0.0019	No	14	n/a	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-14	0.0047	n/a	4/1/2020	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWA-16[*GWB-16]**	**0.003104**	**n/a**	**4/1/2020**	**0.024**	**Yes**	**15**	**0.03555**	**0.01054**	**46.67**	**Kaplan-Meier**	**sqrt(x)**	**0.0003901**	**Param Intra 1 of 3**
Chromium (mg/L)	GWA-2	0.002707	n/a	4/1/2020	0.0017	No	36	0.03983	0.007574	22.22	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-3	0.002978	n/a	4/1/2020	0.002ND	No	36	-6.609	0.4922	33.33	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-1	0.005	n/a	4/1/2020	0.002ND	No	37	n/a	n/a	35.14	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-10	0.01	n/a	4/1/2020	0.0084	No	37	n/a	n/a	24.32	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.009367	n/a	4/2/2020	0.0055	No	37	0.005969	0.002115	2.703	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-12	0.01	n/a	4/1/2020	0.0019	No	37	n/a	n/a	21.62	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-15[*GWB-15]	0.0051	n/a	4/1/2020	0.0015	No	15	n/a	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-17	0.01	n/a	4/1/2020	0.0032	No	15	n/a	n/a	33.33	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-18	0.004525	n/a	4/1/2020	0.0025	No	15	-6.131	0.3833	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-19	0.00396	n/a	4/1/2020	0.0018	No	15	-6.281	0.3916	13.33	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-20	0.005	n/a	4/1/2020	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.0044	n/a	4/1/2020	0.002ND	No	14	n/a	n/a	85.71	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-23	0.0025	n/a	4/1/2020	0.0022	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-4A[*GWB-4A]	0.0096	n/a	3/31/2020	0.002ND	No	37	n/a	n/a	67.57	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5[*GWB-5]	0.0054	n/a	3/31/2020	0.002ND	No	38	n/a	n/a	65.79	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-9	0.0043	n/a	4/1/2020	0.002ND	No	36	n/a	n/a	63.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-13	0.002313	n/a	3/31/2020	0.00034	No	16	0.0307	0.009318	12.5	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-14	0.0025	n/a	4/1/2020	0.00033	No	16	n/a	n/a	43.75	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWA-16[*GWB-16]	0.001798	n/a	4/1/2020	0.00036	No	16	-7.257	0.5015	6.25	None	ln(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-2	0.01	n/a	4/1/2020	0.0013	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0025	n/a	4/1/2020	0.00024	No	36	n/a	n/a	88.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-1	0.0025	n/a	4/1/2020	0.0016	No	37	n/a	n/a	51.35	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.0071	n/a	4/2/2020	0.0025ND	No	37	n/a	n/a	81.08	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.012	n/a	4/1/2020	0.00051	No	37	n/a	n/a	54.05	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	4/1/2020	0.00036	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-17	0.002397	n/a	4/1/2020	0.00023	No	16	0.001142	0.0006723	12.5	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-18	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-20	0.007687	n/a	4/1/2020	0.00094	No	16	0.003524	0.00223	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-21	0.002328	n/a	4/1/2020	0.00088	No	15	0.001647	0.0003563	6.667	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-23	0.01056	n/a	4/1/2020	0.0037	No	11	0.006409	0.001944	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-4A[*GWB-4A]	0.013	n/a	3/31/2020	0.0038	No	37	n/a	n/a	59.46	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5[*GWB-5]	0.011	n/a	3/31/2020	0.00067	No	39	n/a	n/a	51.28	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.0055	n/a	4/1/2020	0.00042	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-13	0.002	n/a	3/31/2020	0.002ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-14	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-16[*GWB-16]	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-2	0.003	n/a	4/1/2020	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0034	n/a	4/1/2020	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3

State Parameters Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-1	0.002	n/a	4/1/2020	0.002ND	No	30	n/a	n/a	100	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.0027	n/a	4/2/2020	0.0013	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.002	n/a	4/1/2020	0.002ND	No	31	n/a	n/a	100	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15[*GWB-15]	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.0021	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-18	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-19	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-21	0.002	n/a	4/1/2020	0.002ND	No	9	n/a	n/a	77.78	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	n/a	4/1/2020	0.002ND	No	5	n/a	n/a	80	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	**GWC-4A[*GWB-4A]**	**0.0025**	**n/a**	**3/31/2020**	**0.0051**	**Yes**	**31**	**n/a**	**n/a**	**96.77**	**n/a**	**n/a**	**0.0001701**	**NP Intra (NDs) 1 of 3**
Copper (mg/L)	GWC-5[*GWB-5]	0.0021	n/a	3/31/2020	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0021	n/a	4/1/2020	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-13	0.001	n/a	3/31/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-14	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-16[*GWB-16]	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.001	n/a	4/2/2020	0.00025	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-21	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-23	0.001	n/a	4/1/2020	0.001ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-4A[*GWB-4A]	0.0013	n/a	3/31/2020	0.00024	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5[*GWB-5]	0.001	n/a	3/31/2020	0.001ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-13	0.001	n/a	3/31/2020	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-14	0.0025	n/a	4/1/2020	0.00043	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-16[*GWB-16]	0.001	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-2	0.0043	n/a	4/1/2020	0.00077	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.001	n/a	4/1/2020	0.001ND	No	29	n/a	n/a	100	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-1	0.0025	n/a	4/1/2020	0.00099	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-10	0.0013	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.0049	n/a	4/2/2020	0.0009	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.0057	n/a	4/1/2020	0.0008	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-15[*GWB-15]	0.001	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-17	0.004116	n/a	4/1/2020	0.0016	No	10	0.00261	0.0006773	10	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-18	0.0021	n/a	4/1/2020	0.00095	No	10	0.001687	0.0001857	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-19	0.002889	n/a	4/1/2020	0.0014	No	10	0.0019	0.0004447	0	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-20	0.006567	n/a	4/1/2020	0.001	No	10	0.003595	0.001337	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-21	0.0025	n/a	4/1/2020	0.00067	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-23	0.004782	n/a	4/1/2020	0.0013	No	5	0.001907	0.0006403	20	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-4A[*GWB-4A]	0.0072	n/a	3/31/2020	0.0028	No	31	n/a	n/a	74.19	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5[*GWB-5]	0.0031	n/a	3/31/2020	0.001ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.0033	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-13	0.005	n/a	3/31/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-16[*GWB-16]	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-2	0.005	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-3	0.005	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-1	0.005	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-10	0.005	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.005	n/a	4/2/2020	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-15[*GWB-15]	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-18	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-19	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-20	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-21	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-4A[*GWB-4A]	0.005	n/a	3/31/2020	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5[*GWB-5]	0.005	n/a	3/31/2020	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3

State Parameters Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 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)	GWC-9	0.0058	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.001	n/a	4/2/2020	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-13	0.001	n/a	3/31/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-14	0.0005	n/a	4/1/2020	0.00018	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-16[*GWB-16]	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-2	0.001	n/a	4/1/2020	0.00017	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-10	0.0005	n/a	4/1/2020	0.00031	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-11	0.001	n/a	4/2/2020	0.00028	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-12	0.001	n/a	4/1/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-17	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-18	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Thallium (mg/L)	GWC-19	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-20	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-21	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-23	0.001	n/a	4/1/2020	0.001ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	3/31/2020	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5[*GWB-5]	0.001	n/a	3/31/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.001	n/a	4/1/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-13	0.0018	n/a	3/31/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-14	0.001	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-16[*GWB-16]	0.0015	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-2	0.0051	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.005	n/a	4/1/2020	0.001ND	No	30	n/a	n/a	83.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-1	0.0032	n/a	4/1/2020	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.0087	n/a	4/1/2020	0.0012	No	31	n/a	n/a	80.65	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	4/2/2020	0.0016	No	30	n/a	n/a	73.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.0075	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15[*GWB-15]	0.0017	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-17	0.001	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-18	0.005391	n/a	4/1/2020	0.0024	No	10	0.00283	0.001152	0	None	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-19	0.006157	n/a	4/1/2020	0.001ND	No	10	0.1199	0.02849	20	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-20	0.0074	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-21	0.0058	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-23	0.006305	n/a	4/1/2020	0.001ND	No	5	0.001498	0.001071	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-4A[*GWB-4A]	0.0033	n/a	3/31/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5[*GWB-5]	0.0035	n/a	3/31/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0091	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-13	0.00446	n/a	3/31/2020	0.005ND	No	10	0.003017	0.0006491	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-14	0.01002	n/a	4/1/2020	0.005ND	No	10	-5.575	0.437	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-16[*GWB-16]	0.005037	n/a	4/1/2020	0.005ND	No	10	0.003817	0.000549	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	n/a	4/1/2020	0.0066	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWA-3	0.045	n/a	4/1/2020	0.005ND	No	30	n/a	n/a	43.33	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-1	0.02	n/a	4/1/2020	0.0046	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-10	0.019	n/a	4/1/2020	0.005ND	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.02	n/a	4/2/2020	0.0049	No	30	n/a	n/a	66.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005828	n/a	4/1/2020	0.005ND	No	31	0.1507	0.01782	32.26	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-15[*GWB-15]	0.01135	n/a	4/1/2020	0.005ND	No	10	-5.422	0.4242	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-17	0.02	n/a	4/1/2020	0.005	No	10	n/a	n/a	30	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-18	0.01755	n/a	4/1/2020	0.005ND	No	10	-5.696	0.7436	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-19	0.009538	n/a	4/1/2020	0.005ND	No	10	0.05943	0.01719	40	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-20	0.008421	n/a	4/1/2020	0.005ND	No	10	0.004843	0.001609	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-21	0.02	n/a	4/1/2020	0.0032	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-23	0.02	n/a	4/1/2020	0.0033	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-4A[*GWB-4A]	0.02	n/a	3/31/2020	0.013	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-5[*GWB-5]	0.017	n/a	3/31/2020	0.005ND	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-9	0.0077	n/a	4/1/2020	0.005ND	No	31	n/a	n/a	64.52	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3

Appendix III Intrawell Prediction Limits - Signficant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:44 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**	**1.2**	**n/a**	**3/31/2020**	**1.4**	**Yes**	**14**	**n/a**	**n/a**	**64.29**	**n/a**	**n/a**	**0.008612**	**NP Intra (NDs) 1 of 2**

Appendix III Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:44 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**	**1.2**	**n/a**	**3/31/2020**	**1.4**	**Yes**	**14**	**n/a**	**n/a**	**64.29**	**n/a**	**n/a**	**0.008612**	**NP Intra (NDs) 1 of 2**
Sulfate (mg/L)	GWA-14	6.271	n/a	4/1/2020	0.67	No	14	1.129	0.2915	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16[*GWB-16]	1	n/a	4/1/2020	0.73	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.685	n/a	4/1/2020	0.95	No	14	-0.1075	0.2566	50	Kaplan-Meier	ln(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	1.244	n/a	4/1/2020	1.1	No	14	0.8887	0.1448	42.86	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.516	n/a	4/1/2020	2	No	14	1.462	0.4296	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	6.13	n/a	4/1/2020	2.2	No	14	3.559	1.048	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.226	n/a	4/2/2020	3.4	No	14	4.562	0.6784	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	4/1/2020	0.91	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-15[*GWB-15]	1.2	n/a	4/1/2020	0.49	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	2.718	n/a	4/1/2020	1ND	No	14	1.068	0.2368	35.71	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	5.927	n/a	4/1/2020	4.1	No	14	4.774	0.4701	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	3.003	n/a	4/1/2020	2.1	No	14	1.936	0.4348	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	5.519	n/a	4/1/2020	1.6	No	14	1.362	0.4024	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.925	n/a	4/1/2020	0.81	No	14	1.103	0.3353	14.29	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	3.792	n/a	4/1/2020	2	No	13	2.577	0.485	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-4A[*GWB-4A]	14.53	n/a	3/31/2020	6.2	No	14	7.479	2.873	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5[*GWB-5]	1	n/a	3/31/2020	0.76	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.571	n/a	4/1/2020	4.1	No	14	1.088	0.2332	28.57	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/17/2020, 12:50 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method	
Chloride (mg/L)	**GWC-9**	**9.4**	**n/a**	**4/1/2020**	**9.7**	**Yes**	**150**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008795**	**NP Inter**	**1 of 2**

Appendix III Interwell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/17/2020, 12:50 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method	
Boron (mg/L)	GWC-1	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-10	0.08	n/a	4/1/2020	0.068J	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-11	0.08	n/a	4/2/2020	0.066J	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-12	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-19	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-20	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-21	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-23	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-9	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	4/1/2020	1.9	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	4/1/2020	21	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	4/2/2020	8.5	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	4/1/2020	0.7	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	4/1/2020	8.7	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	4/1/2020	1.8	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	4/1/2020	1.1	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	4/1/2020	1.4	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	4/1/2020	0.2J	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Chloride (mg/L)	GWC-1	9.4	n/a	4/1/2020	5.9	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-10	9.4	n/a	4/1/2020	6.9	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-11	9.4	n/a	4/2/2020	4.6	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-12	9.4	n/a	4/1/2020	3.7	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-19	9.4	n/a	4/1/2020	7.3	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-20	9.4	n/a	4/1/2020	8.6	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-21	9.4	n/a	4/1/2020	6.5	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-23	9.4	n/a	4/1/2020	4.9	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	**GWC-9**	**9.4**	**n/a**	**4/1/2020**	**9.7**	**Yes**	**150**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008795**	**NP Inter**	**1 of 2**
Fluoride (mg/L)	GWC-1	0.74	n/a	4/1/2020	0.1ND	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	4/1/2020	0.26	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	4/2/2020	0.26	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	4/1/2020	0.1ND	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	4/1/2020	0.11	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	4/1/2020	0.082J	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	4/1/2020	0.04J	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	4/1/2020	0.05J	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	4/1/2020	0.051J	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
pH (S.U.)	GWC-1	7.1	4.21	4/1/2020	5	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-10	7.1	4.21	4/1/2020	6.52	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-11	7.1	4.21	4/2/2020	6.38	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-12	7.1	4.21	4/1/2020	5.05	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-19	7.1	4.21	4/1/2020	5.67	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-20	7.1	4.21	4/1/2020	5.03	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-21	7.1	4.21	4/1/2020	5.04	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-23	7.1	4.21	4/1/2020	5.23	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-9	7.1	4.21	4/1/2020	4.93	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-1	150	n/a	4/1/2020	39	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	4/1/2020	130	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	4/2/2020	63	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	4/1/2020	20	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	4/1/2020	52	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	4/1/2020	26	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	4/1/2020	21	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	4/1/2020	25	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	4/1/2020	36	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2

Appendix III Trend Tests - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/17/2020, 12:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	**GWA-3 (bg)**	**-1.344**	**-87**	**-53**	**Yes**	**15**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**GWC-9**	**-0.9557**	**-89**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Tests - All Results

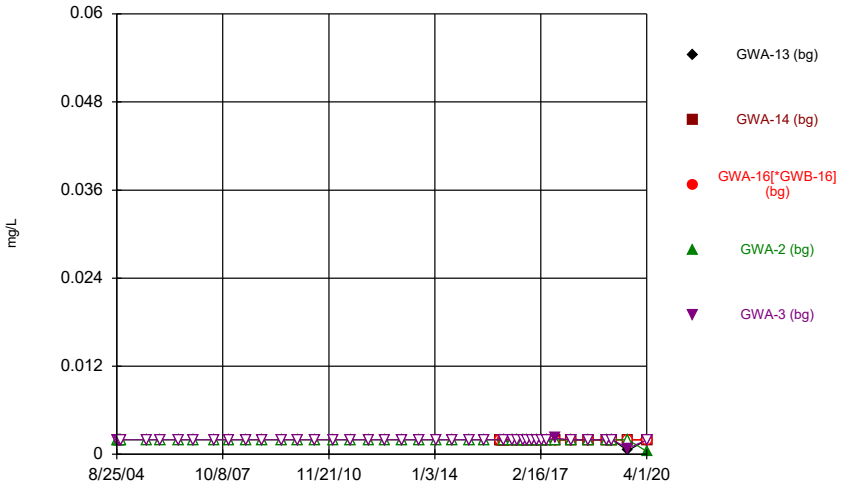
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/17/2020, 12:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-13 (bg)	-0.02963	-17	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-14 (bg)	-0.1354	-48	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-16[*GWB-16] (bg)	-0.06486	-30	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.06518	-35	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWA-3 (bg)**	**-1.344**	**-87**	**-53**	**Yes**	**15**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWC-15[*GWB-15] (bg)	-0.0488	-20	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-17 (bg)	0.01473	11	53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-18 (bg)	-0.144	-50	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-4A[*GWB-4A] (bg)	0.178	30	53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-5[*GWB-5] (bg)	0	-9	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWC-9**	**-0.9557**	**-89**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

FIGURE A.

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
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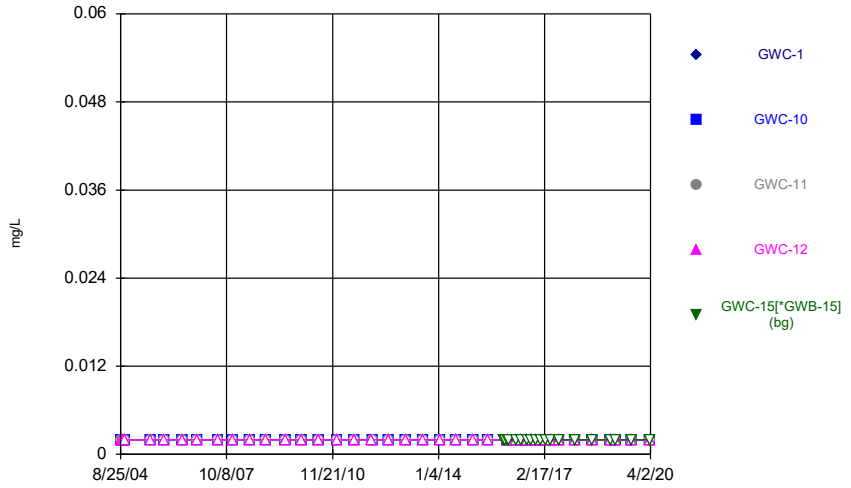

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Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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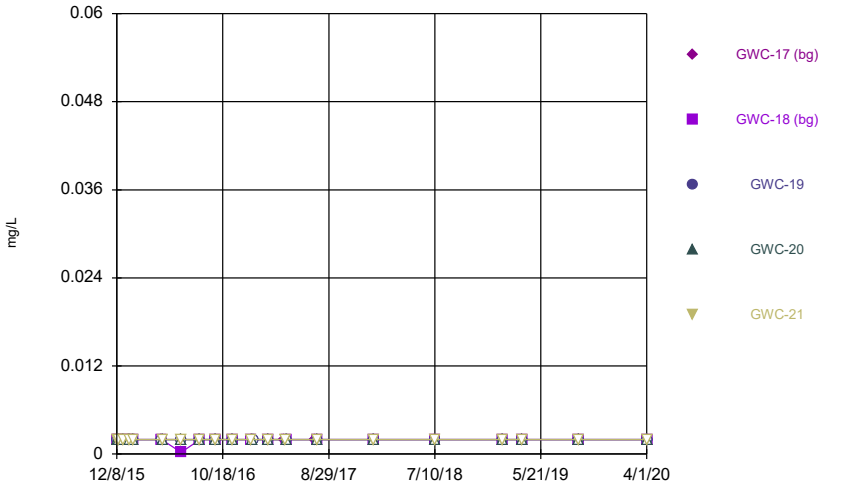

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Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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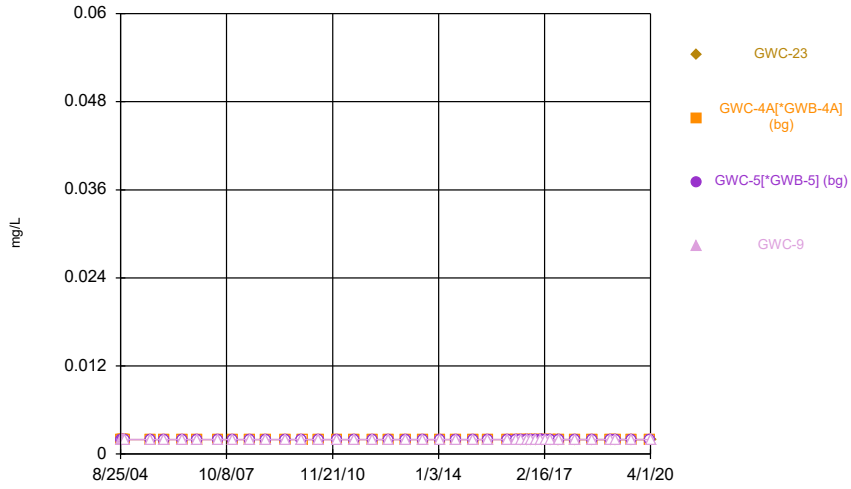

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Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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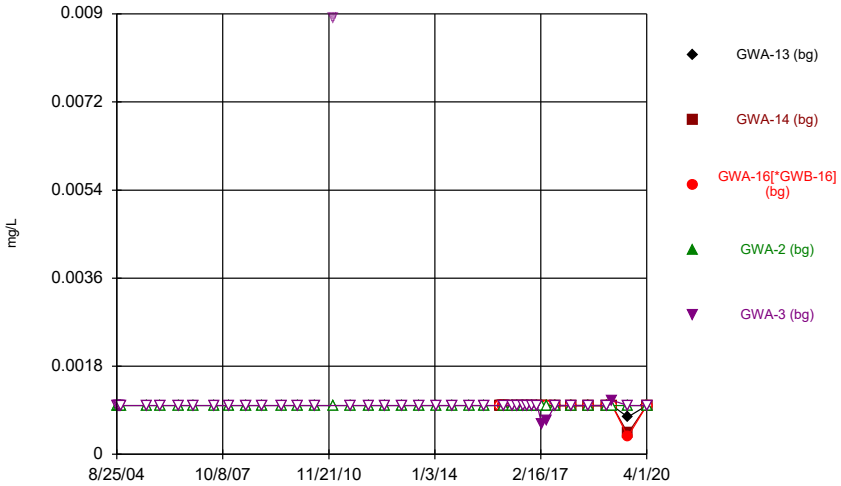

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Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
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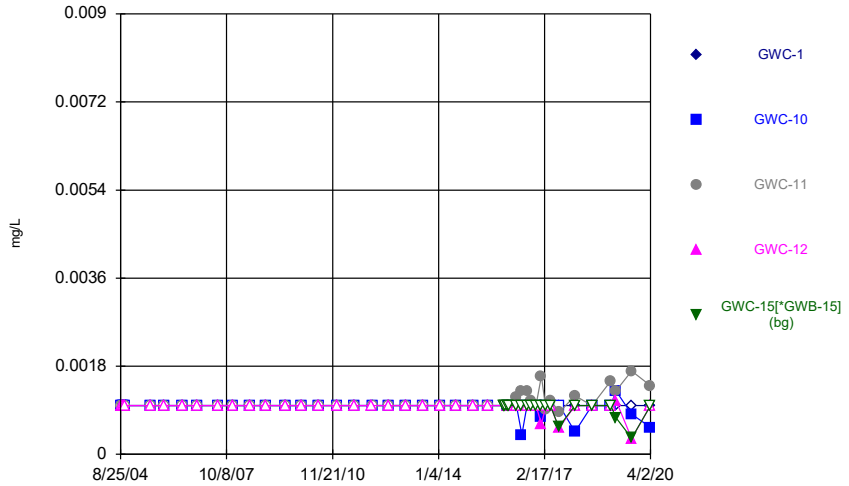

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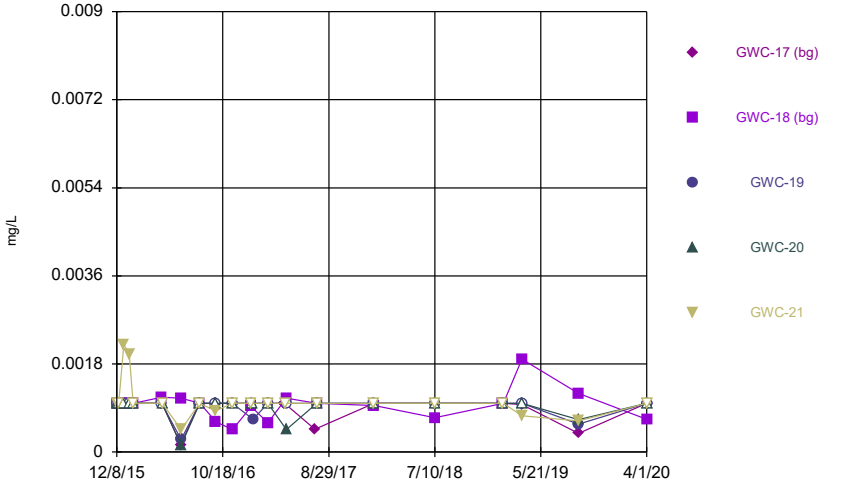

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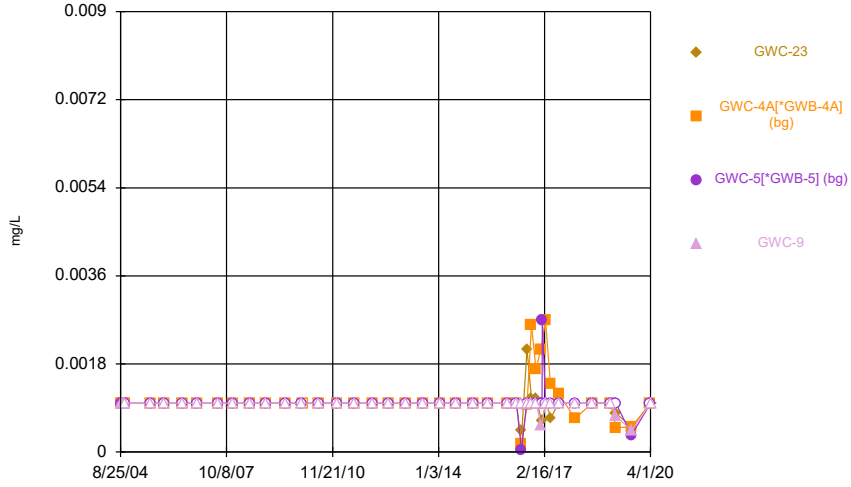

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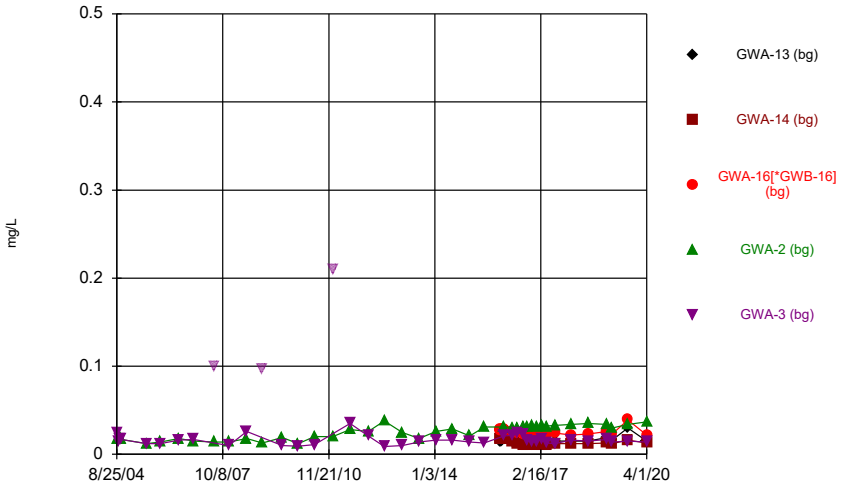
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series



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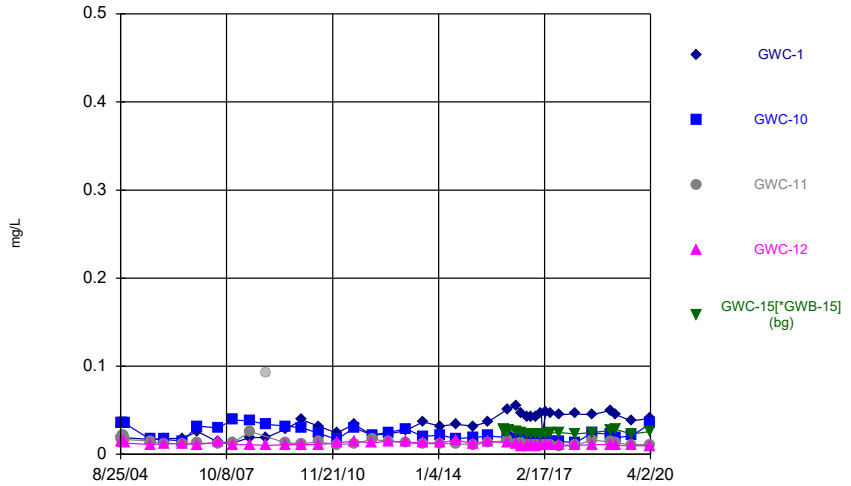
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series



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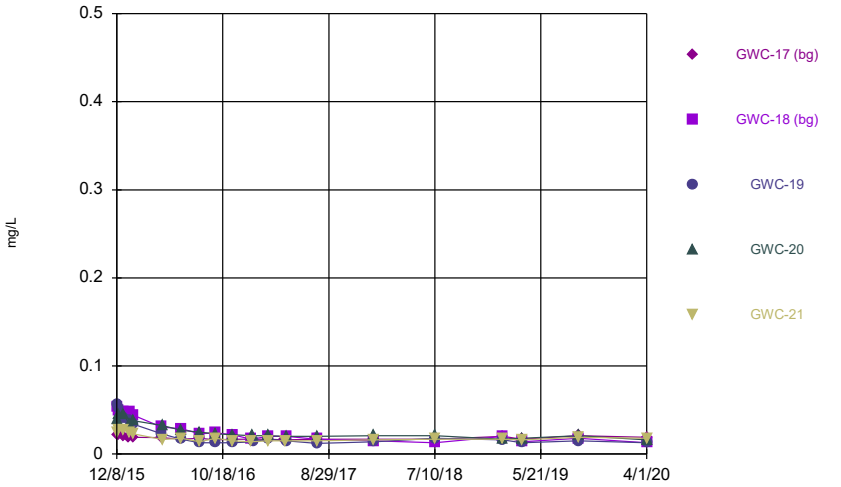

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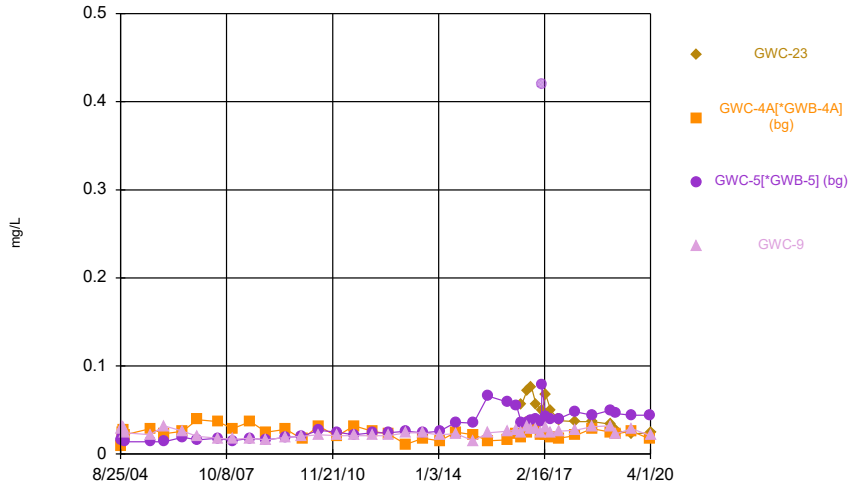

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Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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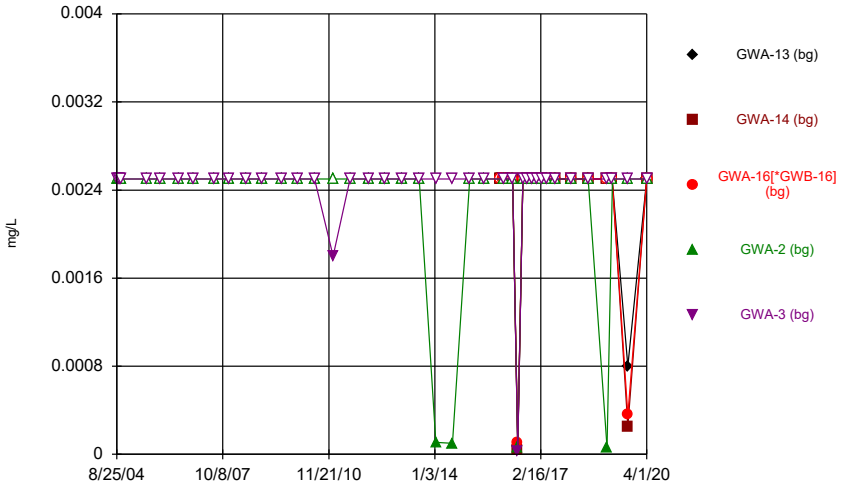

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Hollow symbols indicate censored values.

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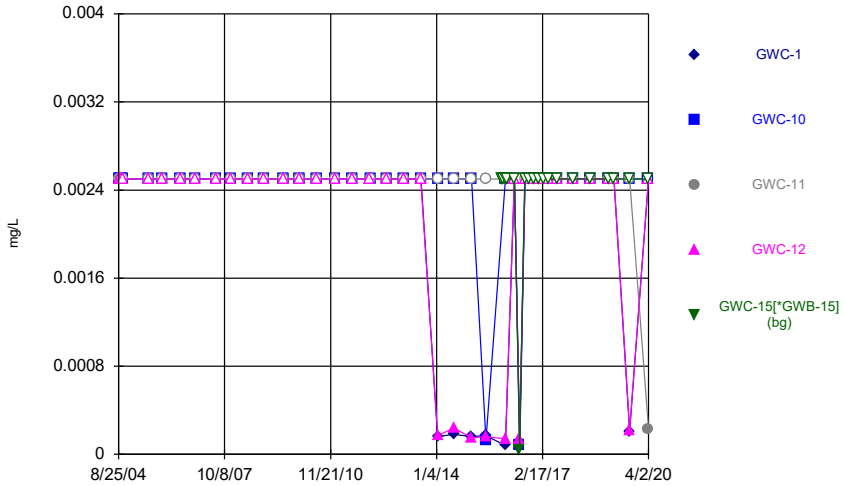

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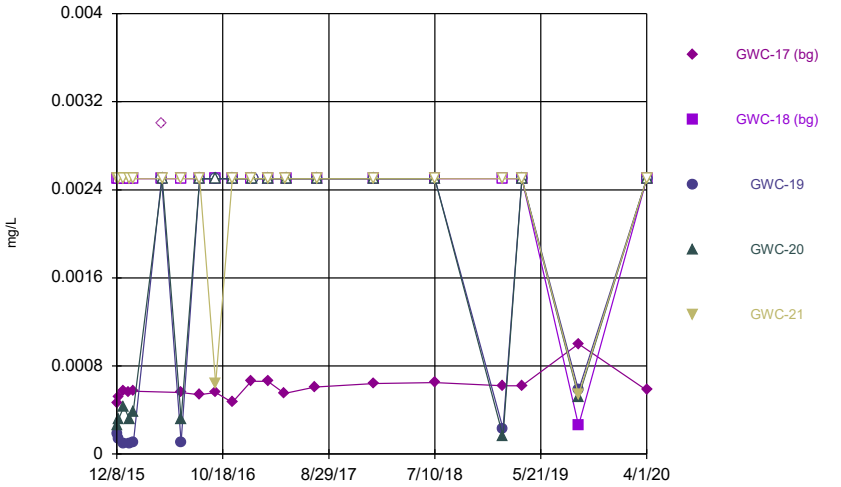

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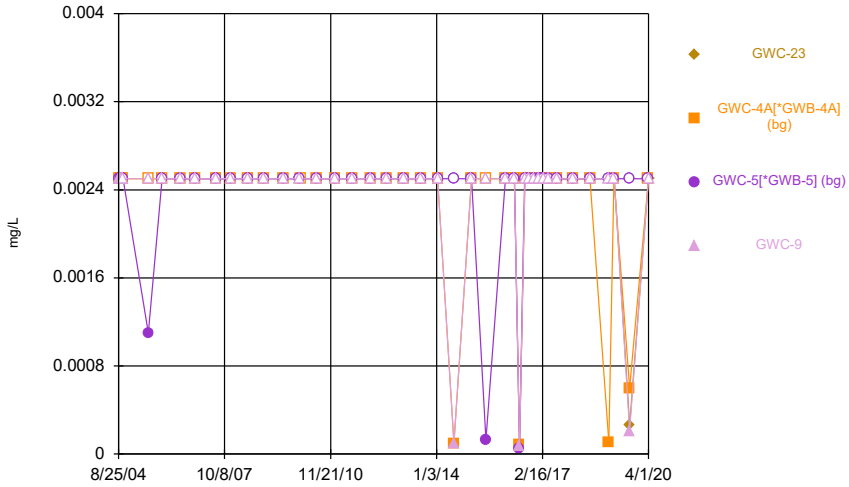

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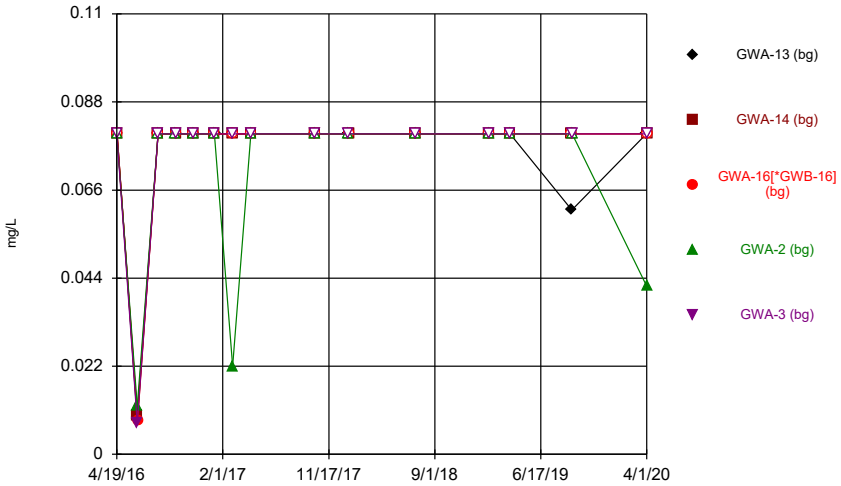

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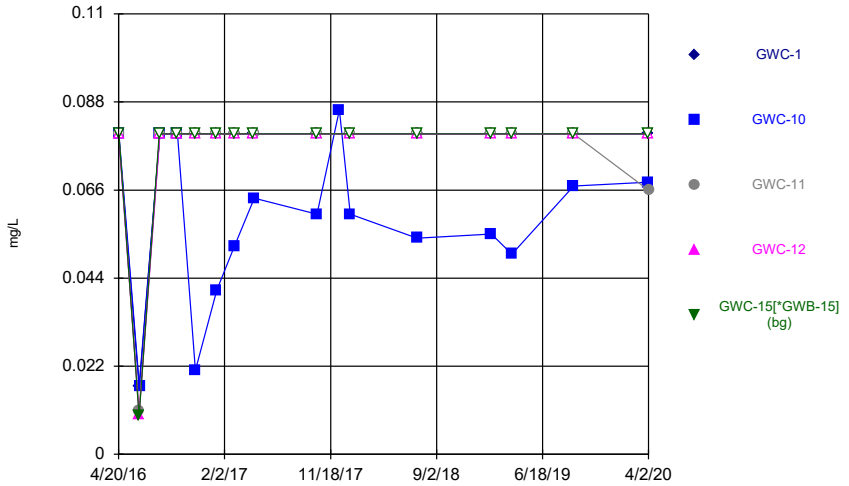

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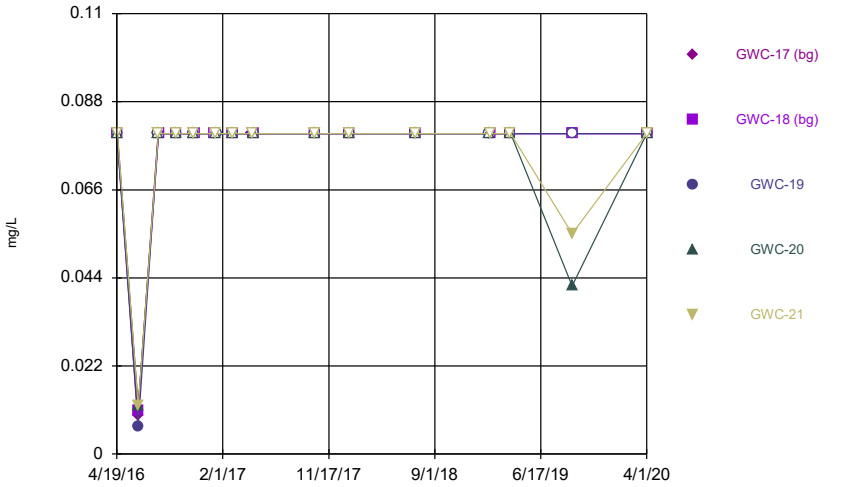

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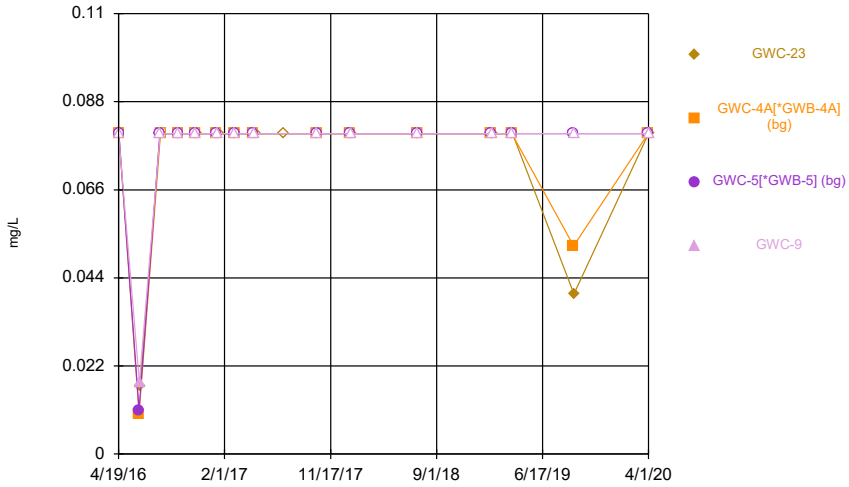

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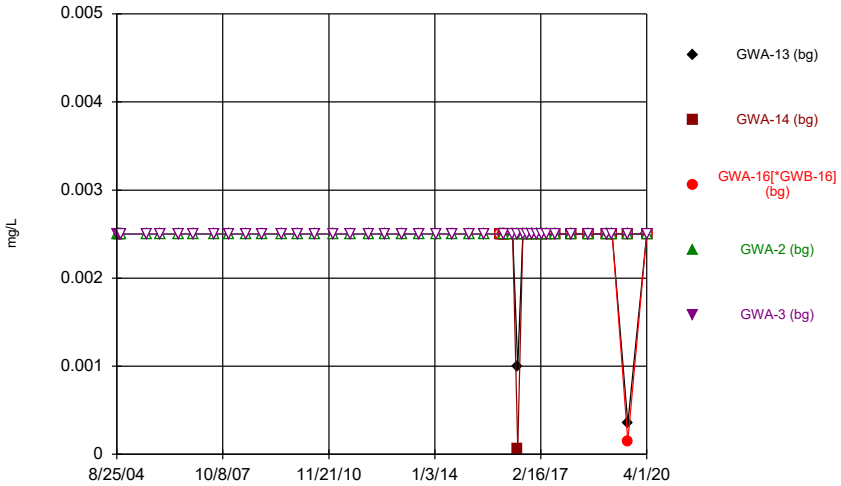

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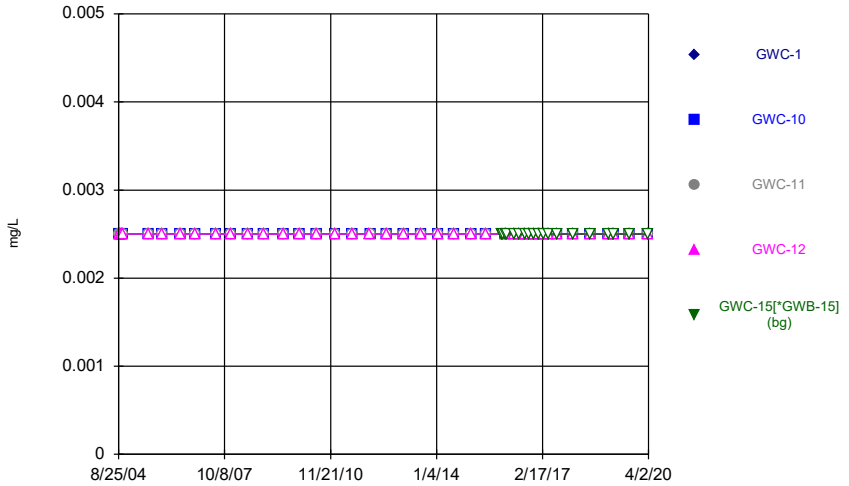

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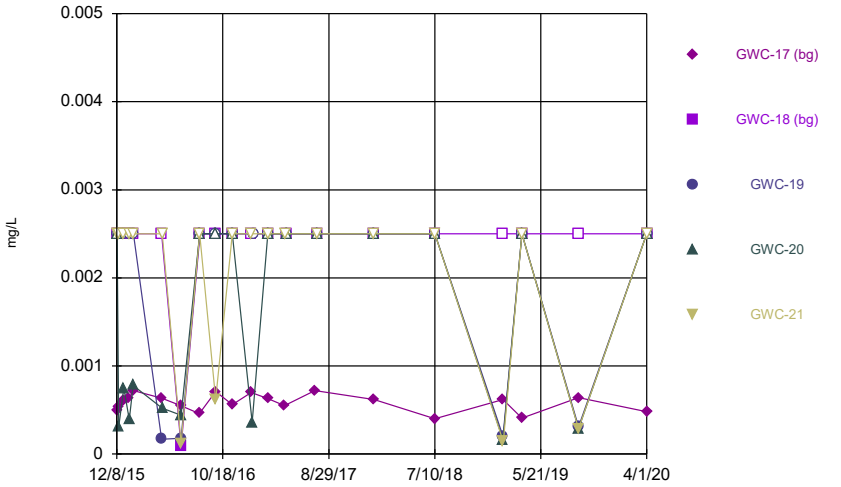

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Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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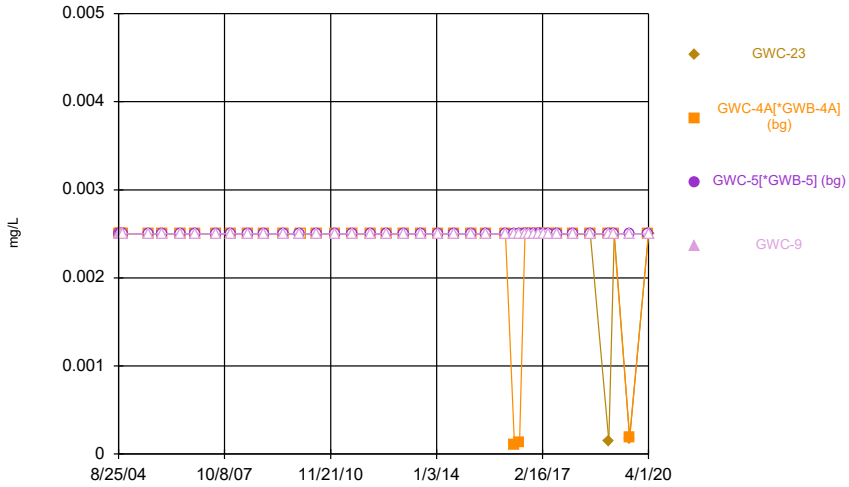
Time Series



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Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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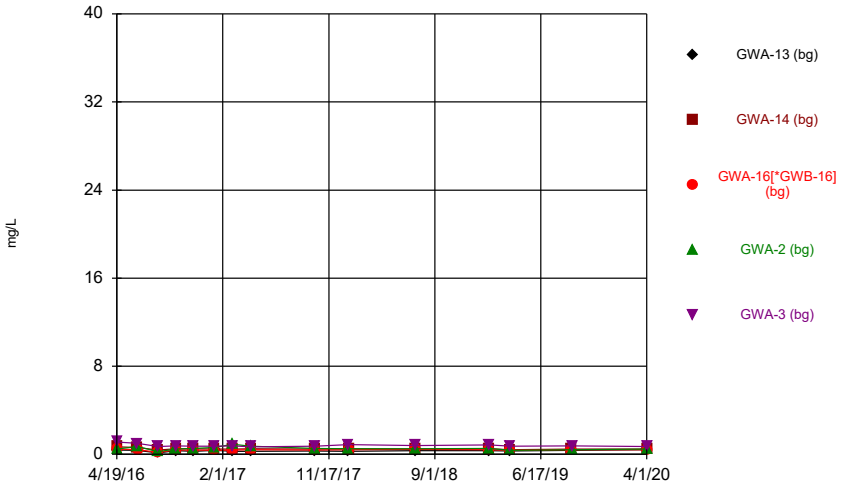
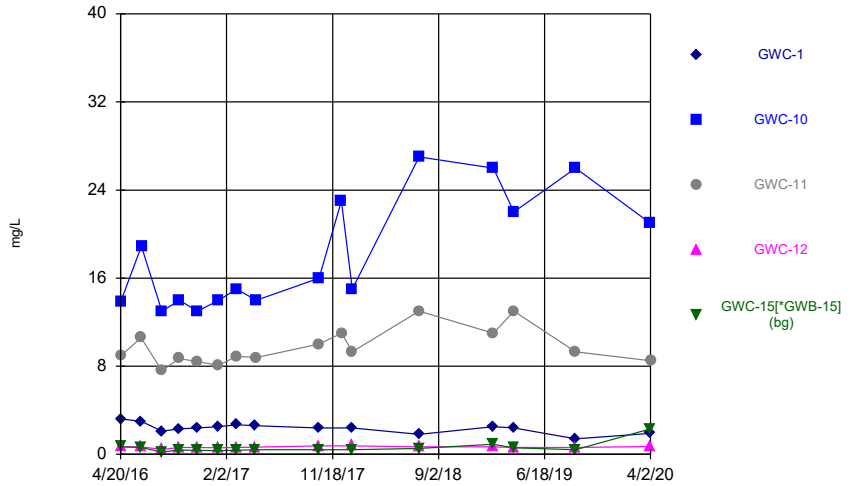


Constituent: Calcium Analysis Run 6/12/2020 11:08 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series



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Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

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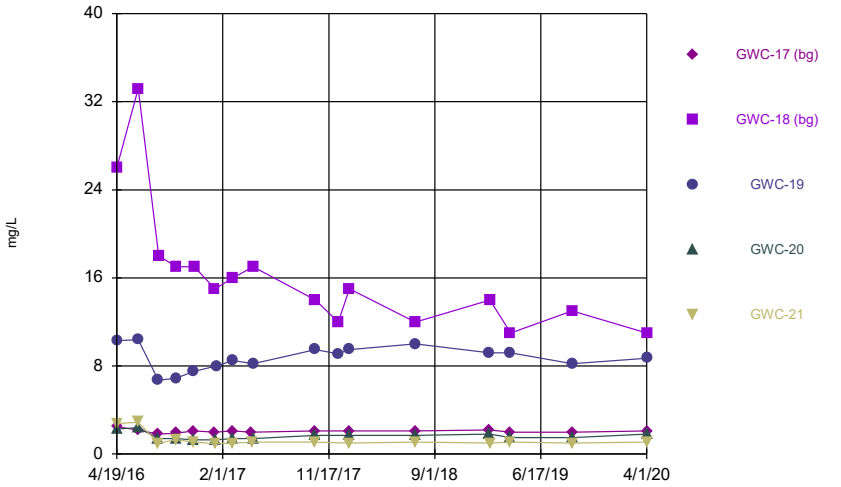

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Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

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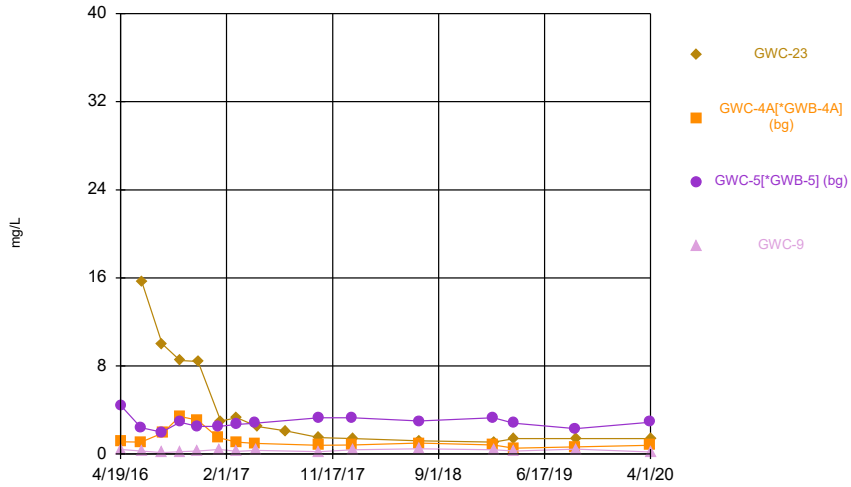

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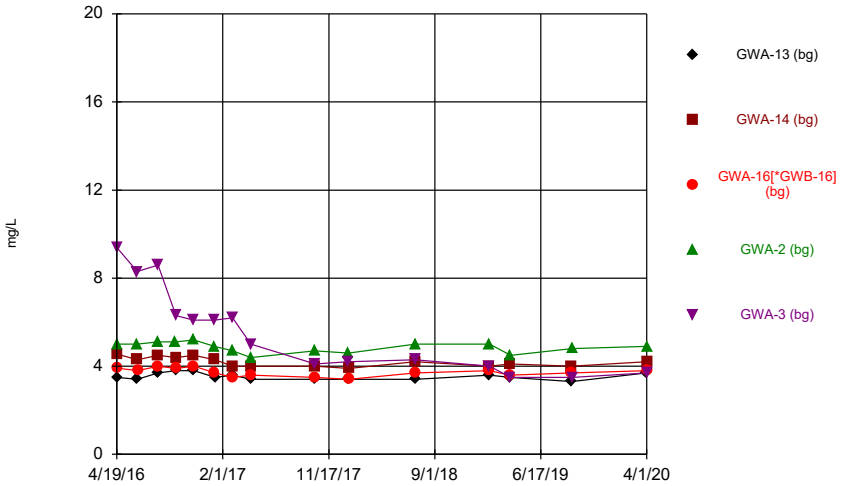
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series

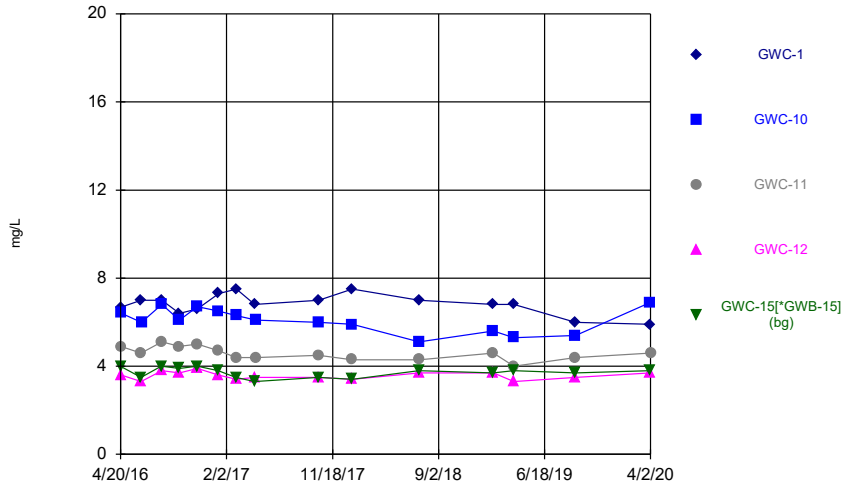


Constituent: Chloride Analysis Run 6/12/2020 11:08 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series

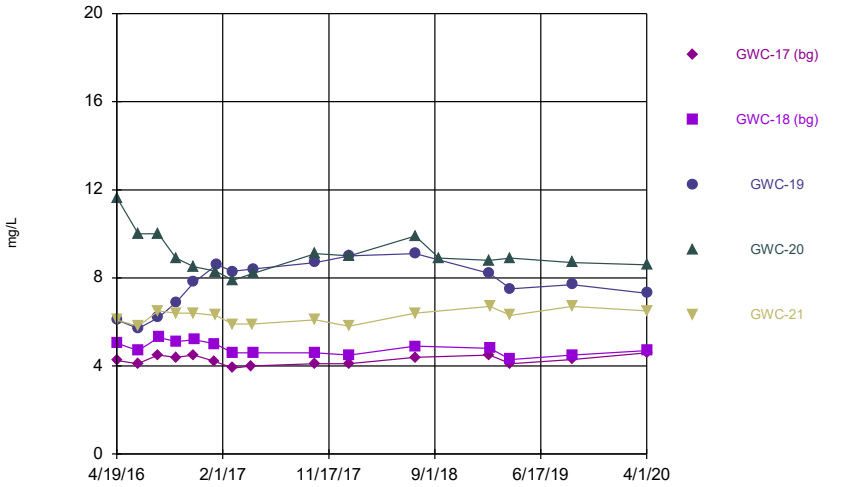


Constituent: Chloride Analysis Run 6/12/2020 11:08 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series

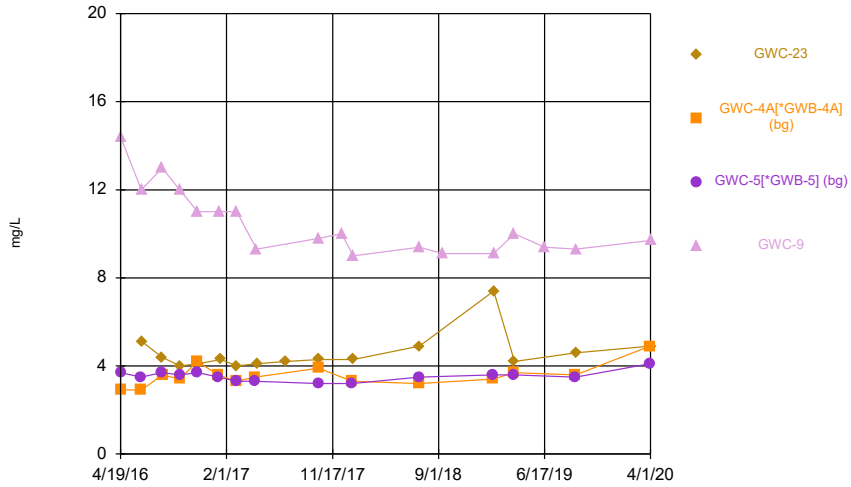


Constituent: Chloride Analysis Run 6/12/2020 11:08 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series

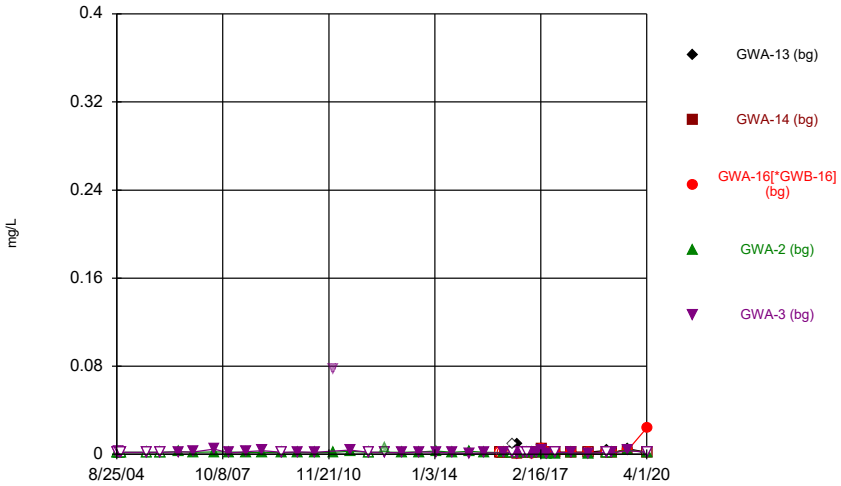


Constituent: Chloride Analysis Run 6/12/2020 11:08 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

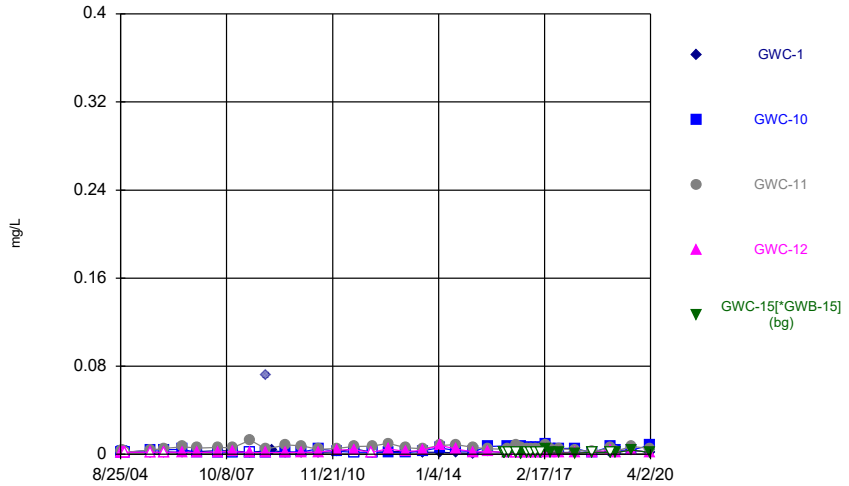
Time Series



Constituent: Chromium Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

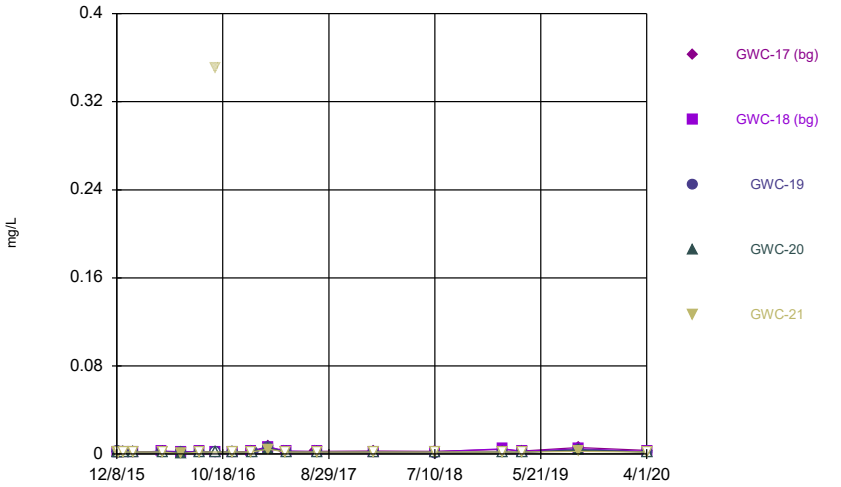
Time Series



Constituent: Chromium Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

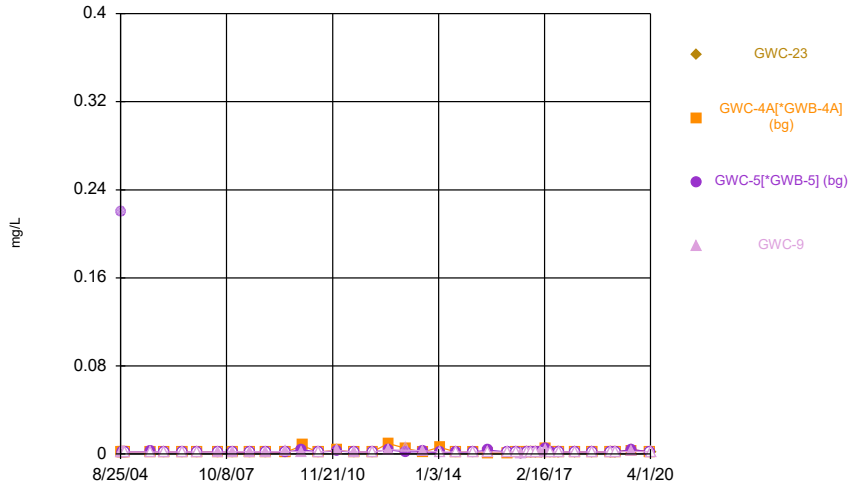
Time Series



Constituent: Chromium Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

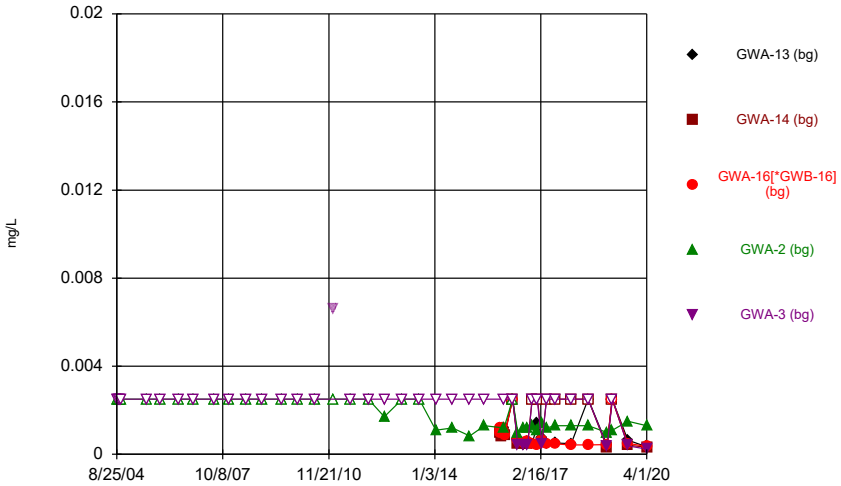
Time Series



Constituent: Chromium Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

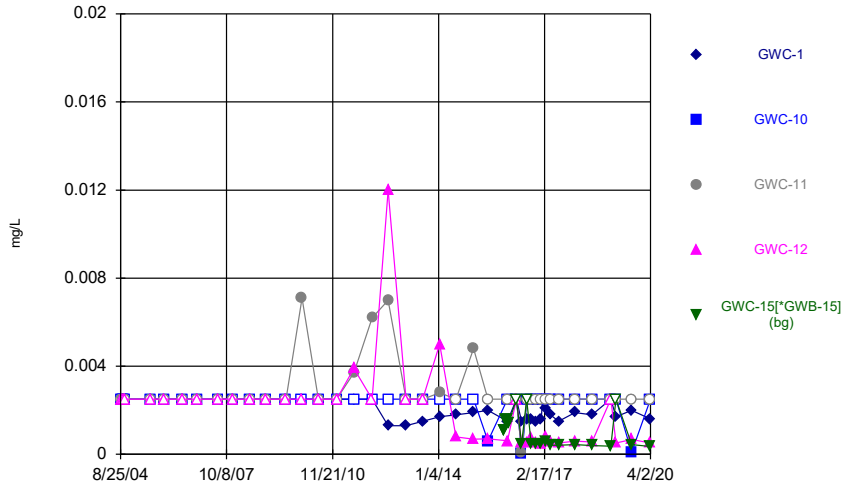
Time Series



Constituent: Cobalt Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

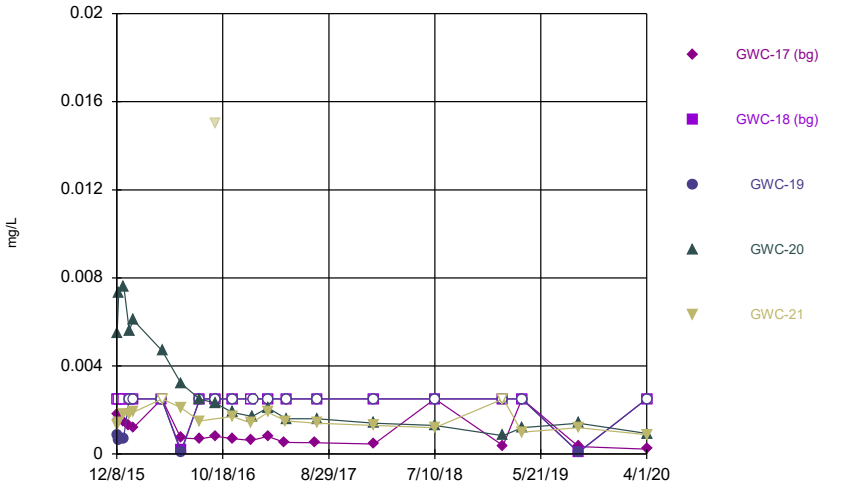
Time Series



Constituent: Cobalt Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

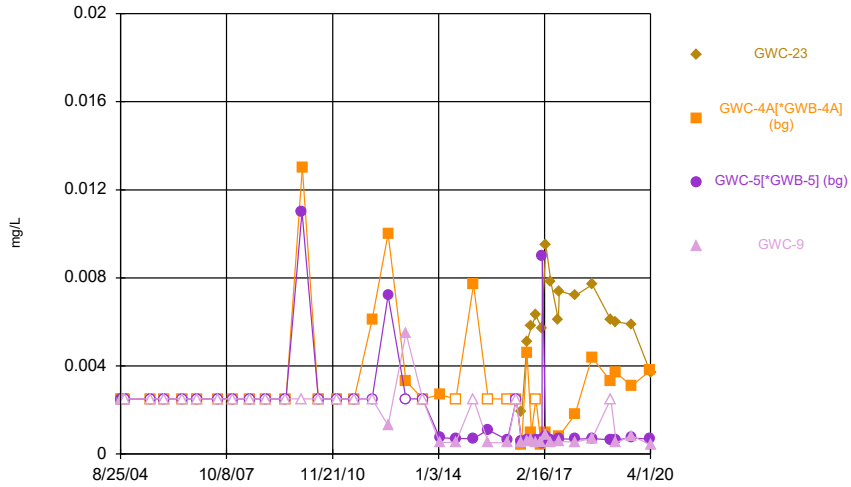
Time Series



Constituent: Cobalt Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

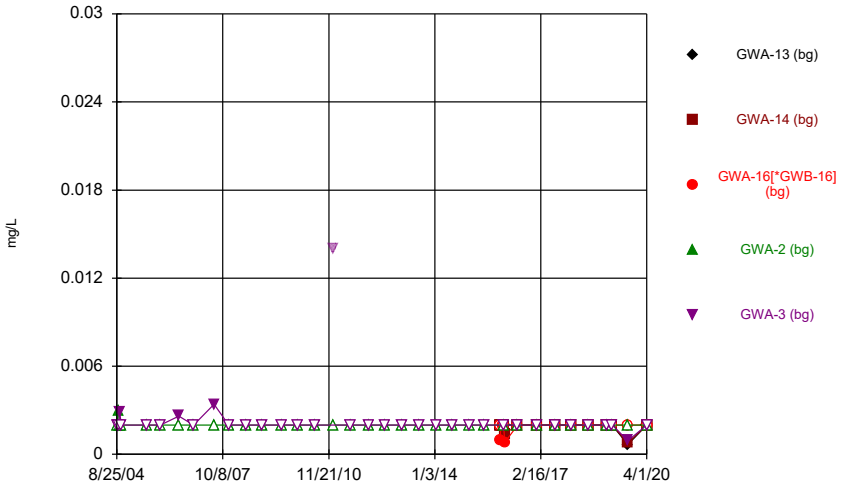
Time Series



Constituent: Cobalt Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

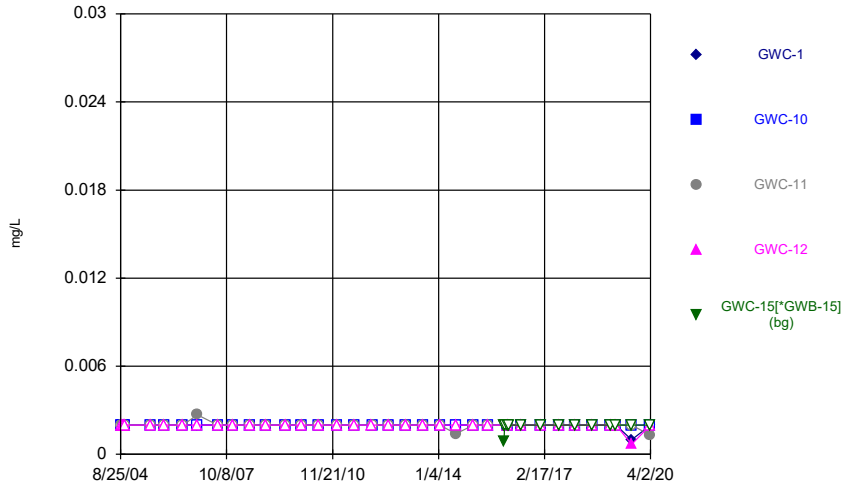
Time Series



Constituent: Copper Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

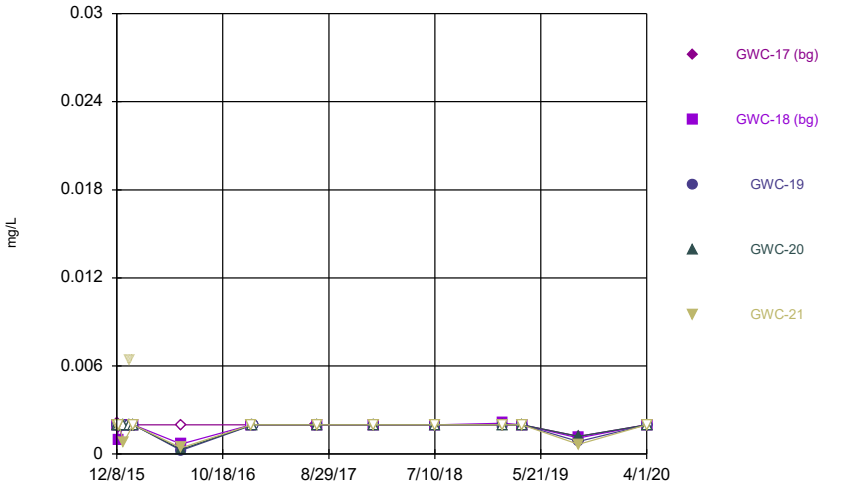
Time Series



Constituent: Copper Analysis Run 6/12/2020 11:08 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

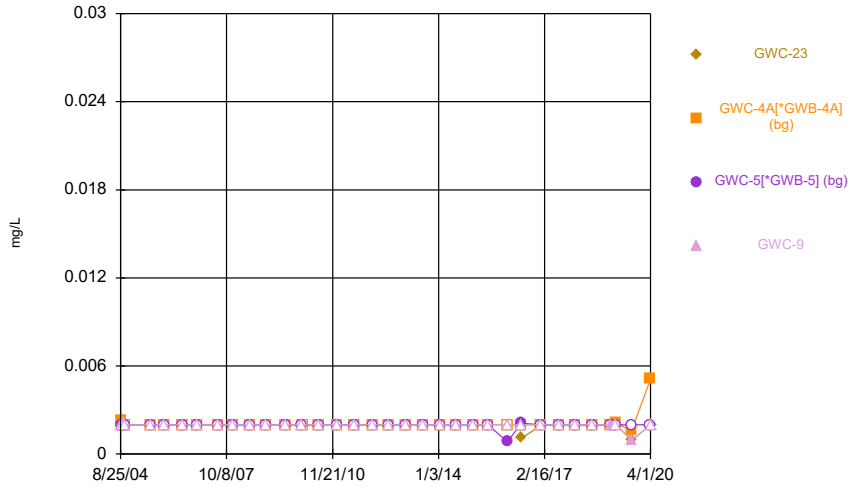
Time Series



Constituent: Copper Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

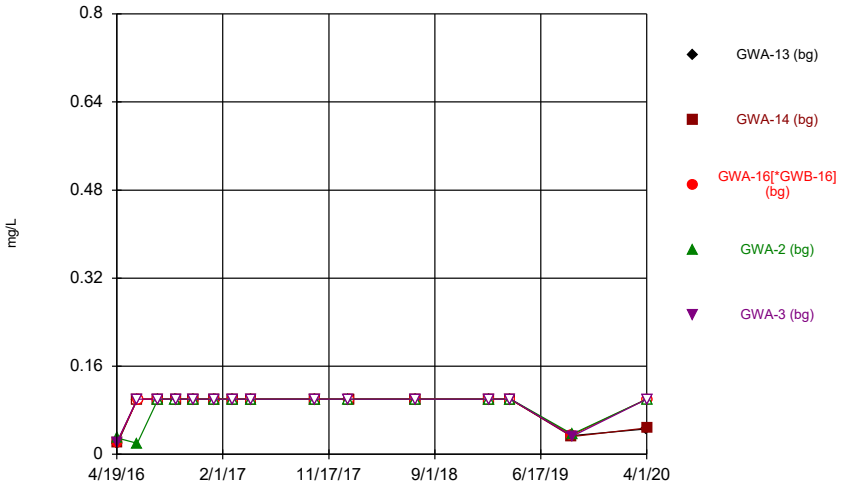
Time Series



Constituent: Copper Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

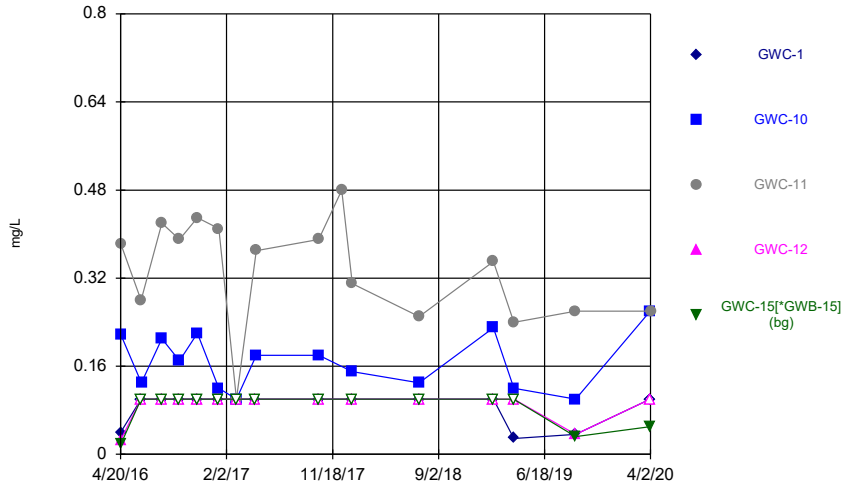
Time Series



Constituent: Fluoride Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

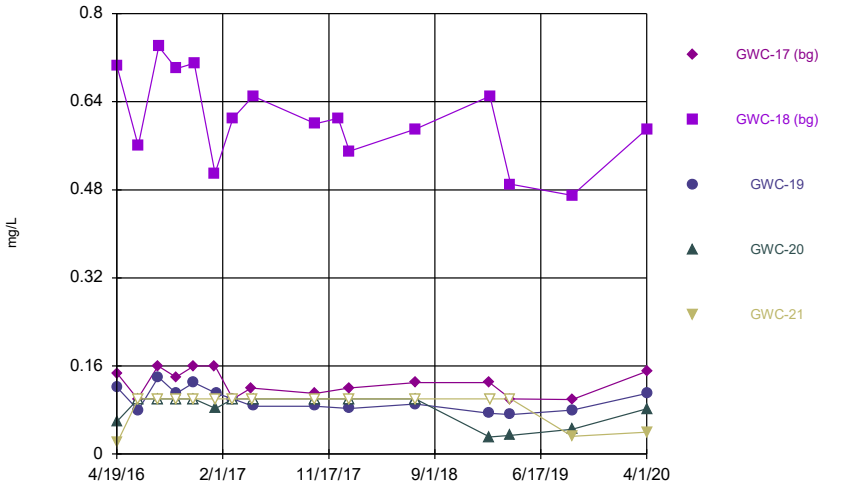
Time Series



Constituent: Fluoride Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

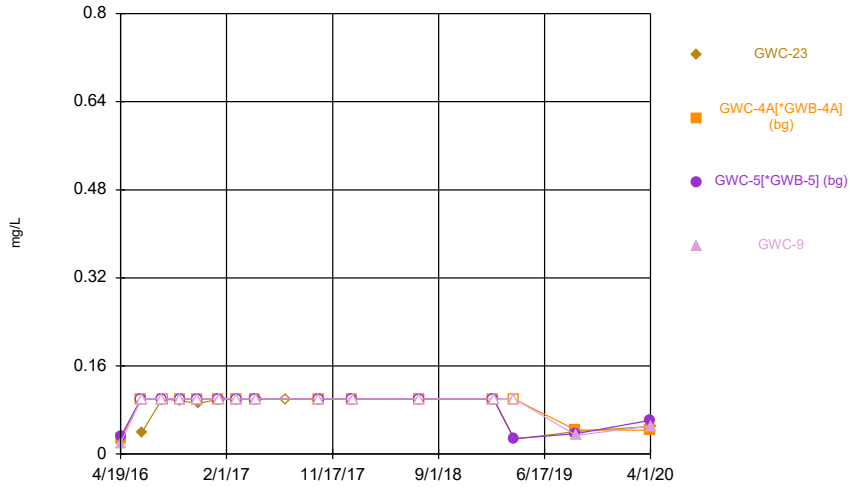
Time Series



Constituent: Fluoride Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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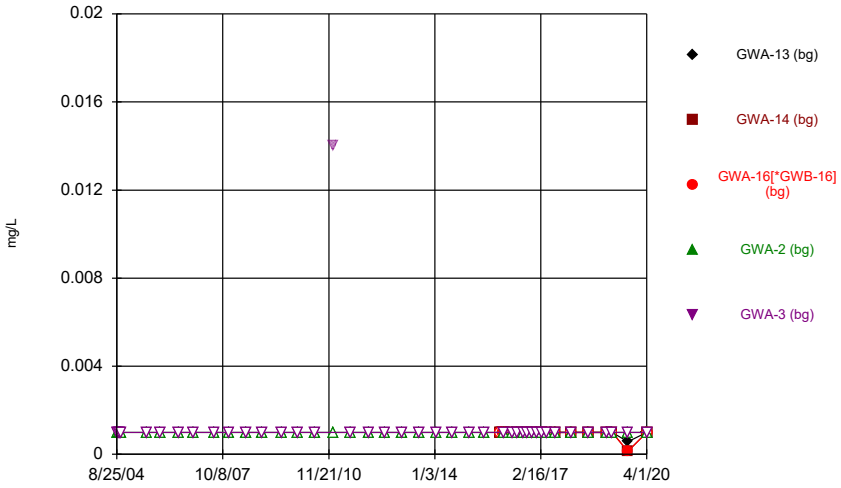
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

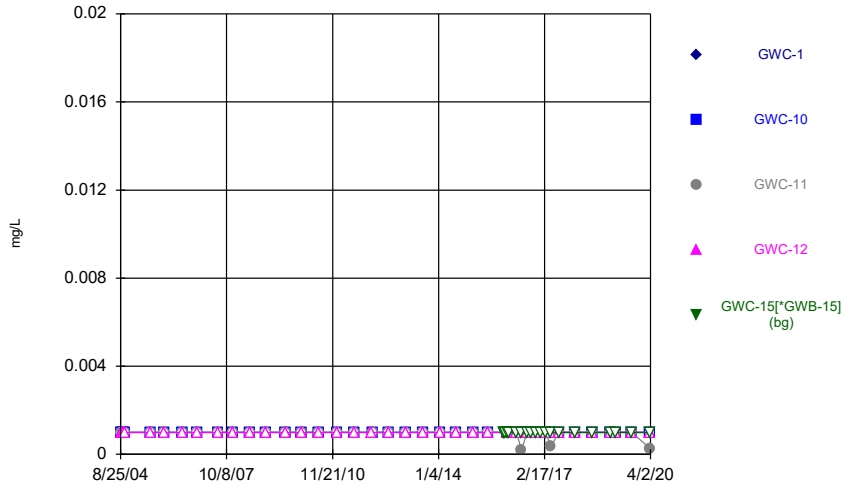
Time Series



Constituent: Lead Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

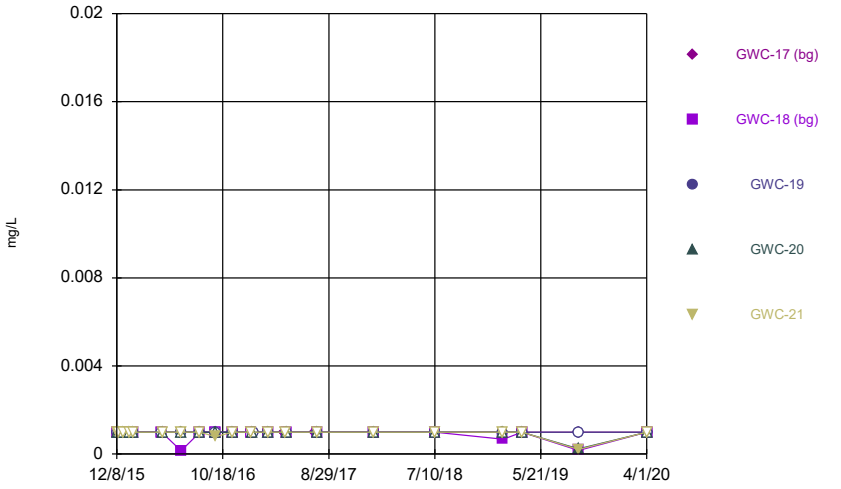
Time Series



Constituent: Lead Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

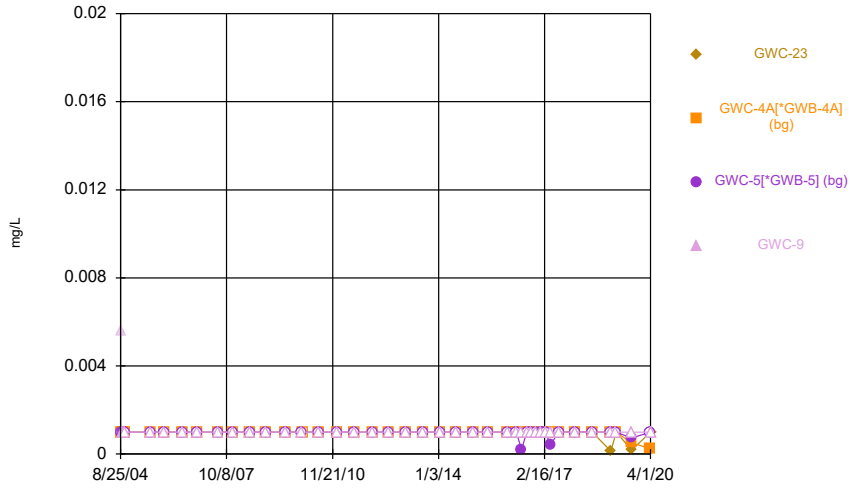
Time Series



Constituent: Lead Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

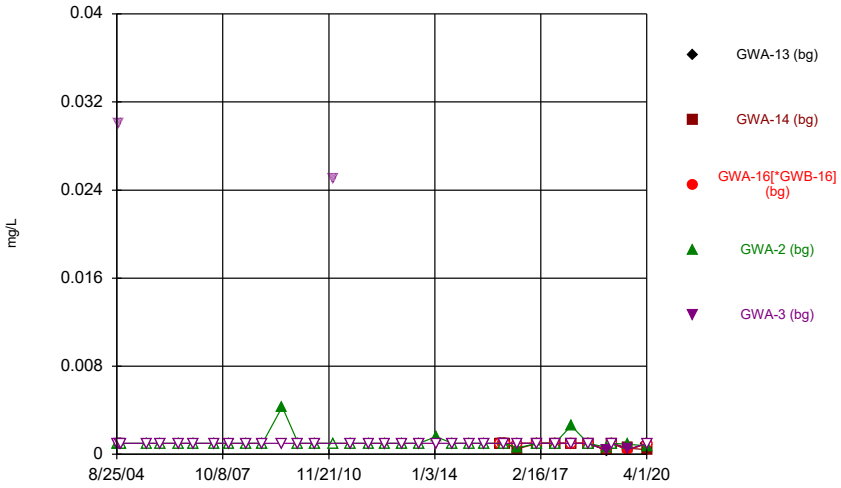
Time Series



Constituent: Lead Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

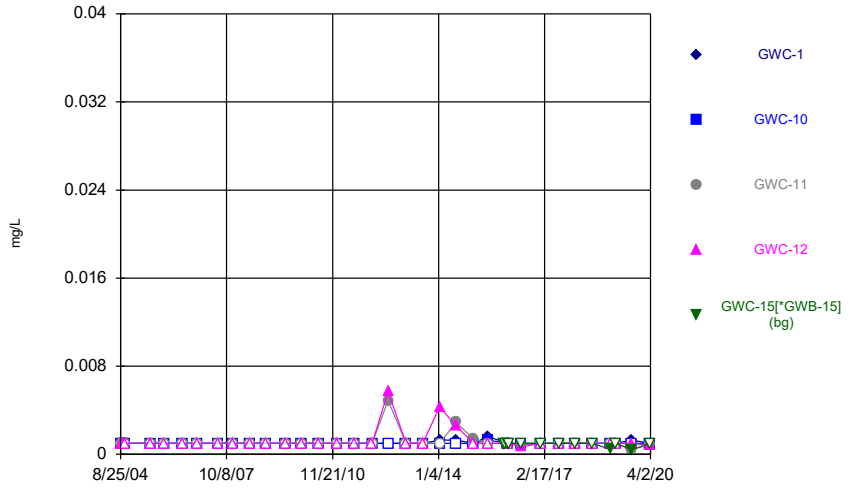
Time Series



Constituent: Nickel Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

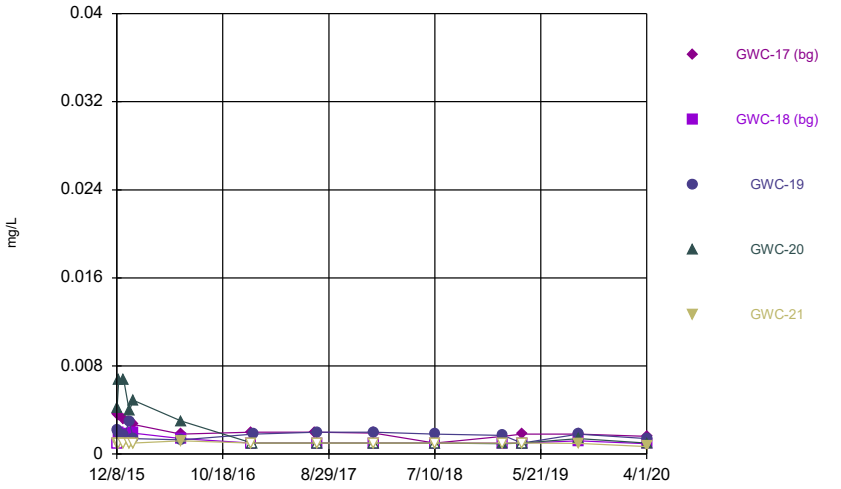
Time Series



Constituent: Nickel Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

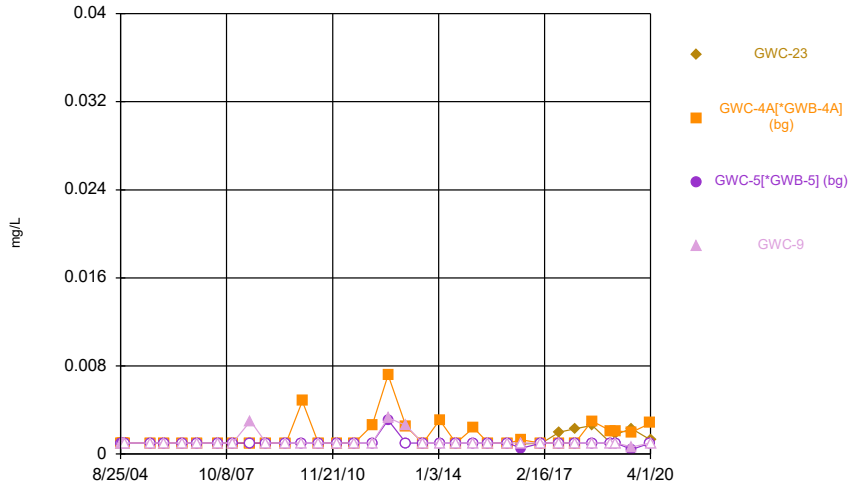
Time Series



Constituent: Nickel Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

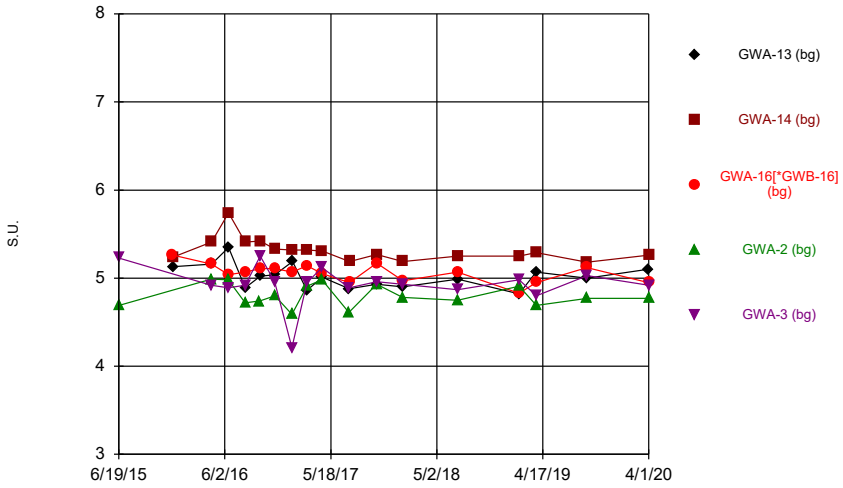
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Nickel Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

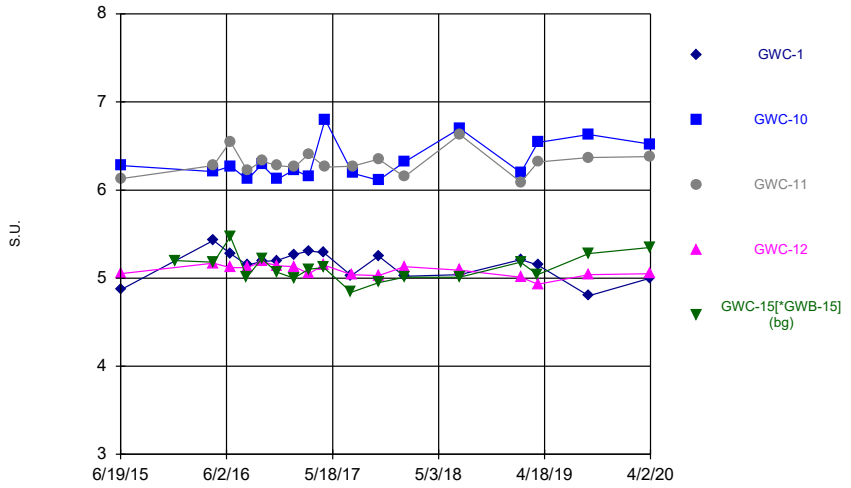


Constituent: pH Analysis Run 6/12/2020 11:09 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series

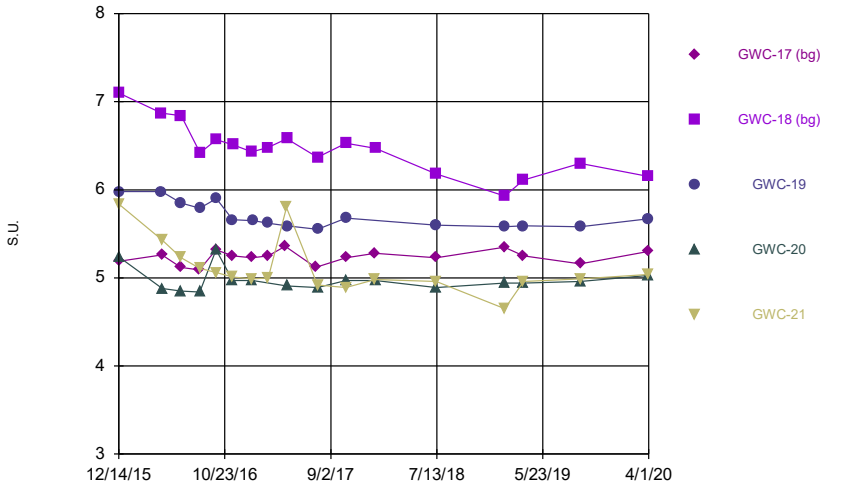


Constituent: pH Analysis Run 6/12/2020 11:09 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series

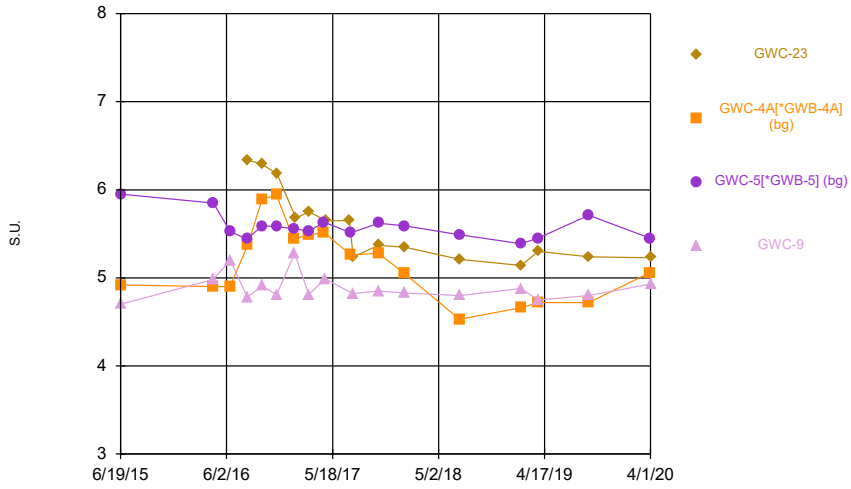


Constituent: pH Analysis Run 6/12/2020 11:09 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Time Series

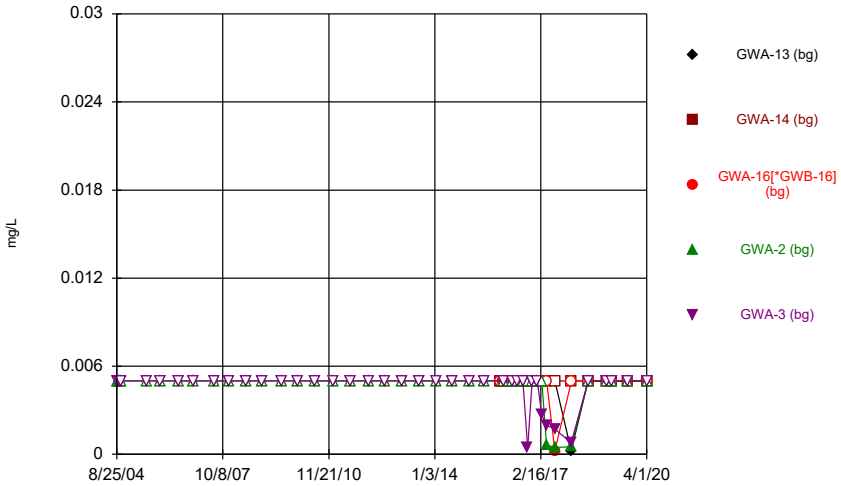


Constituent: pH Analysis Run 6/12/2020 11:09 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

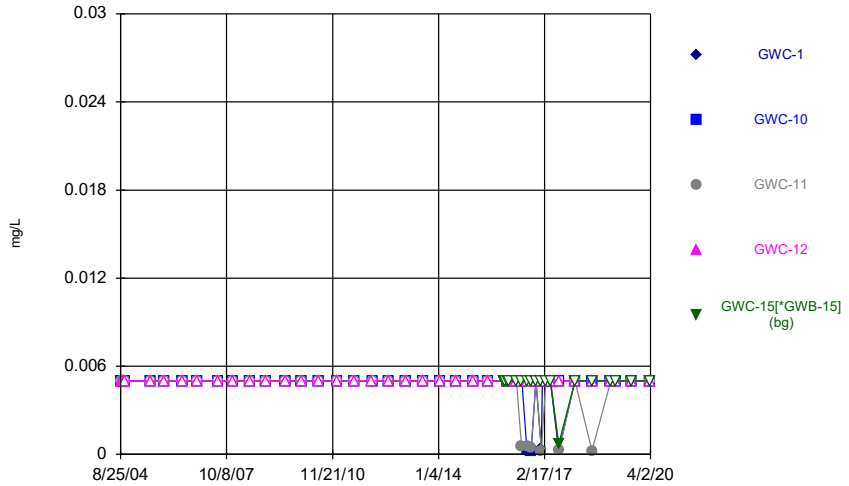
Time Series



Constituent: Selenium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

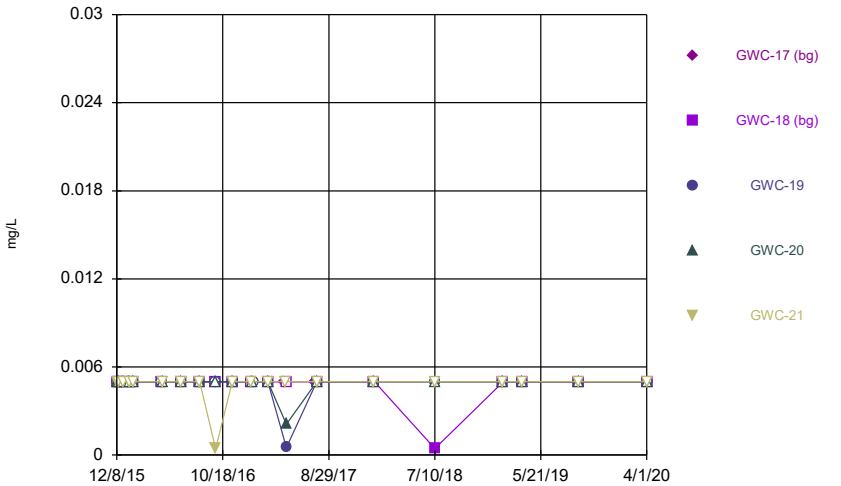
Time Series



Constituent: Selenium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

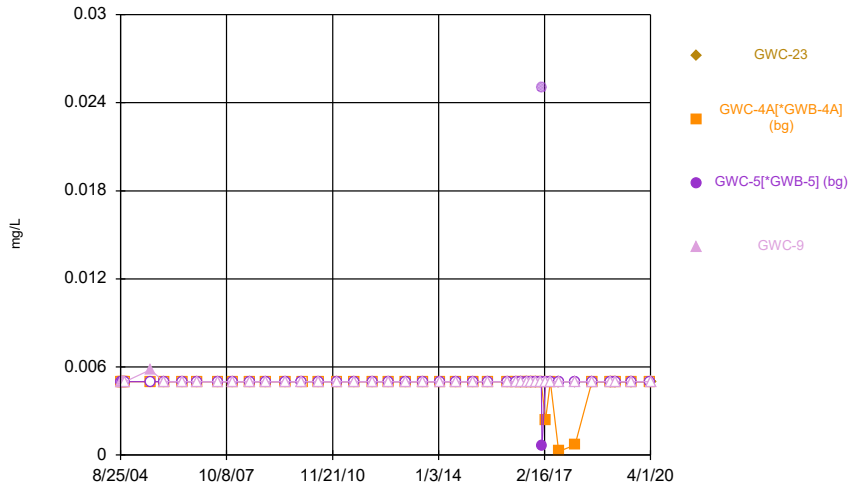
Time Series



Constituent: Selenium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

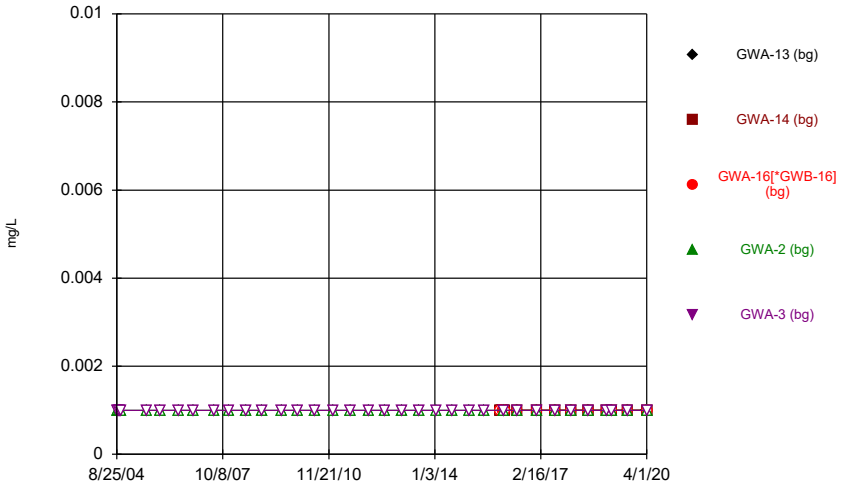
Time Series



Constituent: Selenium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

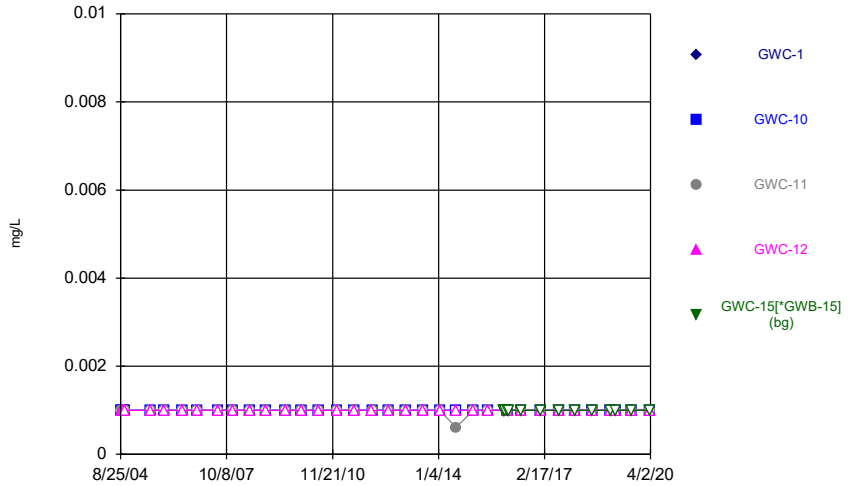
Time Series



Constituent: Silver Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

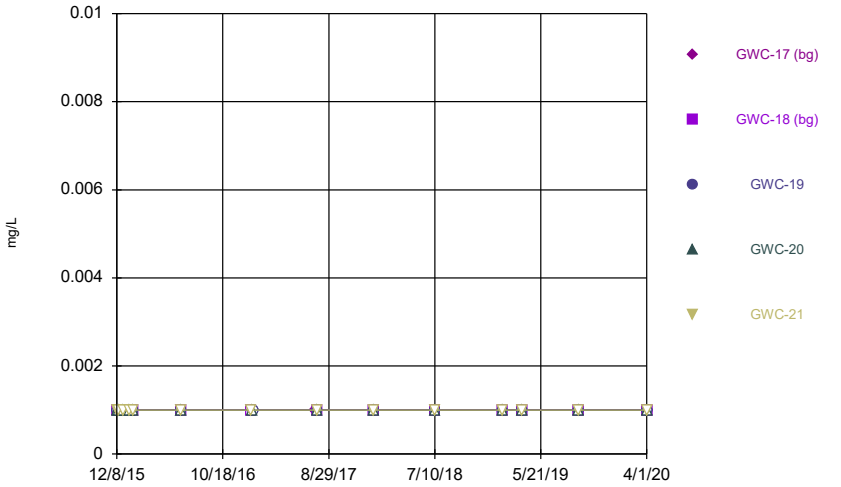
Time Series



Constituent: Silver Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

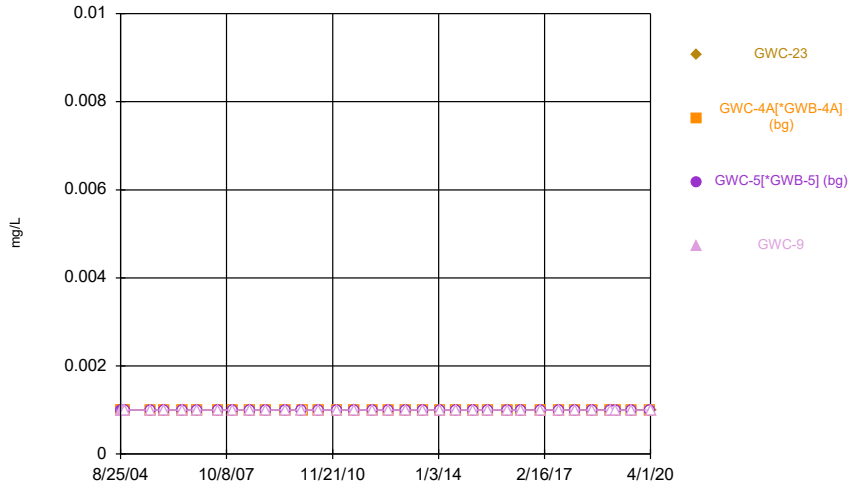
Time Series



Constituent: Silver Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

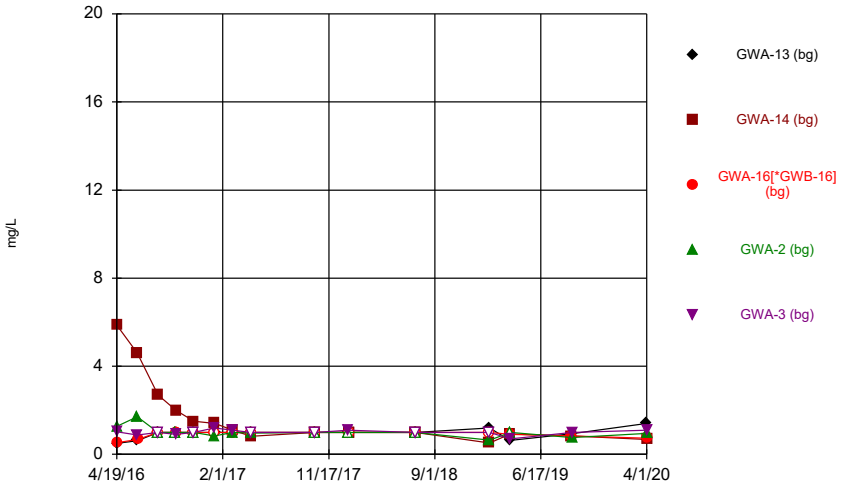
Time Series



Constituent: Silver Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

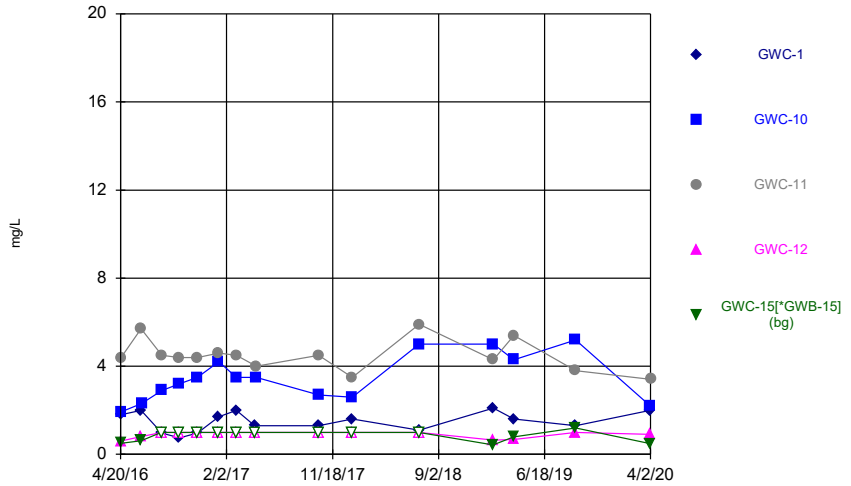
Time Series



Constituent: Sulfate Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

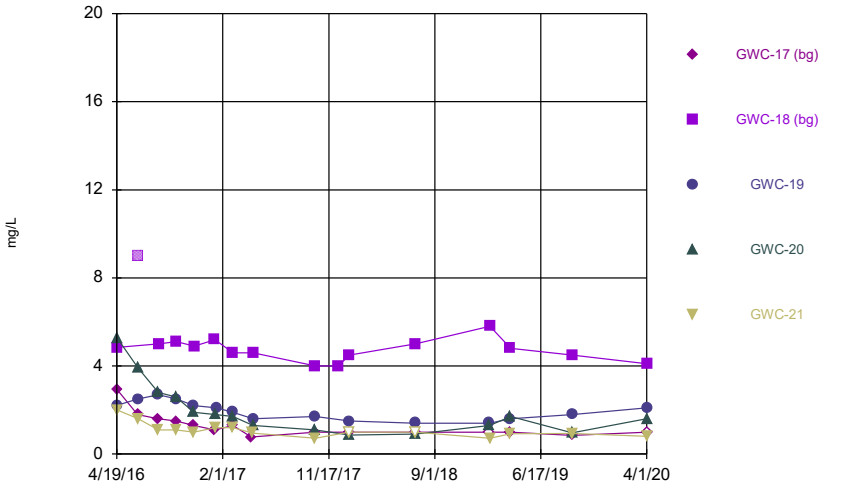
Time Series



Constituent: Sulfate Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

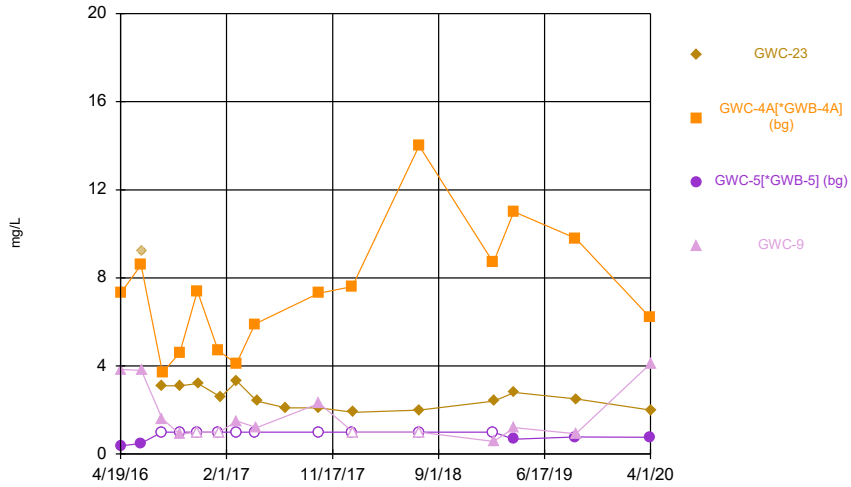
Time Series



Constituent: Sulfate Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

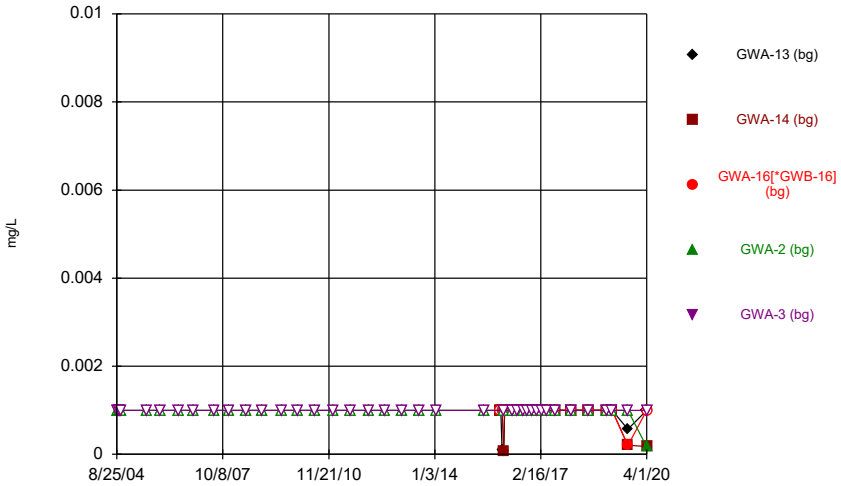
Time Series



Constituent: Sulfate Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

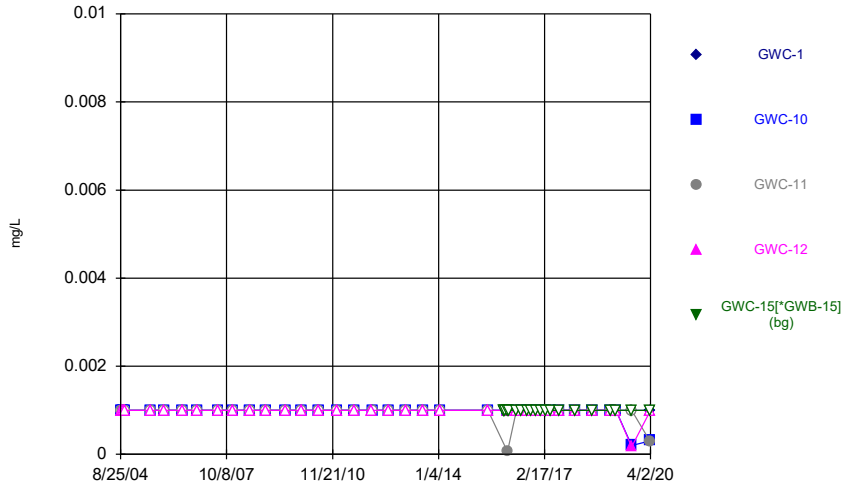
Time Series



Constituent: Thallium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

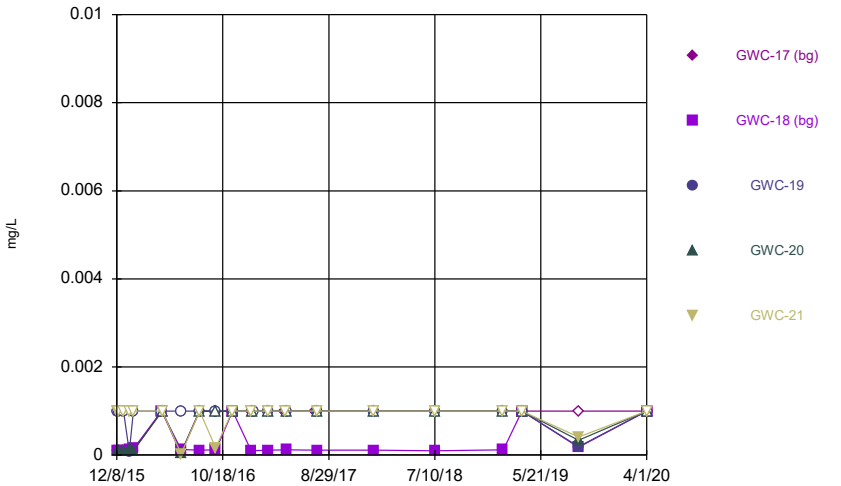
Time Series



Constituent: Thallium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

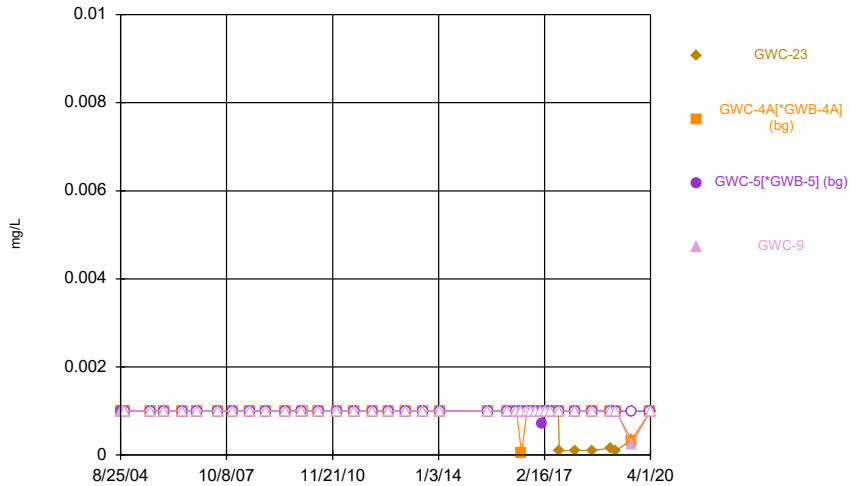
Time Series



Constituent: Thallium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

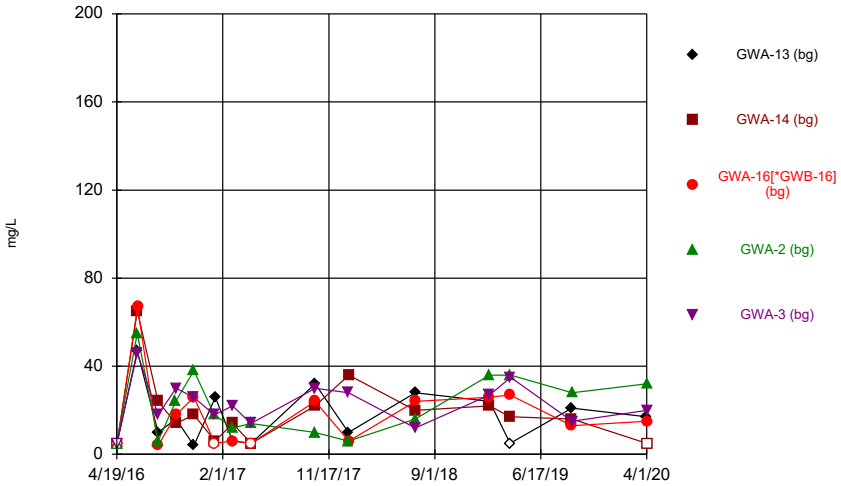
Time Series



Constituent: Thallium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

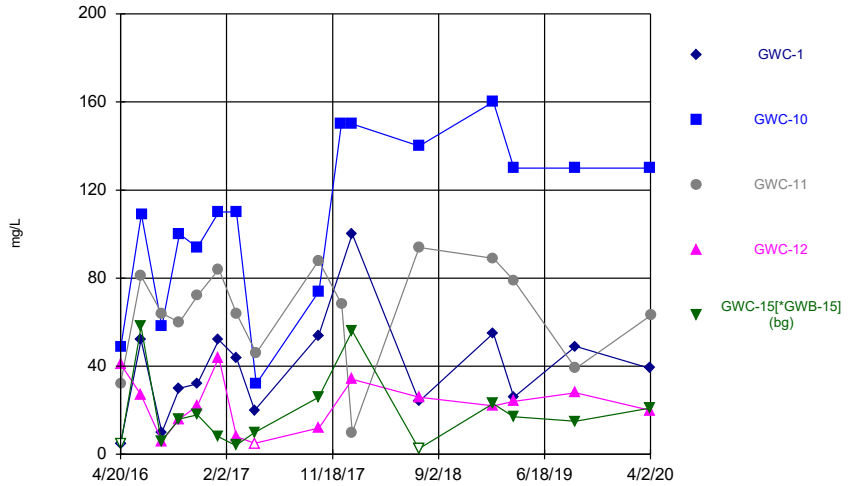
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

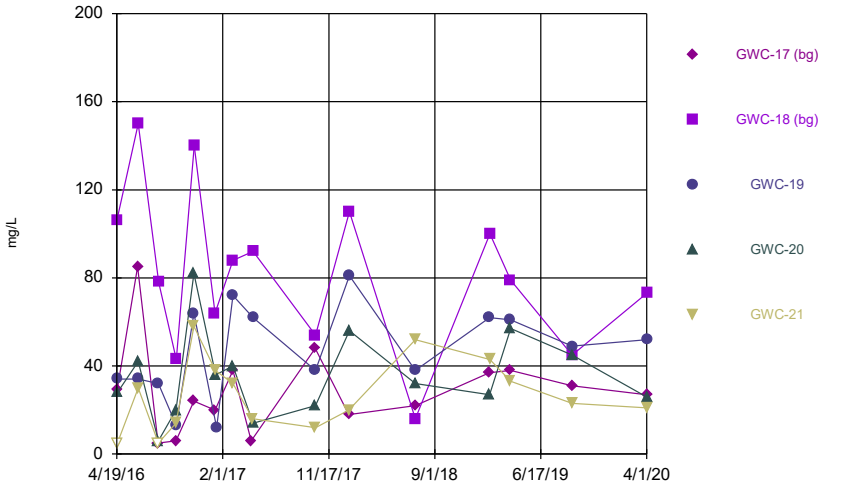
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

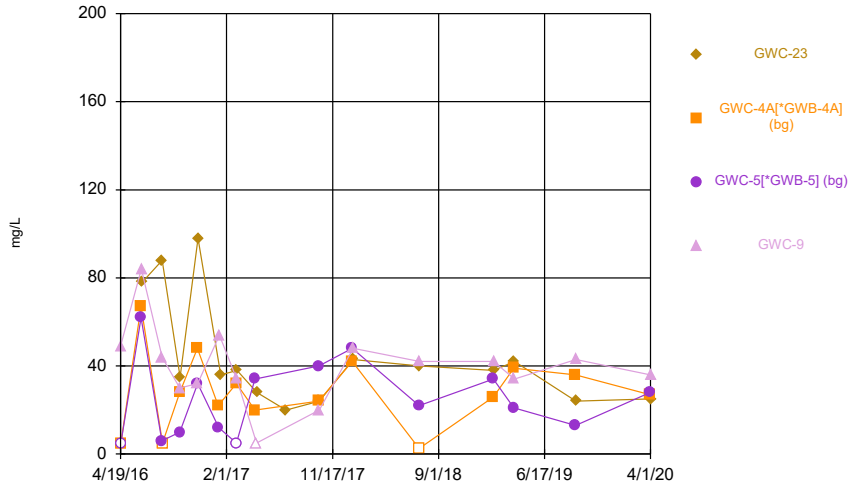
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

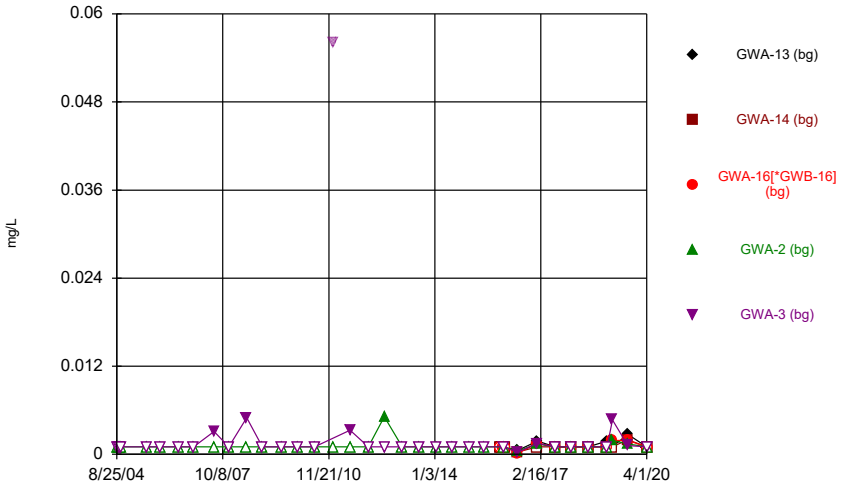
Time Series



Constituent: Total Dissolved Solids Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

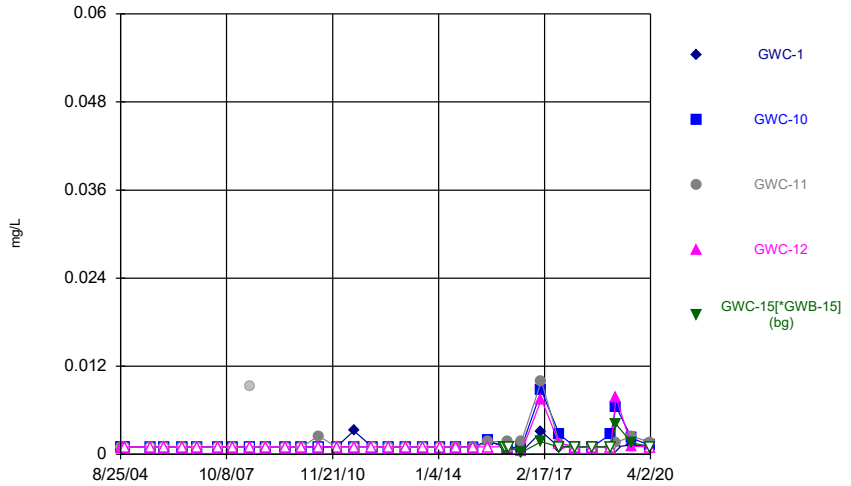
Time Series



Constituent: Vanadium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

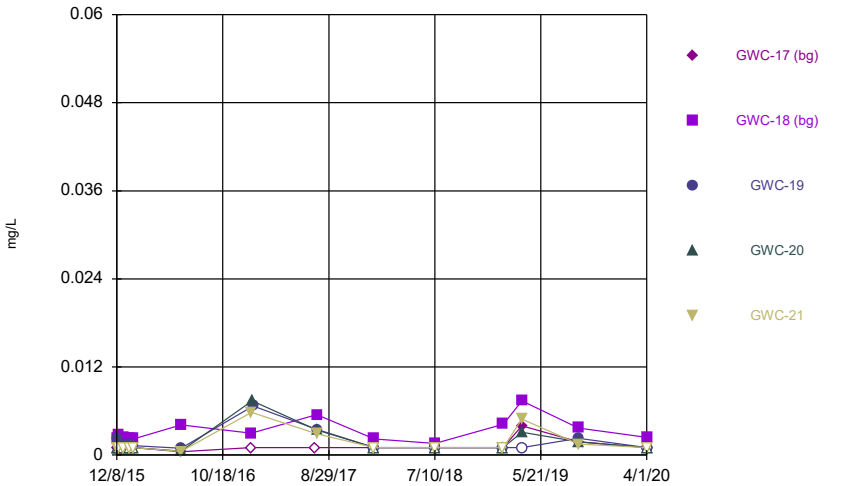
Time Series



Constituent: Vanadium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

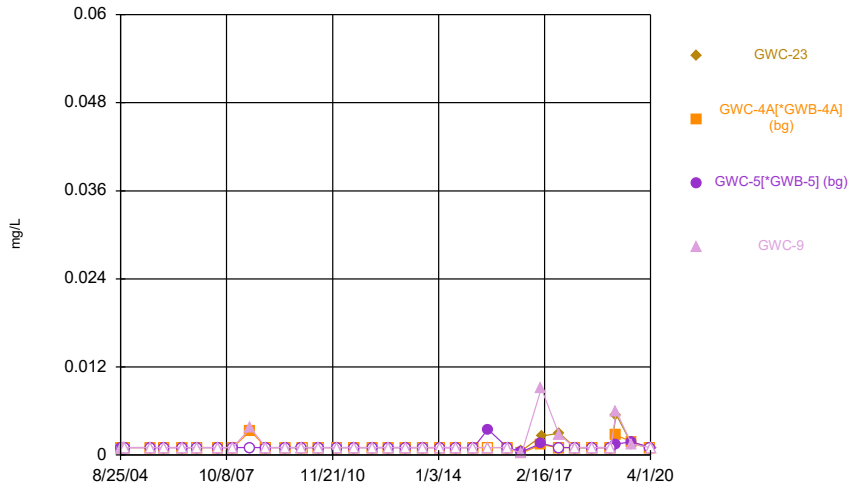
Time Series



Constituent: Vanadium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

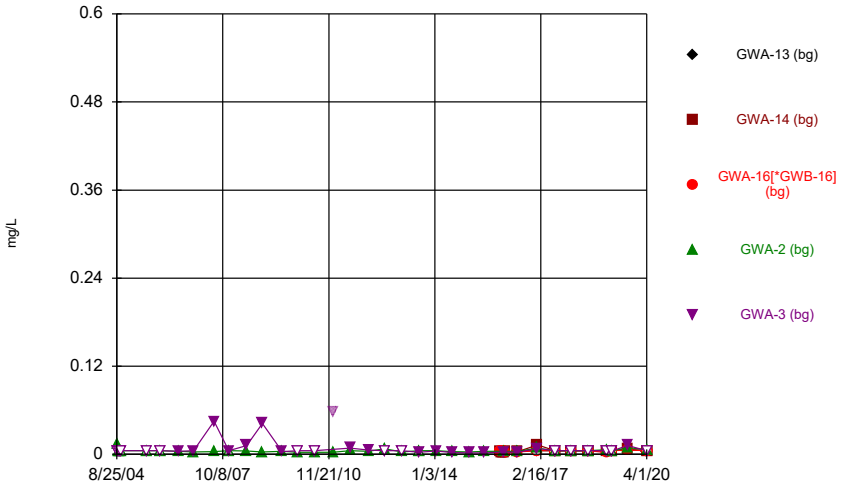
Time Series



Constituent: Vanadium Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

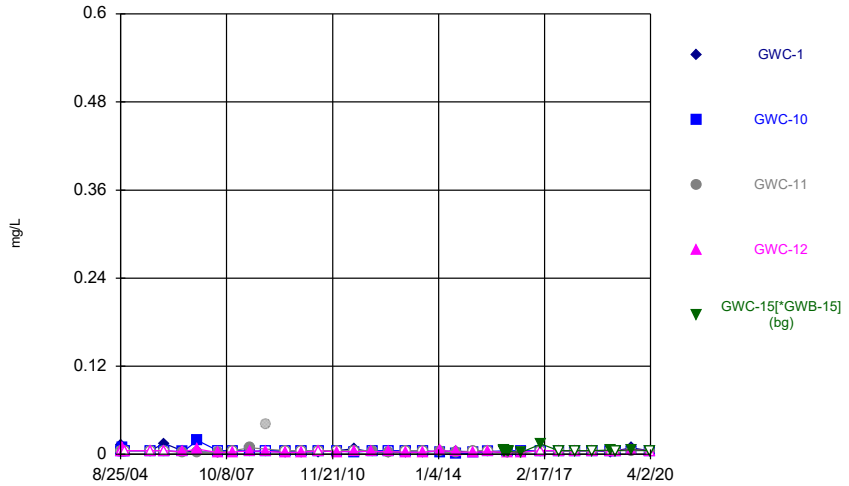
Time Series



Constituent: Zinc Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

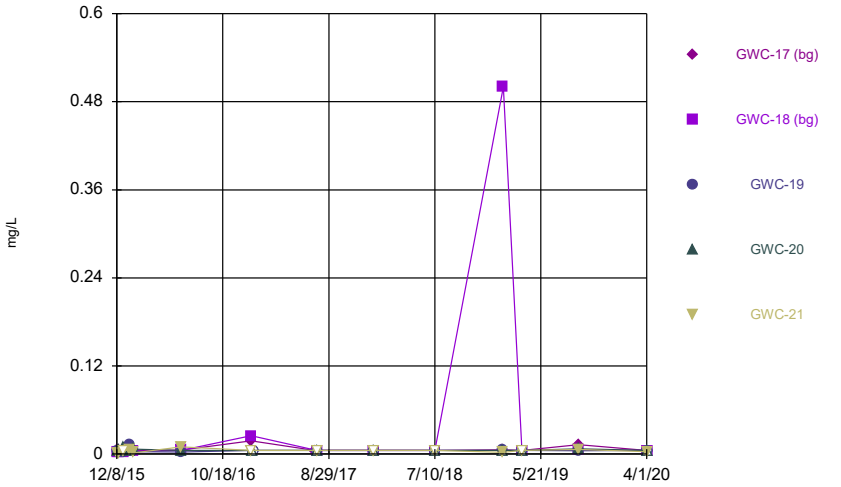
Time Series



Constituent: Zinc Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

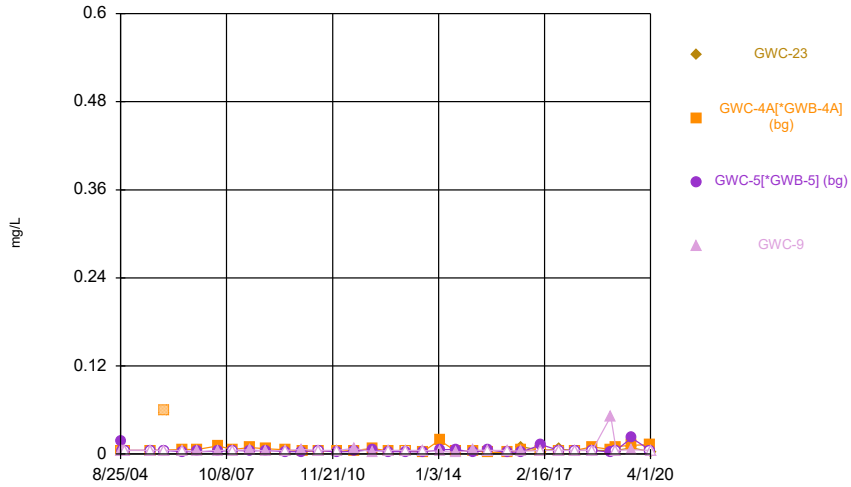
Time Series



Constituent: Zinc Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 6/12/2020 11:09 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				<0.002	<0.002
9/26/2004				<0.002	<0.002
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				<0.002	<0.002
11/28/2006				<0.002	<0.002
7/6/2007				<0.002	<0.002
12/13/2007				<0.002	<0.002
6/20/2008				<0.002	<0.002
12/7/2008				<0.002	<0.002
7/9/2009				<0.002	<0.002
12/28/2009				<0.002	<0.002
6/22/2010				<0.002	<0.002
1/4/2011				<0.002	
1/5/2011					<0.002
7/9/2011				<0.002	<0.002
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				<0.002	<0.002
1/19/2013					<0.002
1/20/2013				<0.002	
7/18/2013					<0.002
7/19/2013				<0.002	
1/15/2014				<0.002	<0.002
7/11/2014				<0.002 (D)	<0.002 (D)
1/15/2015					<0.002
1/16/2015				<0.002	
6/19/2015					<0.002
6/20/2015				<0.002	
12/7/2015	<0.002	<0.002	<0.002		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002		
1/16/2016				<0.002	<0.002
1/25/2016	<0.002	<0.002	<0.002		
4/19/2016				<0.002	<0.002
4/20/2016	<0.002	<0.002	<0.002		
6/14/2016	<0.002	<0.002		<0.002	<0.002
6/15/2016			<0.002		
8/9/2016	<0.002	<0.002	<0.002	<0.002	<0.002
9/26/2016				<0.002	
9/27/2016	<0.002	<0.002	<0.002		<0.002
11/14/2016					<0.002
11/15/2016	<0.002	<0.002	<0.002	<0.002	
1/10/2017				<0.002	<0.002
1/11/2017		<0.002	<0.002		
1/12/2017	<0.002				
2/28/2017	<0.002	<0.002		<0.002	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.002		
4/19/2017				<0.002	<0.002
4/20/2017	<0.002	<0.002	<0.002		
7/17/2017				<0.002	
7/18/2017	<0.002				0.0022 (J)
7/19/2017		<0.002	<0.002		
1/10/2018	<0.002			<0.002	<0.002
1/11/2018		<0.002	<0.002		
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002		
3/27/2019				<0.002	<0.002
9/10/2019	0.00052 (J)	<0.002	<0.002		
9/11/2019				<0.002	0.00081 (J)
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	0.0004 (J)	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	<0.002	<0.002	
9/11/2004	<0.002	<0.002	<0.002	<0.002	
9/26/2004	<0.002	<0.002	<0.002	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	<0.002	<0.002	<0.002	
12/7/2005	<0.002	<0.002	<0.002	<0.002	
6/22/2006	<0.002	<0.002	<0.002	<0.002	
11/28/2006	<0.002	<0.002	<0.002	<0.002	
7/6/2007	<0.002	<0.002	<0.002	<0.002	
12/13/2007	<0.002	<0.002	<0.002	<0.002	
6/20/2008	<0.002	<0.002	<0.002	<0.002	
12/7/2008	<0.002	<0.002	<0.002	<0.002	
7/9/2009	<0.002				
7/10/2009		<0.002	<0.002	<0.002	
12/28/2009	<0.002			<0.002	
12/29/2009		<0.002	<0.002		
6/22/2010	<0.002	<0.002	<0.002	<0.002	
1/4/2011	<0.002	<0.002		<0.002	
1/5/2011			<0.002		
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	<0.002		
7/11/2012	<0.002	<0.002	<0.002	<0.002	
1/19/2013			<0.002	<0.002	
1/20/2013	<0.002	<0.002			
7/18/2013				<0.002	
7/19/2013	<0.002	<0.002	<0.002		
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			
7/10/2014		<0.002 (D)			
7/11/2014	<0.002 (D)		<0.002 (D)	<0.002 (D)	
1/15/2015				<0.002	
1/16/2015	<0.002	<0.002	<0.002		
6/19/2015				<0.002	
6/20/2015	<0.002	<0.002	<0.002		
12/7/2015					<0.002
12/15/2015					<0.002
12/28/2015					<0.002
1/13/2016					<0.002
1/14/2016			<0.002		
1/16/2016	<0.002	<0.002		<0.002	
1/25/2016					<0.002
4/20/2016	<0.002		<0.002	<0.002	
4/21/2016		<0.002			<0.002
6/15/2016	<0.002		<0.002	<0.002	<0.002
6/16/2016		<0.002			
8/9/2016					<0.002
8/10/2016	<0.002	<0.002	<0.002	<0.002	
9/27/2016	<0.002	<0.002	<0.002	<0.002	<0.002
11/15/2016	<0.002	<0.002	<0.002	<0.002	<0.002
1/11/2017					<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.002	<0.002	<0.002	<0.002	
1/23/2017	<0.002				
2/28/2017					<0.002
3/1/2017	<0.002	<0.002	<0.002	<0.002	
4/20/2017	<0.002			<0.002	<0.002
4/24/2017		<0.002	<0.002		
7/19/2017	<0.002				<0.002
7/20/2017				<0.002	
7/24/2017		<0.002	<0.002		
1/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2018					<0.002
7/12/2018	<0.002	<0.002	<0.002	<0.002	
1/29/2019					<0.002
1/30/2019	<0.002	<0.002	<0.002	<0.002	
3/26/2019					<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	
9/11/2019	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2020	<0.002	<0.002		<0.002	<0.002
4/2/2020			<0.002		

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.002	<0.002	<0.002		
12/9/2015				<0.002	<0.002
12/14/2015	<0.002	<0.002		<0.002	<0.002
12/15/2015			<0.002		
12/28/2015	<0.002	<0.002	<0.002		
12/29/2015				<0.002	<0.002
1/13/2016	<0.002				
1/14/2016		<0.002	<0.002	<0.002	<0.002
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	<0.002	<0.002		
4/19/2016		<0.002	<0.002		
4/20/2016	<0.002				
4/21/2016				<0.002	<0.002
6/15/2016	<0.002				
6/16/2016		0.00022 (J)	<0.002	<0.002	<0.002
8/9/2016	<0.002				
8/10/2016			<0.002	<0.002	<0.002
8/11/2016		<0.002			
9/27/2016	<0.002			<0.002	<0.002
9/28/2016		<0.002	<0.002		
11/15/2016	<0.002		<0.002	<0.002	<0.002
11/16/2016		<0.002			
1/11/2017	<0.002	<0.002			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			<0.002		
3/1/2017	<0.002	<0.002	<0.002	<0.002	<0.002
4/20/2017	<0.002				
4/24/2017					<0.002
4/25/2017		<0.002	<0.002	<0.002	
7/19/2017	<0.002				
7/25/2017		<0.002	<0.002	<0.002	<0.002
1/11/2018	<0.002				<0.002
1/12/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002		<0.002	<0.002	
1/30/2019		<0.002			<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2020	<0.002	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.002	<0.002	<0.002
9/11/2004		<0.002	<0.002	<0.002
9/26/2004		<0.002	<0.002	<0.002
10/13/2004		<0.002	<0.002	<0.002
7/11/2005		<0.002	<0.002	<0.002
12/7/2005		<0.002	<0.002	<0.002
6/22/2006		<0.002	<0.002	<0.002
11/28/2006		<0.002	<0.002	<0.002
7/6/2007		<0.002	<0.002	<0.002
12/13/2007		<0.002	<0.002	<0.002
6/20/2008		<0.002	<0.002	<0.002
12/7/2008		<0.002	<0.002	<0.002
7/9/2009		<0.002	<0.002	<0.002
12/29/2009			<0.002	<0.002
12/30/2009		<0.002		
6/22/2010		<0.002	<0.002	<0.002
1/4/2011		<0.002	<0.002	
1/5/2011				<0.002
7/9/2011			<0.002	<0.002
7/10/2011		<0.002		
1/21/2012		<0.002	<0.002	<0.002
7/11/2012		<0.002	<0.002	<0.002
1/19/2013			<0.002	<0.002
1/20/2013		<0.002		
7/18/2013			<0.002	<0.002
7/19/2013		<0.002		
1/15/2014			<0.002	<0.002
1/16/2014		<0.002		
7/10/2014		<0.002 (D)	<0.002 (D)	<0.002 (D)
1/15/2015			<0.002	
1/16/2015		<0.002		<0.002
6/19/2015			<0.002	
6/20/2015		<0.002		<0.002
1/14/2016		<0.002	<0.002	<0.002
4/19/2016				<0.002
4/20/2016		<0.002	<0.002	
6/14/2016		<0.002	<0.002	
6/15/2016				<0.002
6/16/2016	<0.002			
8/9/2016			<0.002	
8/10/2016	<0.002			<0.002
8/11/2016		<0.002		
9/27/2016		<0.002	<0.002	<0.002
9/28/2016	<0.002			
11/14/2016		<0.002		
11/15/2016			<0.002	<0.002
11/16/2016	<0.002			
1/10/2017		<0.002		
1/11/2017			<0.002	
1/13/2017				<0.002
1/17/2017	<0.002			
1/19/2017			<0.002	

Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.002	
2/28/2017		<0.002	<0.002	
3/1/2017				<0.002
3/2/2017	<0.002			
4/20/2017		<0.002	<0.002	
4/24/2017				<0.002
4/25/2017	<0.002			
7/13/2017	<0.002			
7/18/2017		<0.002	<0.002	
7/24/2017				<0.002
7/25/2017	<0.002			
1/10/2018		<0.002	<0.002	
1/12/2018	<0.002			<0.002
7/11/2018		<0.002	<0.002	
7/12/2018	<0.002			<0.002
1/29/2019		<0.002	<0.002	
1/30/2019	<0.002			<0.002
3/26/2019		<0.002	<0.002	
3/27/2019	<0.002			<0.002
9/10/2019		<0.002	<0.002	
9/11/2019	<0.002			<0.002
3/31/2020		<0.002	<0.002	
4/1/2020	<0.002			<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.0089 (o)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	0.00061 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.001		
4/19/2017				<0.001	0.00069 (J)
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	0.0011
9/10/2019	0.00076 (J)	0.00043 (J)	0.00036 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		<0.001	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		0.00117 (J)	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		0.0013 (J)	<0.001	<0.001
6/16/2016		0.0004 (J)			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	0.0013	<0.001	
9/27/2016	<0.001	<0.001	0.0011 (J)	<0.001	<0.001
11/15/2016	<0.001	<0.001	0.001 (J)	<0.001	<0.001
1/11/2017					<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.001	0.00077 (J)	0.0016	0.00062 (J)	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	0.00092 (J)	<0.001	
4/20/2017	<0.001			<0.001	<0.001
4/24/2017		<0.001	0.0011 (J)		
7/19/2017	<0.001				0.00056 (J)
7/20/2017				0.00053 (J)	
7/24/2017		<0.001	0.00086 (J)		
1/11/2018	<0.001	0.00046 (J)	0.0012 (J)	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	0.001 (J)	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	0.0015 (J)	<0.001	
3/26/2019					0.00075
3/27/2019	<0.001	0.0013	0.0013	0.0011	
9/11/2019	<0.001	0.00082 (J)	0.0017	0.00032 (J)	0.00033 (J)
4/1/2020	<0.001	0.00055 (J)		<0.001	<0.001
4/2/2020			0.0014		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	0.0022 (J)
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	0.002 (J)
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
4/19/2016		0.00112 (J)	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	0.00015 (J)				
6/16/2016		0.0011 (J)	0.00026 (J)	0.00014 (J)	0.00046 (J)
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		0.001 (J)			
9/27/2016	<0.001			<0.001	0.00084 (J)
9/28/2016		0.00062 (J)	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		0.00046 (J)			
1/11/2017	<0.001	0.00093 (J)			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			0.00067 (J)		
3/1/2017	<0.001	0.0006 (J)	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		0.0011 (J)	<0.001	0.00046 (J)	
7/19/2017	0.00047 (J)				
7/25/2017		0.001 (J)	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		0.00095 (J)	<0.001	<0.001	
7/11/2018	<0.001	0.0007 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		<0.001			<0.001
3/27/2019	0.00097	0.0019	<0.001	<0.001	0.00074
9/11/2019	0.00038 (J)	0.0012	0.00057 (J)	0.00066 (J)	0.00064 (J)
4/1/2020	<0.001	0.00067	<0.001	<0.001	<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	<0.001
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		<0.001		<0.001
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
4/19/2016				<0.001
4/20/2016		<0.001	<0.001	
6/14/2016		0.00016 (J)	5E-05 (J)	
6/15/2016				<0.001
6/16/2016	0.00043 (J)			
8/9/2016			<0.001	
8/10/2016	0.0021			<0.001
8/11/2016		0.00096 (J)		
9/27/2016		0.0026	<0.001	<0.001
9/28/2016	0.0011 (J)			
11/14/2016		0.0017		
11/15/2016			<0.001	<0.001
11/16/2016	0.0011 (J)			
1/10/2017		0.0021		
1/11/2017			<0.001	
1/13/2017				0.00055 (J)
1/17/2017	0.00064 (J)			
1/19/2017			<0.001	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.0027	
2/28/2017		0.0027	<0.001	
3/1/2017				<0.001
3/2/2017	<0.001			
4/20/2017		0.0014	<0.001	
4/24/2017				<0.001
4/25/2017	0.0007 (J)			
7/13/2017	<0.001			
7/18/2017		0.0012 (J)	<0.001	
7/24/2017				<0.001
7/25/2017	<0.001			
1/10/2018		0.00068 (J)	<0.001	
1/12/2018	<0.001			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	<0.001			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	<0.001			<0.001
3/26/2019		0.0005	<0.001	
3/27/2019	0.00079			0.00073
9/10/2019		0.00051 (J)	0.00035 (J)	
9/11/2019	0.00051 (J)			0.00044 (J)
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001

Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				0.018	0.025
9/11/2004				0.019	0.015
9/26/2004				0.02	0.017
10/13/2004				0.017	0.017
7/11/2005				0.012	0.012
12/7/2005				0.014	0.012
6/22/2006				0.018	0.016
11/28/2006				0.015	0.017
7/6/2007				0.014	0.1 (O)
12/13/2007				0.014	0.01
6/20/2008				0.018	0.026
12/7/2008				0.013	0.097 (O)
7/9/2009				0.019	0.01
12/28/2009				0.012	0.0091
6/22/2010				0.02	0.011
1/4/2011				0.02	
1/5/2011					0.21 (O)
7/9/2011				0.028	0.035
1/20/2012					0.021
1/21/2012				0.026	
7/11/2012				0.038	0.009
1/19/2013					0.01
1/20/2013				0.025	
7/18/2013					0.014
7/19/2013				0.018	
1/15/2014				0.026	0.016
7/11/2014				0.029	0.016
1/15/2015					0.014
1/16/2015				0.021	
6/19/2015					0.013
6/20/2015				0.031	
12/7/2015	0.015	0.018	0.027		
12/14/2015			0.028		
12/15/2015	0.015	0.017			
12/28/2015			0.029		
12/29/2015	0.016	0.018			
1/13/2016	0.017	0.018	0.028		
1/16/2016				0.031	0.021
1/25/2016	0.017	0.018	0.027		
4/19/2016				0.0305	0.0217
4/20/2016	0.0144	0.0143	0.0259		
6/14/2016	0.015	0.012		0.03	0.024
6/15/2016			0.024		
8/9/2016	0.013	0.011	0.023	0.032	0.023
9/26/2016				0.031	
9/27/2016	0.015	0.01	0.021		0.016
11/14/2016					0.014
11/15/2016	0.015	0.012	0.023	0.033	
1/10/2017				0.031	0.015
1/11/2017		0.011	0.021		
1/12/2017	0.012				
2/28/2017	0.016	0.011		0.033	0.017

Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			0.022		
4/19/2017				0.032	0.013
4/20/2017	0.015	0.011	0.022		
7/17/2017				0.033	
7/18/2017	0.015				0.012
7/19/2017		0.012	0.024		
1/10/2018	0.015			0.034	0.016
1/11/2018		0.012	0.022		
7/11/2018	0.015	0.012	0.023	0.035	0.015
1/29/2019	0.019	0.013	0.026	0.034	0.017
3/26/2019	0.016	0.012	0.023		
3/27/2019				0.03	0.014
9/10/2019	0.03	0.016	0.039		
9/11/2019				0.034	0.015
3/31/2020	0.015				
4/1/2020		0.013	0.022	0.037	0.014

Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	0.02	0.036	0.018	0.014	
9/11/2004	0.021	0.036	0.022	0.014	
9/26/2004	0.019	0.035	0.022	0.014	
10/13/2004		0.035	0.017	0.013	
7/11/2005	0.017	0.017	0.015	0.011	
12/7/2005	0.018	0.017	0.012	0.012	
6/22/2006	0.018	0.015	0.012	0.012	
11/28/2006	0.026	0.032	0.013	0.011	
7/6/2007	0.014	0.03	0.012	0.014	
12/13/2007	0.013	0.039	0.013	0.011	
6/20/2008	0.019	0.038	0.026	0.011	
12/7/2008	0.019	0.034	0.093 (O)	0.01	
7/9/2009	0.029				
7/10/2009		0.032	0.013	0.011	
12/28/2009	0.039			0.011	
12/29/2009		0.03	0.012		
6/22/2010	0.032	0.024	0.014	0.011	
1/4/2011	0.024	0.017		0.013	
1/5/2011			0.011		
7/9/2011	0.034		0.012	0.015	
7/10/2011		0.03			
1/20/2012				0.013	
1/21/2012	0.022	0.022	0.017		
7/11/2012	0.023	0.025	0.015	0.015	
1/19/2013			0.013	0.014	
1/20/2013	0.027	0.029			
7/18/2013				0.013	
7/19/2013	0.037	0.02	0.012		
1/15/2014	0.032		0.012	0.013	
1/16/2014		0.022			
7/10/2014		0.018			
7/11/2014	0.034		0.012	0.016	
1/15/2015				0.012	
1/16/2015	0.032	0.019	0.011		
6/19/2015				0.015	
6/20/2015	0.037	0.021	0.013		
12/7/2015					0.027
12/15/2015					0.028
12/28/2015					0.026
1/13/2016					0.026
1/14/2016			0.016		
1/16/2016	0.051	0.019		0.013	
1/25/2016					0.027
4/20/2016	0.0554		0.0113	0.0114	
4/21/2016		0.0178			0.0262
6/15/2016	0.046		0.013	0.0095 (J)	0.024
6/16/2016		0.022			
8/9/2016					0.023
8/10/2016	0.042	0.015	0.01	0.0094	
9/27/2016	0.042	0.014	0.01	0.011	0.023
11/15/2016	0.042	0.015	0.011	0.0096	0.023
1/11/2017					0.022

Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.046	0.015	0.01	0.01	
1/23/2017	0.023				
2/28/2017					0.023
3/1/2017	0.048	0.017	0.011	0.011	
4/20/2017	0.046			0.01	0.024
4/24/2017		0.014	0.01		
7/19/2017	0.045				0.025
7/20/2017				0.011	
7/24/2017		0.015	0.0089		
1/11/2018	0.046	0.013	0.01	0.01	0.023
7/11/2018					0.025
7/12/2018	0.045	0.024	0.016	0.011	
1/29/2019					0.027
1/30/2019	0.05	0.023	0.014 (J)	0.011 (J)	
3/26/2019					0.028
3/27/2019	0.045	0.019	0.013	0.0099	
9/11/2019	0.038	0.021	0.011	0.01	0.023
4/1/2020	0.041	0.035		0.0097 (J)	0.026
4/2/2020			0.011		

Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.021	0.053	0.057		
12/9/2015				0.039	0.024
12/14/2015	0.021	0.049		0.045	0.027
12/15/2015			0.052		
12/28/2015	0.02	0.048	0.041		
12/29/2015				0.045	0.027
1/13/2016	0.019				
1/14/2016		0.048	0.038	0.034	0.025
1/25/2016				0.038	0.023
1/26/2016	0.019	0.044	0.034		
4/19/2016		0.0308	0.023		
4/20/2016	0.0188				
4/21/2016				0.0325	0.0165
6/15/2016	0.017				
6/16/2016		0.029	0.017	0.027	0.018
8/9/2016	0.018				
8/10/2016			0.013	0.025	0.014
8/11/2016		0.023			
9/27/2016	0.016			0.023	0.018
9/28/2016		0.024	0.013		
11/15/2016	0.017		0.013	0.022	0.015
11/16/2016		0.022			
1/11/2017	0.017	0.017			
1/12/2017					0.014
1/13/2017				0.021	
1/16/2017			0.014		
3/1/2017	0.017	0.02	0.017	0.021	0.015
4/20/2017	0.016				
4/24/2017					0.015
4/25/2017		0.02	0.015	0.02	
7/19/2017	0.017				
7/25/2017		0.017	0.012	0.02	0.015
1/11/2018	0.017				0.016
1/12/2018		0.015	0.014	0.021	
7/11/2018	0.017	0.013	0.018	0.021	0.017
1/29/2019	0.02		0.016	0.017	
1/30/2019		0.02			0.017
3/27/2019	0.017	0.014	0.013	0.018	0.016
9/11/2019	0.021	0.018	0.015	0.021	0.019
4/1/2020	0.019	0.013	0.013	0.016	0.018

Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0096	0.016	0.029
9/11/2004		0.024	0.02	0.031
9/26/2004		0.027	0.016	0.03
10/13/2004		0.022	0.014	0.024
7/11/2005		0.029	0.014	0.022
12/7/2005		0.023	0.014	0.032
6/22/2006		0.026	0.019	0.026
11/28/2006		0.039	0.016	0.02
7/6/2007		0.037	0.018	0.018
12/13/2007		0.029	0.015	0.017
6/20/2008		0.037	0.018	0.018
12/7/2008		0.025	0.016	0.016
7/9/2009		0.028	0.019	0.019
12/29/2009			0.02	0.02
12/30/2009		0.017		
6/22/2010		0.032	0.027	0.022
1/4/2011		0.02	0.025	
1/5/2011				0.021
7/9/2011			0.022	0.021
7/10/2011		0.032		
1/21/2012		0.026	0.024	0.021
7/11/2012		0.023	0.024	0.021
1/19/2013			0.026	0.024
1/20/2013		0.011		
7/18/2013			0.024	0.024
7/19/2013		0.018		
1/15/2014			0.026	0.022
1/16/2014		0.015		
7/10/2014		0.025	0.036	0.023
1/15/2015			0.035	
1/16/2015		0.022		0.015
6/19/2015			0.066	
6/20/2015		0.015		0.024
1/14/2016		0.016	0.059	0.026
4/19/2016				0.0274
4/20/2016		0.0234	0.0553	
6/14/2016		0.019	0.035	
6/15/2016				0.024
6/16/2016	0.057			
8/9/2016			0.035	
8/10/2016	0.072			0.031
8/11/2016		0.024		
9/27/2016		0.035	0.038	0.029
9/28/2016	0.076			
11/14/2016		0.034		
11/15/2016			0.039	0.029
11/16/2016	0.057			
1/10/2017		0.021		
1/11/2017			0.037	
1/13/2017				0.025
1/17/2017	0.049			
1/19/2017			0.079	

Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.42 (o)	
2/28/2017		0.021	0.042	
3/1/2017				0.03
3/2/2017	0.067			
4/20/2017		0.019	0.04	
4/24/2017				0.024
4/25/2017	0.049			
7/13/2017	0.04			
7/18/2017		0.018	0.04	
7/24/2017				0.026
7/25/2017	0.038			
1/10/2018		0.021	0.048	
1/12/2018	0.037			0.027
7/11/2018		0.029	0.044	
7/12/2018	0.037			0.031
1/29/2019		0.025	0.05	
1/30/2019	0.034			0.032
3/26/2019		0.023	0.046	
3/27/2019	0.027			0.023
9/10/2019		0.026	0.044	
9/11/2019	0.023			0.029
3/31/2020		0.017	0.044	
4/1/2020	0.024			0.021

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					0.0018
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				<0.0025	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				0.00011 (J)	<0.0025
7/11/2014				0.0001 (J)	<0.0025
1/15/2015					<0.0025
1/16/2015				<0.0025	
6/19/2015					<0.0025
6/20/2015				<0.0025	
12/7/2015	<0.0025	<0.0025	<0.0025		
12/14/2015			<0.0025		
12/15/2015	<0.0025	<0.0025			
12/28/2015			<0.0025		
12/29/2015		<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025		
1/16/2016				<0.0025	<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	7.1E-05 (J)	4.4E-05 (J)		6.5E-05 (J)	3.2E-05 (J)
6/15/2016			0.00011 (J)		
8/9/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025		<0.0025
11/14/2016					<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/10/2017				<0.0025	<0.0025
1/11/2017		<0.0025	<0.0025		
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025		<0.0025	<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.0025		
4/19/2017				<0.0025	<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025		
7/17/2017				<0.0025	
7/18/2017	<0.0025				<0.0025
7/19/2017		<0.0025	<0.0025		
1/10/2018	<0.0025			<0.0025	<0.0025
1/11/2018		<0.0025	<0.0025		
7/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025	6.3E-05 (J)	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				<0.0025	<0.0025
9/10/2019	0.0008 (J)	0.00025 (J)	0.00036 (J)		
9/11/2019				<0.0025	<0.0025
3/31/2020	<0.0025				
4/1/2020		<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	<0.0025		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	<0.0025		
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2013			<0.0025	<0.0025	
1/20/2013	<0.0025	<0.0025			
7/18/2013				<0.0025	
7/19/2013	<0.0025	<0.0025	<0.0025		
1/15/2014	0.00016 (J)		<0.0025	0.00017 (J)	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	0.00018 (J)		<0.0025	0.00024 (J)	
1/15/2015				0.00015 (J)	
1/16/2015	0.00016 (J)	<0.0025	<0.0025		
6/19/2015				0.00016 (J)	
6/20/2015	0.00017 (J)	0.00013 (J)	<0.0025		
12/7/2015					<0.0025
12/15/2015					<0.0025
12/28/2015					<0.0025
1/13/2016					<0.0025
1/14/2016			<0.0025		
1/16/2016	8E-05 (J)	<0.0025		0.00014 (J)	
1/25/2016					<0.0025
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	0.00012 (J)		<0.0025	0.00014 (J)	3.8E-05 (J)
6/16/2016		8.5E-05 (J)			
8/9/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/11/2017					<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	
1/23/2017	<0.0025				
2/28/2017					<0.0025
3/1/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/20/2017	<0.0025			<0.0025	<0.0025
4/24/2017		<0.0025	<0.0025		
7/19/2017	<0.0025				<0.0025
7/20/2017				<0.0025	
7/24/2017		<0.0025	<0.0025		
1/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/11/2018					<0.0025
7/12/2018	<0.0025	<0.0025	<0.0025	<0.0025	
1/29/2019					<0.0025
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2019	0.00021 (J)	<0.0025	<0.0025	0.00022 (J)	<0.0025
4/1/2020	<0.0025	<0.0025		<0.0025	<0.0025
4/2/2020			0.00023 (J)		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.00046 (J)	<0.0025	0.00018 (J)		
12/9/2015				0.00026 (J)	<0.0025
12/14/2015	0.00052 (J)	<0.0025		0.00032 (J)	<0.0025
12/15/2015			0.00014 (J)		
12/28/2015	0.00057 (J)	<0.0025	9E-05 (J)		
12/29/2015				0.00043 (J)	<0.0025
1/13/2016	0.00056 (J)				
1/14/2016		<0.0025	0.0001 (J)	0.00032 (J)	<0.0025
1/25/2016				0.00038 (J)	<0.0025
1/26/2016	0.00057 (J)	<0.0025	0.00011 (J)		
4/19/2016		<0.0025	<0.0025		
4/20/2016	<0.003 (o)				
4/21/2016				<0.0025	<0.0025
6/15/2016	0.00056 (J)				
6/16/2016		<0.0025	0.00011 (J)	0.00032 (J)	<0.0025
8/9/2016	0.00054 (J)				
8/10/2016			<0.0025	<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	0.00056 (J)			<0.0025	0.00064 (J)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00047 (J)		<0.0025	<0.0025	<0.0025
11/16/2016		<0.0025			
1/11/2017	0.00066 (J)	<0.0025			
1/12/2017					<0.0025
1/13/2017				<0.0025	
1/16/2017			<0.0025		
3/1/2017	0.00066 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2017	0.00055 (J)				
4/24/2017					<0.0025
4/25/2017		<0.0025	<0.0025	<0.0025	
7/19/2017	0.00061 (J)				
7/25/2017		<0.0025	<0.0025	<0.0025	<0.0025
1/11/2018	0.00064 (J)				<0.0025
1/12/2018		<0.0025	<0.0025	<0.0025	
7/11/2018	0.00065 (J)	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	0.00062 (J)		0.00023 (J)	0.00016 (J)	
1/30/2019		<0.0025			<0.0025
3/27/2019	0.00062	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.001	0.00026 (J)	0.00058 (J)	0.00052 (J)	0.00054 (J)
4/1/2020	0.00058 (J)	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025	<0.0025
7/11/2005		<0.0025	0.0011	<0.0025
12/7/2005		<0.0025	<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025	<0.0025
12/29/2009			<0.0025	<0.0025
12/30/2009		<0.0025		
6/22/2010		<0.0025	<0.0025	<0.0025
1/4/2011		<0.0025	<0.0025	
1/5/2011				<0.0025
7/9/2011			<0.0025	<0.0025
7/10/2011		<0.0025		
1/21/2012		<0.0025	<0.0025	<0.0025
7/11/2012		<0.0025	<0.0025	<0.0025
1/19/2013			<0.0025	<0.0025
1/20/2013		<0.0025		
7/18/2013			<0.0025	<0.0025
7/19/2013		<0.0025		
1/15/2014			<0.0025	<0.0025
1/16/2014		<0.0025		
7/10/2014		0.0001 (J)	<0.0025	0.0001 (J)
1/15/2015			<0.0025	
1/16/2015		<0.0025		<0.0025
6/19/2015			0.00013 (J)	
6/20/2015		<0.0025		<0.0025
1/14/2016		<0.0025	<0.0025	<0.0025
4/19/2016				<0.0025
4/20/2016		<0.0025	<0.0025	
6/14/2016		8.7E-05 (J)	5.4E-05 (J)	
6/15/2016				7.7E-05 (J)
6/16/2016	<0.0025			
8/9/2016			<0.0025	
8/10/2016	<0.0025			<0.0025
8/11/2016		<0.0025		
9/27/2016		<0.0025	<0.0025	<0.0025
9/28/2016	<0.0025			
11/14/2016		<0.0025		
11/15/2016			<0.0025	<0.0025
11/16/2016	<0.0025			
1/10/2017		<0.0025		
1/11/2017			<0.0025	
1/13/2017				<0.0025
1/17/2017	<0.0025			
1/19/2017			<0.0025	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.0025	
2/28/2017		<0.0025	<0.0025	
3/1/2017				<0.0025
3/2/2017	<0.0025			
4/20/2017		<0.0025	<0.0025	
4/24/2017				<0.0025
4/25/2017	<0.0025			
7/13/2017	<0.0025			
7/18/2017		<0.0025	<0.0025	
7/24/2017				<0.0025
7/25/2017	<0.0025			
1/10/2018		<0.0025	<0.0025	
1/12/2018	<0.0025			<0.0025
7/11/2018		<0.0025	<0.0025	
7/12/2018	<0.0025			<0.0025
1/29/2019		0.00011 (J)	<0.0025	
1/30/2019	<0.0025			<0.0025
3/26/2019		<0.0025	<0.0025	
3/27/2019	<0.0025			<0.0025
9/10/2019		0.0006 (J)	<0.0025	
9/11/2019	0.00026 (J)			0.00021 (J)
3/31/2020		<0.0025	<0.0025	
4/1/2020	<0.0025			<0.0025

Time Series

Constituent: Boron (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<0.08	<0.08
4/20/2016	<0.08	<0.08	<0.08		
6/14/2016	0.0086 (J)	0.0098 (J)		0.012 (J)	0.0077 (J)
6/15/2016			0.0085 (J)		
8/9/2016	<0.08	<0.08	<0.08	<0.08	<0.08
9/26/2016				<0.08	
9/27/2016	<0.08	<0.08	<0.08		<0.08
11/14/2016					<0.08
11/15/2016	<0.08	<0.08	<0.08	<0.08	
1/10/2017				<0.08	<0.08
1/11/2017		<0.08	<0.08		
1/12/2017	<0.08				
2/28/2017	<0.08	<0.08		0.022 (J)	<0.08
3/1/2017			<0.08		
4/19/2017				<0.08	<0.08
4/20/2017	<0.08	<0.08	<0.08		
10/10/2017				<0.08	
10/11/2017	<0.08	<0.08	<0.08		<0.08
1/10/2018	<0.08			<0.08	<0.08
1/11/2018		<0.08	<0.08		
7/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08
1/29/2019	<0.08	<0.08	<0.08	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08		
3/27/2019				<0.08	<0.08
9/10/2019	0.061 (J)	<0.08	<0.08		
9/11/2019				<0.08	<0.08
3/31/2020	<0.08				
4/1/2020		<0.08	<0.08	0.042 (J)	<0.08

Time Series

Constituent: Boron (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<0.08		<0.08	<0.08	
4/21/2016		<0.08			<0.08
6/15/2016	0.017 (J)		0.011 (J)	0.01 (J)	0.0095 (J)
6/16/2016		0.017 (J)			
8/9/2016					<0.08
8/10/2016	<0.08	<0.08	<0.08	<0.08	
9/27/2016	<0.08	<0.08	<0.08	<0.08	<0.08
11/15/2016	<0.08	0.021 (J)	<0.08	<0.08	<0.08
1/11/2017					<0.08
1/12/2017	<0.08	0.041 (J)	<0.08	<0.08	
2/28/2017					<0.08
3/1/2017	<0.08	0.052	<0.08	<0.08	
4/20/2017	<0.08			<0.08	<0.08
4/24/2017		0.064	<0.08		
10/11/2017	<0.08		<0.08		<0.08
10/12/2017		0.06		<0.08	
12/12/2017		0.086			
1/11/2018	<0.08	0.06	<0.08	<0.08	<0.08
7/11/2018					<0.08
7/12/2018	<0.08	0.054	<0.08	<0.08	
1/29/2019					<0.08
1/30/2019	<0.08	0.055	<0.08	<0.08	
3/26/2019					<0.08
3/27/2019	<0.08	0.05	<0.08	<0.08	
9/11/2019	<0.08	0.067 (J)	<0.08	<0.08	<0.08
4/1/2020	<0.08	0.068 (J)		<0.08	<0.08
4/2/2020			0.066 (J)		

Time Series

Constituent: Boron (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		<0.08	<0.08		
4/20/2016	<0.08				
4/21/2016				<0.08	<0.08
6/15/2016	0.0095 (J)				
6/16/2016		0.011 (J)	0.0069 (J)	0.012 (J)	0.012 (J)
8/9/2016	<0.08				
8/10/2016			<0.08	<0.08	<0.08
8/11/2016		<0.08			
9/27/2016	<0.08			<0.08	<0.08
9/28/2016		<0.08	<0.08		
11/15/2016	<0.08		<0.08	<0.08	<0.08
11/16/2016		<0.08			
1/11/2017	<0.08	<0.08			
1/12/2017					<0.08
1/13/2017				<0.08	
1/16/2017			<0.08		
3/1/2017	<0.08	<0.08	<0.08	<0.08	<0.08
4/20/2017	<0.08				
4/24/2017					<0.08
4/25/2017		<0.08	<0.08	<0.08	
10/11/2017	<0.08				
10/12/2017		<0.08	<0.08	<0.08	<0.08
1/11/2018	<0.08				<0.08
1/12/2018		<0.08	<0.08	<0.08	
7/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08
1/29/2019	<0.08		<0.08	<0.08	
1/30/2019		<0.08			<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/11/2019	<0.08	<0.08	<0.08	0.042 (J)	0.055 (J)
4/1/2020	<0.08	<0.08	<0.08	<0.08	<0.08

Time Series

Constituent: Boron (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				<0.08
4/20/2016		<0.08	<0.08	
6/14/2016		0.01 (J)	0.011 (J)	
6/15/2016				0.018 (J)
6/16/2016	0.017 (J)			
8/9/2016			<0.08	
8/10/2016	<0.08			<0.08
8/11/2016		<0.08		
9/27/2016		<0.08	<0.08	<0.08
9/28/2016	<0.08			
11/14/2016		<0.08		
11/15/2016			<0.08	<0.08
11/16/2016	<0.08			
1/10/2017		<0.08		
1/11/2017			<0.08	
1/13/2017				<0.08
1/17/2017	<0.08			
2/28/2017		<0.08	<0.08	
3/1/2017				<0.08
3/2/2017	<0.08			
4/20/2017		<0.08	<0.08	
4/24/2017				<0.08
4/25/2017	<0.08			
7/13/2017	<0.08			
10/10/2017		<0.08		
10/11/2017			<0.08	
10/12/2017	<0.08			<0.08
1/10/2018		<0.08	<0.08	
1/12/2018	<0.08			<0.08
7/11/2018		<0.08	<0.08	
7/12/2018	<0.08			<0.08
1/29/2019		<0.08	<0.08	
1/30/2019	<0.08			<0.08
3/26/2019		<0.08	<0.08	
3/27/2019	<0.08			<0.08
9/10/2019		0.052 (J)	<0.08	
9/11/2019	0.04 (J)			<0.08
3/31/2020		<0.08	<0.08	
4/1/2020	<0.08			<0.08

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					<0.0025
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				<0.0025	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				<0.0025	<0.0025
7/11/2014				<0.0025	<0.0025
1/15/2015					<0.0025
1/16/2015				<0.0025	
6/19/2015					<0.0025
6/20/2015				<0.0025	
12/7/2015	<0.0025	<0.0025	<0.0025		
12/14/2015			<0.0025		
12/15/2015	<0.0025	<0.0025			
12/28/2015			<0.0025		
12/29/2015	<0.0025	<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025		
1/16/2016				<0.0025	<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	0.001	6.2E-05 (J)		<0.0025	<0.0025
6/15/2016			<0.0025		
8/9/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025		<0.0025
11/14/2016					<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/10/2017				<0.0025	<0.0025
1/11/2017		<0.0025	<0.0025		
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025		<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.0025		
4/19/2017				<0.0025	<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025		
7/17/2017				<0.0025	
7/18/2017	<0.0025				<0.0025
7/19/2017		<0.0025	<0.0025		
1/10/2018	<0.0025			<0.0025	<0.0025
1/11/2018		<0.0025	<0.0025		
7/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				<0.0025	<0.0025
9/10/2019	0.00035 (J)	<0.0025	0.00015 (J)		
9/11/2019				<0.0025	<0.0025
3/31/2020	<0.0025				
4/1/2020		<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	<0.0025		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	<0.0025		
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2013			<0.0025	<0.0025	
1/20/2013	<0.0025	<0.0025			
7/18/2013				<0.0025	
7/19/2013	<0.0025	<0.0025	<0.0025		
1/15/2014	<0.0025		<0.0025	<0.0025	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	<0.0025		<0.0025	<0.0025	
1/15/2015				<0.0025	
1/16/2015	<0.0025	<0.0025	<0.0025		
6/19/2015				<0.0025	
6/20/2015	<0.0025	<0.0025	<0.0025		
12/7/2015					<0.0025
12/15/2015					<0.0025
12/28/2015					<0.0025
1/13/2016					<0.0025
1/14/2016			<0.0025		
1/16/2016	<0.0025	<0.0025		<0.0025	
1/25/2016					<0.0025
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	<0.0025		<0.0025	<0.0025	<0.0025
6/16/2016		<0.0025			
8/9/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/11/2017					<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	
1/23/2017	<0.0025				
2/28/2017					<0.0025
3/1/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/20/2017	<0.0025			<0.0025	<0.0025
4/24/2017		<0.0025	<0.0025		
7/19/2017	<0.0025				<0.0025
7/20/2017				<0.0025	
7/24/2017		<0.0025	<0.0025		
1/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/11/2018					<0.0025
7/12/2018	<0.0025	<0.0025	<0.0025	<0.0025	
1/29/2019					<0.0025
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2020	<0.0025	<0.0025		<0.0025	<0.0025
4/2/2020			<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.00049 (J)	<0.0025	<0.0025		
12/9/2015				<0.0025	<0.0025
12/14/2015	0.00053 (J)	<0.0025		0.00031 (J)	<0.0025
12/15/2015			<0.0025		
12/28/2015	0.00061 (J)	<0.0025	<0.0025		
12/29/2015				0.00075 (J)	<0.0025
1/13/2016	0.00063 (J)				
1/14/2016		<0.0025	<0.0025	0.00039 (J)	<0.0025
1/25/2016				0.00078 (J)	<0.0025
1/26/2016	0.00072 (J)	<0.0025	<0.0025		
4/19/2016		<0.0025	0.00017 (J)		
4/20/2016	0.000633 (J)				
4/21/2016				0.00052 (J)	<0.0025
6/15/2016	0.00055 (J)				
6/16/2016		8.5E-05 (J)	0.00018 (J)	0.00044 (J)	0.00012 (J)
8/9/2016	0.00046 (J)				
8/10/2016			<0.0025	<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	0.00071 (J)			<0.0025	0.00062 (J)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00056 (J)		<0.0025	<0.0025	<0.0025
11/16/2016		<0.0025			
1/11/2017	0.0007 (J)	<0.0025			
1/12/2017					<0.0025
1/13/2017				0.00036 (J)	
1/16/2017			<0.0025		
3/1/2017	0.00063 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2017	0.00055 (J)				
4/24/2017					<0.0025
4/25/2017		<0.0025	<0.0025	<0.0025	
7/19/2017	0.00072 (J)				
7/25/2017		<0.0025	<0.0025	<0.0025	<0.0025
1/11/2018	0.00062 (J)				<0.0025
1/12/2018		<0.0025	<0.0025	<0.0025	
7/11/2018	0.0004 (J)	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	0.00062 (J)		0.0002 (J)	0.00016 (J)	
1/30/2019		<0.0025			0.00014 (J)
3/27/2019	0.00041	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.00064 (J)	<0.0025	0.00031 (J)	0.00029 (J)	0.00029 (J)
4/1/2020	0.00048 (J)	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025	<0.0025
7/11/2005		<0.0025	<0.0025	<0.0025
12/7/2005		<0.0025	<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025	<0.0025
12/29/2009			<0.0025	<0.0025
12/30/2009		<0.0025		
6/22/2010		<0.0025	<0.0025	<0.0025
1/4/2011		<0.0025	<0.0025	
1/5/2011				<0.0025
7/9/2011			<0.0025	<0.0025
7/10/2011		<0.0025		
1/21/2012		<0.0025	<0.0025	<0.0025
7/11/2012		<0.0025	<0.0025	<0.0025
1/19/2013			<0.0025	<0.0025
1/20/2013		<0.0025		
7/18/2013			<0.0025	<0.0025
7/19/2013		<0.0025		
1/15/2014			<0.0025	<0.0025
1/16/2014		<0.0025		
7/10/2014		<0.0025	<0.0025	<0.0025
1/15/2015			<0.0025	
1/16/2015		<0.0025		<0.0025
6/19/2015			<0.0025	
6/20/2015		<0.0025		<0.0025
1/14/2016		<0.0025	<0.0025	<0.0025
4/19/2016				<0.0025
4/20/2016		0.000111 (J)	<0.0025	
6/14/2016		0.00013 (J)	<0.0025	
6/15/2016				<0.0025
6/16/2016	<0.0025			
8/9/2016			<0.0025	
8/10/2016	<0.0025			<0.0025
8/11/2016		<0.0025		
9/27/2016		<0.0025	<0.0025	<0.0025
9/28/2016	<0.0025			
11/14/2016		<0.0025		
11/15/2016			<0.0025	<0.0025
11/16/2016	<0.0025			
1/10/2017		<0.0025		
1/11/2017			<0.0025	
1/13/2017				<0.0025
1/17/2017	<0.0025			
1/19/2017			<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.0025	
2/28/2017		<0.0025	<0.0025	
3/1/2017				<0.0025
3/2/2017	<0.0025			
4/20/2017		<0.0025	<0.0025	
4/24/2017				<0.0025
4/25/2017	<0.0025			
7/13/2017	<0.0025			
7/18/2017		<0.0025	<0.0025	
7/24/2017				<0.0025
7/25/2017	<0.0025			
1/10/2018		<0.0025	<0.0025	
1/12/2018	<0.0025			<0.0025
7/11/2018		<0.0025	<0.0025	
7/12/2018	<0.0025			<0.0025
1/29/2019		<0.0025	<0.0025	
1/30/2019	0.00015 (J)			<0.0025
3/26/2019		<0.0025	<0.0025	
3/27/2019	<0.0025			<0.0025
9/10/2019		0.00019 (J)	<0.0025	
9/11/2019	0.00018 (J)			<0.0025
3/31/2020		<0.0025	<0.0025	
4/1/2020	<0.0025			<0.0025

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				0.485 (J)	1.13
4/20/2016	0.389 (J)	0.686	0.472 (J)		
6/14/2016	0.37 (J)	0.62		0.72	1
6/15/2016			0.42 (J)		
8/9/2016	0.14 (J)	0.39	0.19	0.24 (J)	0.71
9/26/2016				0.48	
9/27/2016	0.33	0.52	0.39		0.77
11/14/2016					0.75
11/15/2016	0.28	0.5	0.39	0.54	
1/10/2017				0.62	0.73
1/11/2017		0.47	0.36		
1/12/2017	0.37				
2/28/2017	0.26	0.47		0.91	0.76
3/1/2017			0.38		
4/19/2017				0.75	0.69
4/20/2017	0.27	0.5	0.41		
10/10/2017				0.54	
10/11/2017	0.3	0.49	0.4		0.73
1/10/2018	0.27			0.52	0.88
1/11/2018		0.51	0.43		
7/11/2018	0.32	0.47	0.45	0.5	0.81
1/29/2019	0.33	0.51	0.41	0.53	0.85
3/26/2019	0.3	0.42	0.37		
3/27/2019				0.37	0.73
9/10/2019	0.37 (J)	0.47 (J)	0.41 (J)		
9/11/2019				0.43 (J)	0.76
3/31/2020	0.42 (J)				
4/1/2020		0.49 (J)	0.43 (J)	0.47 (J)	0.72

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	3.22		8.94	0.69	
4/21/2016		13.9			0.686
6/15/2016	3		10.6	0.69	0.61
6/16/2016		18.9			
8/9/2016					0.21 (J)
8/10/2016	2.1	13	7.6	0.45	
9/27/2016	2.3	14	8.7	0.61	0.4
11/15/2016	2.4	13	8.4	0.61	0.35
1/11/2017					0.34
1/12/2017	2.5	14	8.1	0.6	
2/28/2017					0.37
3/1/2017	2.7	15	8.9	0.61	
4/20/2017	2.6			0.65	0.43
4/24/2017		14	8.8		
10/11/2017	2.4		10		0.41
10/12/2017		16		0.76	
12/12/2017		23			
12/13/2017			11		
1/11/2018	2.4	15	9.3	0.78	0.41
7/11/2018					0.53
7/12/2018	1.8	27	13	0.67	
1/29/2019					0.91
1/30/2019	2.5	26	11	0.68 (J)	
3/26/2019					0.58
3/27/2019	2.4	22	13	0.62	
9/11/2019	1.4	26	9.3	0.62	0.42 (J)
4/1/2020	1.9	21		0.7	2.3
4/2/2020			8.5		

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		26	10.3		
4/20/2016	2.48				
4/21/2016				2.29	2.78
6/15/2016	2.2				
6/16/2016		33.2	10.4	2.4	2.9
8/9/2016	1.8				
8/10/2016			6.7	1.4	0.99
8/11/2016		18			
9/27/2016	1.9			1.4	1.3
9/28/2016		17	6.9		
11/15/2016	2.1		7.5	1.3	1.1
11/16/2016		17			
1/11/2017	2	15			
1/12/2017					0.93
1/13/2017				1.3	
1/16/2017			8		
3/1/2017	2.1	16	8.5	1.4	1
4/20/2017	2				
4/24/2017					1.1
4/25/2017		17	8.2	1.4	
10/11/2017	2.1				
10/12/2017		14	9.5	1.7	1.1
12/12/2017			9.1		
12/13/2017		12			
1/11/2018	2.1				1
1/12/2018		15	9.5	1.7	
7/11/2018	2.1	12	10	1.7	1.1
1/29/2019	2.2		9.2	1.8	
1/30/2019		14			1 (J)
3/27/2019	2	11	9.2	1.5	1.1
9/11/2019	2	13	8.2	1.5	1
4/1/2020	2.1	11	8.7	1.8	1.1

Time Series

Constituent: Calcium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				0.431 (J)
4/20/2016		1.12	4.39	
6/14/2016		1.1	2.4	
6/15/2016				0.27 (J)
6/16/2016	15.6			
8/9/2016			2	
8/10/2016	10			0.13 (J)
8/11/2016		1.9		
9/27/2016		3.4	2.9	0.21 (J)
9/28/2016	8.5			
11/14/2016		3.1		
11/15/2016			2.5	0.27
11/16/2016	8.4			
1/10/2017		1.5		
1/11/2017			2.5	
1/13/2017				0.41
1/17/2017	3			
2/28/2017		1.1	2.7	
3/1/2017				0.25
3/2/2017	3.3			
4/20/2017		0.98	2.8	
4/24/2017				0.34
4/25/2017	2.5			
7/13/2017	2.1			
10/10/2017		0.8		
10/11/2017			3.3	
10/12/2017	1.5			0.21 (J)
1/10/2018		0.82	3.3	
1/12/2018	1.4			0.4
7/11/2018		1	3	
7/12/2018	1.2			0.49
1/29/2019		0.83	3.3	
1/30/2019	1.1 (J)			0.38 (J)
3/26/2019		0.53	2.8	
3/27/2019	1.4			0.28
9/10/2019		0.64	2.3	
9/11/2019	1.4			0.44 (J)
3/31/2020		0.8	2.9	
4/1/2020	1.4			0.2 (J)

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				5.01	9.4
4/20/2016	3.49	4.55	3.92		
6/14/2016	3.4	4.3		5	8.3
6/15/2016			3.8		
8/9/2016	3.7	4.5	4	5.1	8.6
9/26/2016				5.1	
9/27/2016	3.8	4.4	3.9		6.3
11/14/2016					6.1
11/15/2016	3.8	4.5	4	5.2	
1/10/2017				4.9	6.1
1/11/2017		4.3	3.7		
1/12/2017	3.5				
2/28/2017	3.6	4		4.7	6.2
3/1/2017			3.5		
4/19/2017				4.4	5
4/20/2017	3.4	4	3.6		
10/10/2017				4.7	
10/11/2017	3.4	4	3.5		4.1
1/10/2018	3.4			4.6	4.2
1/11/2018		3.9	3.4		
7/11/2018	3.4	4.2	3.7	5	4.3
1/29/2019	3.6	4	3.8	5	4
3/26/2019	3.5	4.1	3.6		
3/27/2019				4.5	3.5
9/10/2019	3.3	4	3.7		
9/11/2019				4.8	3.5
3/31/2020	3.7				
4/1/2020		4.2	3.8	4.9	3.7

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	6.68		4.9	3.61	
4/21/2016		6.41			3.99
6/15/2016	7		4.6	3.3	3.5
6/16/2016		6			
8/9/2016					4
8/10/2016	7	6.8	5.1	3.8	
9/27/2016	6.4	6.1	4.9	3.7	3.9
11/15/2016	6.6	6.7	5	3.9	4
1/11/2017					3.8
1/12/2017	7.3	6.5	4.7	3.6	
2/28/2017					3.5
3/1/2017	7.5	6.3	4.4	3.4	
4/20/2017	6.8			3.5	3.3
4/24/2017		6.1	4.4		
10/11/2017	7		4.5		3.5
10/12/2017		6		3.5	
1/11/2018	7.5	5.9	4.3	3.4	3.4
7/11/2018					3.8
7/12/2018	7	5.1	4.3	3.7	
1/29/2019					3.7
1/30/2019	6.8	5.6	4.6	3.7	
3/26/2019					3.8
3/27/2019	6.8	5.3	4	3.3	
9/11/2019	6	5.4	4.4	3.5	3.7
4/1/2020	5.9	6.9		3.7	3.8
4/2/2020			4.6		

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		5.03	6.1		
4/20/2016	4.25				
4/21/2016				11.6	6.08
6/15/2016	4.1				
6/16/2016		4.7	5.7	10	5.8
8/9/2016	4.5				
8/10/2016			6.2	10	6.5
8/11/2016		5.3			
9/27/2016	4.4			8.9	6.4
9/28/2016		5.1	6.9		
11/15/2016	4.5		7.8	8.5	6.4
11/16/2016		5.2			
1/11/2017	4.2	5			
1/12/2017					6.3
1/13/2017				8.3	
1/16/2017			8.6		
3/1/2017	3.9	4.6	8.3	7.9	5.9
4/20/2017	4				
4/24/2017					5.9
4/25/2017		4.6	8.4	8.2	
10/11/2017	4.1				
10/12/2017		4.6	8.7	9.1	6.1
1/11/2018	4.1				5.8
1/12/2018		4.5	9	9	
7/11/2018	4.4	4.9	9.1	9.9	6.4
9/13/2018				8.9	
1/29/2019	4.5		8.2	8.8	
1/30/2019		4.8			6.7
3/27/2019	4.1	4.3	7.5	8.9	6.3
9/11/2019	4.3	4.5	7.7	8.7	6.7
4/1/2020	4.6	4.7	7.3	8.6	6.5

Time Series

Constituent: Chloride (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				14.4
4/20/2016		2.93	3.69	
6/14/2016		2.9	3.5	
6/15/2016				12
6/16/2016	5.1			
8/9/2016			3.7	
8/10/2016	4.4			13
8/11/2016		3.6		
9/27/2016		3.4	3.6	12
9/28/2016	4			
11/14/2016		4.2		
11/15/2016			3.7	11
11/16/2016	4.1			
1/10/2017		3.6		
1/11/2017			3.5	
1/13/2017				11
1/17/2017	4.3			
2/28/2017		3.3	3.3	
3/1/2017				11
3/2/2017	4			
4/20/2017		3.5	3.3	
4/24/2017				9.3
4/25/2017	4.1			
7/13/2017	4.2			
10/10/2017		3.9		
10/11/2017			3.2	
10/12/2017	4.3			9.8
12/12/2017				10
1/10/2018		3.3	3.2	
1/12/2018	4.3			9
7/11/2018		3.2	3.5	
7/12/2018	4.9			9.4
9/13/2018				9.1
1/29/2019		3.4	3.6	
1/30/2019	7.4			9.1
3/26/2019		3.7	3.6	
3/27/2019	4.2			10
6/17/2019				9.4
9/10/2019		3.6	3.5	
9/11/2019	4.6			9.3
3/31/2020		4.9	4.1	
4/1/2020	4.9			9.7

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				<0.002	0.0024
9/26/2004				<0.002	<0.002
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				0.0024	0.0021
11/28/2006				0.0019	0.0023
7/6/2007				0.0021	0.0049
12/13/2007				0.0021	0.0013
6/20/2008				0.0017	0.0025
12/7/2008				0.0018	0.0034
7/9/2009				0.0015	<0.002
12/28/2009				0.002	0.0021
6/22/2010				0.0017	0.0018
1/4/2011				0.002	
1/5/2011					0.077 (O)
7/9/2011				0.0027	0.004
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				0.0061 (O)	<0.002
1/19/2013					0.0013
1/20/2013				0.002	
7/18/2013					0.0022
7/19/2013				0.0021	
1/15/2014				0.0029	0.0019
7/11/2014				0.002	0.0014
1/15/2015					0.0011 (J)
1/16/2015				0.0026	
6/19/2015					0.0012 (J)
6/20/2015				0.002	
12/7/2015	<0.002	<0.002	<0.002		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/16/2016				0.0015	0.0014
1/25/2016	<0.002	<0.002	<0.002		
4/19/2016				<0.002	<0.002
4/20/2016	<0.01 (o)	<0.002	<0.002		
6/14/2016	0.0094 (J)	0.00086 (J)		0.0017 (J)	0.00085 (J)
6/15/2016			0.00072 (J)		
8/9/2016	<0.002	<0.002	<0.002	0.0014 (J)	<0.002
9/26/2016				0.0016 (J)	
9/27/2016	<0.002	<0.002	<0.002		<0.002
11/14/2016					0.0011 (J)
11/15/2016	<0.002	<0.002	0.0011 (J)	0.0015 (J)	
1/10/2017				0.0015 (J)	0.0012 (J)
1/11/2017		<0.002	0.0012 (J)		
1/12/2017	<0.002				
2/28/2017	0.0049	0.0047		0.0044	0.004
3/1/2017			0.0052		

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2017				0.0011 (J)	0.0011 (J)
4/20/2017	0.0011 (J)	<0.002	0.0013 (J)		
7/17/2017				0.0011 (J)	
7/18/2017	<0.002				<0.002
7/19/2017		<0.002	0.0015 (J)		
1/10/2018	<0.002			0.0014 (J)	0.0012 (J)
1/11/2018		<0.002	0.0013 (J)		
7/11/2018	<0.002	<0.002	0.0012 (J)	0.0011 (J)	0.0011 (J)
1/29/2019	0.0037 (J)	<0.002	<0.002	<0.002	<0.002
3/26/2019	0.0014	<0.002	0.0015		
3/27/2019				0.0016	0.0014
9/10/2019	0.0052	0.004	0.004		
9/11/2019				0.004	0.0034
3/31/2020	0.0019 (J)				
4/1/2020		<0.002	0.024	0.0017 (J)	<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	0.0033	<0.002	
9/11/2004	<0.002	0.0027	0.0038	<0.002	
9/26/2004	<0.002	<0.002	0.0031	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	0.0036	0.0039	<0.002	
12/7/2005	0.0021	0.0042	0.0053	<0.002	
6/22/2006	0.002	0.0045	0.0069	0.002	
11/28/2006	0.0024	0.0017	0.0056	0.0015	
7/6/2007	0.0034	<0.002	0.0063	0.0021	
12/13/2007	0.0029	<0.002	0.0058	0.0025	
6/20/2008	0.002	<0.002	0.013	0.0017	
12/7/2008	0.072 (O)	<0.002	0.0048	0.0016	
2/6/2009	0.0035				
7/9/2009	0.0017				
7/10/2009		0.0021	0.0086	0.0017	
12/28/2009	<0.002			0.0018	
12/29/2009		0.0023	0.0077		
6/22/2010	<0.002	0.0051	0.0046	0.0018	
1/4/2011	0.0023	0.0026		0.0039	
1/5/2011			0.0053		
7/9/2011	0.005		0.007	0.0041	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	0.0073		
7/11/2012	0.0023	0.0018	0.01	0.0052	
1/19/2013			0.0058	0.0025	
1/20/2013	0.003	0.0014			
7/18/2013				0.0035	
7/19/2013	<0.002	0.0032	0.005		
1/15/2014	0.002		0.0081	0.0082	
1/16/2014		0.0058			
7/10/2014		0.0034			
7/11/2014	0.0012 (J)		0.0087	0.0048	
1/15/2015				0.0022	
1/16/2015	0.0011 (J)	0.0024	0.0061		
6/19/2015				0.0024	
6/20/2015	0.0028	0.0072	0.005		
12/7/2015					<0.002
12/15/2015					<0.002
12/28/2015					<0.002
1/14/2016			0.0045		
1/16/2016	0.0013	0.0076		0.002	
1/25/2016					<0.002
4/20/2016	<0.002		0.00856 (J)	<0.002	
4/21/2016		0.00617 (J)			<0.002
6/15/2016	0.0011 (J)		0.0061 (J)	0.0016 (J)	0.0008 (J)
6/16/2016		0.007 (J)			
8/9/2016					<0.002
8/10/2016	0.0015 (J)	0.0056	0.0052	0.0016 (J)	
9/27/2016	0.0018 (J)	0.0057	0.0051	0.0019 (J)	<0.002
11/15/2016	0.0019 (J)	0.0062	0.005	0.0017 (J)	<0.002
1/11/2017					<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.0012 (J)	0.0061	0.0051	0.0017 (J)	
1/23/2017	<0.002				
2/28/2017					0.0051
3/1/2017	0.0049	0.01	0.0088	0.0055	
4/20/2017	<0.002			0.0016 (J)	0.0012 (J)
4/24/2017		0.0053	0.0049		
7/19/2017	0.0017 (J)				0.0013 (J)
7/20/2017				0.0017 (J)	
7/24/2017		0.0055	0.0049		
1/11/2018	<0.002	0.0055	0.0044	0.0016 (J)	0.0011 (J)
7/11/2018					<0.002
7/12/2018	<0.002	0.0017 (J)	0.0023 (J)	0.0015 (J)	
1/29/2019					<0.002
1/30/2019	<0.002	0.0071 (J)	0.006 (J)	0.0039 (J)	
3/26/2019					0.0016
3/27/2019	<0.002	0.0035	0.0031	0.0019	
9/11/2019	0.0035	0.004	0.0071	0.0036	0.0038
4/1/2020	<0.002	0.0084		0.0019 (J)	0.0015 (J)
4/2/2020			0.0055		

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.002	0.0012 (J)	0.0026		
12/9/2015				<0.002	<0.002
12/14/2015	<0.002	0.0018		<0.002	<0.002
12/15/2015			0.0017		
12/28/2015	<0.002	0.0017	0.0016		
12/29/2015				<0.002	<0.002
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	0.0013	0.0016		
4/19/2016		0.00277 (J)	0.002		
4/20/2016	<0.002				
4/21/2016				<0.002	<0.002
6/15/2016	0.0018 (J)				
6/16/2016		0.0021 (J)	0.0016 (J)	0.0008 (J)	0.00031 (J)
8/9/2016	0.002 (J)				
8/10/2016			0.0016 (J)	<0.002	<0.002
8/11/2016		0.0023 (J)			
9/27/2016	0.0021 (J)			<0.002	0.35 (o)
9/28/2016		0.0022 (J)	<0.002		
11/15/2016	0.002 (J)		<0.002	<0.002	<0.002
11/16/2016		0.0019 (J)			
1/11/2017	0.0025	0.0025			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			0.0013 (J)		
3/1/2017	0.0067	0.0065	0.0056	0.005	0.0044
4/20/2017	0.0024 (J)				
4/24/2017					<0.002
4/25/2017		0.0026	0.0019 (J)	<0.002	
7/19/2017	0.0025				
7/25/2017		0.0023 (J)	0.0013 (J)	<0.002	<0.002
1/11/2018	0.0026				<0.002
1/12/2018		0.002 (J)	0.0017 (J)	<0.002	
7/11/2018	0.0025	0.0022 (J)	0.0011 (J)	<0.002	<0.002
1/29/2019	0.0041 (J)		<0.002	<0.002	
1/30/2019		0.0049 (J)			<0.002
3/27/2019	0.0028	0.0025	0.0014	<0.002	<0.002
9/11/2019	0.0059	0.0049	0.0043	0.0034	0.0025
4/1/2020	0.0032	0.0025	0.0018 (J)	<0.002	<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0022	0.22 (O)	<0.002
9/11/2004		<0.002	<0.002	<0.002
9/26/2004		<0.002	<0.002	<0.002
10/13/2004		<0.002	<0.002	<0.002
7/11/2005		<0.002	0.0023	<0.002
12/7/2005		<0.002	<0.002	<0.002
6/22/2006		<0.002	<0.002	<0.002
11/28/2006		<0.002	<0.002	<0.002
7/6/2007		<0.002	<0.002	0.0017
12/13/2007		<0.002	<0.002	0.0021
6/20/2008		<0.002	<0.002	0.0021
12/7/2008		<0.002	<0.002	0.0018
7/9/2009		<0.002	<0.002	0.0024
12/29/2009			0.004	0.0021
12/30/2009		0.0078		
6/22/2010		<0.002	<0.002	<0.002
1/4/2011		0.0037	0.0027	
1/5/2011				0.0034
7/9/2011			<0.002	0.0018
7/10/2011		<0.002		
1/21/2012		<0.002	<0.002	<0.002
7/11/2012		0.0096	0.0038	0.0038
1/19/2013			0.002	0.0065 (o)
1/20/2013		0.0052		
7/18/2013			0.0023	0.0029
7/19/2013		0.002		
1/15/2014			0.0012 (J)	<0.002
1/16/2014		0.0061		
7/10/2014		<0.002	0.0012 (J)	<0.002
1/15/2015			<0.002	
1/16/2015		0.002		<0.002
6/19/2015			0.0037	
6/20/2015		0.0011 (J)		<0.002
1/14/2016		0.0011 (J)	<0.002	<0.002
4/19/2016				<0.002
4/20/2016		<0.002	<0.002	
6/14/2016		0.0013 (J)	0.0011 (J)	
6/15/2016				0.00021
6/16/2016	0.00023 (J)			
8/9/2016			<0.002	
8/10/2016	<0.002			<0.002
8/11/2016		<0.002		
9/27/2016		<0.002	<0.002	<0.002
9/28/2016	<0.002			
11/14/2016		<0.002		
11/15/2016			<0.002	<0.002
11/16/2016	<0.002			
1/10/2017		<0.002		
1/11/2017			<0.002	
1/13/2017				0.0012 (J)
1/17/2017	<0.002			
1/19/2017			0.002 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.002	
2/28/2017		0.0048	0.0054	
3/1/2017				0.0043
3/2/2017	0.0017 (J)			
4/20/2017		<0.002	0.0013 (J)	
4/24/2017				<0.002
4/25/2017	<0.002			
7/13/2017	<0.002			
7/18/2017		<0.002	<0.002	
7/24/2017				<0.002
7/25/2017	<0.002			
1/10/2018		<0.002	<0.002	
1/12/2018	<0.002			<0.002
7/11/2018		<0.002	<0.002	
7/12/2018	<0.002			<0.002
1/29/2019		<0.002	<0.002	
1/30/2019	<0.002			<0.002
3/26/2019		<0.002	<0.002	
3/27/2019	<0.002			<0.002
9/10/2019		0.0031	0.0041	
9/11/2019	0.004			0.0025
3/31/2020		<0.002	<0.002	
4/1/2020	0.0022			<0.002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					0.0066 (o)
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				0.0017	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				0.0011 (J)	<0.0025
7/11/2014				0.0012 (J)	<0.0025
1/15/2015					<0.0025
1/16/2015				0.00083 (J)	
6/19/2015					<0.0025
6/20/2015				0.0013	
12/7/2015	0.0012 (J)	0.001 (J)	0.0012 (J)		
12/14/2015			0.001 (J)		
12/15/2015	0.00099 (J)	0.00078 (J)			
12/28/2015			0.0012 (J)		
12/29/2015	0.0012 (J)	0.00094 (J)			
1/13/2016	0.0012 (J)	0.001 (J)	0.001 (J)		
1/16/2016				0.0012 (J)	<0.0025
1/25/2016	0.00095 (J)	0.00085 (J)	0.00089 (J)		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	0.00072 (J)	0.00048 (J)		0.001 (J)	0.00044 (J)
6/15/2016			0.00063 (J)		
8/9/2016	0.00041 (J)	0.00045 (J)	0.00055 (J)	0.0012 (J)	0.00042 (J)
9/26/2016				0.0012 (J)	
9/27/2016	0.00058 (J)	0.00046 (J)	0.00059 (J)		0.00042 (J)
11/14/2016					<0.0025
11/15/2016	0.00048 (J)	<0.0025	0.0005 (J)	0.0013 (J)	
1/10/2017				0.0011 (J)	<0.0025
1/11/2017		<0.0025	0.00044 (J)		
1/12/2017	0.0014 (J)				
2/28/2017	0.00075 (J)	0.00051 (J)		0.0014 (J)	0.00048 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			0.00066 (J)		
4/19/2017				0.0012 (J)	<0.0025
4/20/2017	0.0005 (J)	<0.0025	0.00045 (J)		
7/17/2017				0.0013 (J)	
7/18/2017	0.00051 (J)				<0.0025
7/19/2017		<0.0025	0.00047 (J)		
1/10/2018	0.00049 (J)			0.0013 (J)	<0.0025
1/11/2018		<0.0025	0.00043 (J)		
7/11/2018	<0.0025	<0.0025	0.00043 (J)	0.0013 (J)	<0.0025
1/29/2019	0.00043 (J)	0.00029 (J)	0.00044 (J)	0.001 (J)	0.00035 (J)
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				0.0011	<0.0025
9/10/2019	0.00064	0.00042 (J)	0.0005		
9/11/2019				0.0015	0.00039 (J)
3/31/2020	0.00034 (J)				
4/1/2020		0.00033 (J)	0.00036 (J)	0.0013 (J)	0.00024 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	0.0071		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		0.0037	0.0039	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	0.0062		
7/11/2012	0.0013	<0.0025	0.007	0.012	
1/19/2013			<0.0025	<0.0025	
1/20/2013	0.0013	<0.0025			
7/18/2013				<0.0025	
7/19/2013	0.0015	<0.0025	<0.0025		
1/15/2014	0.0017		0.0028	0.005	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	0.0018		<0.0025	0.00079 (J)	
1/15/2015				0.00069 (J)	
1/16/2015	0.0019	<0.0025	0.0048		
6/19/2015				0.0007 (J)	
6/20/2015	0.002	0.0006 (J)	<0.0025		
12/7/2015					0.0011 (J)
12/15/2015					0.0011 (J)
12/28/2015					0.0016
1/13/2016					0.0016
1/14/2016			<0.0025		
1/16/2016	0.0015	<0.0025		0.00061 (J)	
1/25/2016					0.0014
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	0.0015 (J)		0.00011 (J)	0.00051 (J)	0.00047 (J)
6/16/2016		1E-05 (J)			
8/9/2016					<0.0025
8/10/2016	0.0016 (J)	<0.0025	<0.0025	0.00052 (J)	
9/27/2016	0.0016 (J)	<0.0025	<0.0025	0.00077 (J)	0.00045 (J)
11/15/2016	0.0015 (J)	<0.0025	<0.0025	0.00055 (J)	0.00048 (J)
1/11/2017					0.00046 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.0016 (J)	<0.0025	<0.0025	0.0005 (J)	
1/23/2017	<0.0025				
2/28/2017					0.00061 (J)
3/1/2017	0.0021 (J)	<0.0025	<0.0025	0.00079 (J)	
4/20/2017	0.0018 (J)			0.00056 (J)	0.00042 (J)
4/24/2017		<0.0025	<0.0025		
7/19/2017	0.0015 (J)				0.00041 (J)
7/20/2017				0.00051 (J)	
7/24/2017		<0.0025	<0.0025		
1/11/2018	0.0019 (J)	<0.0025	<0.0025	0.0006 (J)	0.00044 (J)
7/11/2018					0.0004 (J)
7/12/2018	0.0018 (J)	<0.0025	<0.0025	0.00056 (J)	
1/29/2019					0.00037 (J)
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	0.0017	<0.0025	<0.0025	0.00051	
9/11/2019	0.002	0.0001 (J)	<0.0025	0.00067	0.00044 (J)
4/1/2020	0.0016 (J)	<0.0025		0.00051 (J)	0.00036 (J)
4/2/2020			<0.0025		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0018	<0.0025	0.00084 (J)		
12/9/2015				0.0055	0.0013
12/14/2015	0.0016	<0.0025		0.0073	0.0014
12/15/2015			0.00063 (J)		
12/28/2015	0.0015	<0.0025	0.00071 (J)		
12/29/2015				0.0076	0.0018
1/13/2016	0.0013				
1/14/2016		<0.0025	<0.0025	0.0056	0.0018
1/25/2016				0.0061	0.0019
1/26/2016	0.0012 (J)	<0.0025	<0.0025		
4/19/2016		<0.0025	<0.0025		
4/20/2016	<0.0025				
4/21/2016				0.00468 (J)	<0.0025
6/15/2016	0.00073 (J)				
6/16/2016		0.00017 (J)	6.7E-05 (J)	0.0032 (J)	0.0021 (J)
8/9/2016	0.00069 (J)				
8/10/2016			<0.0025	0.0025	0.0015 (J)
8/11/2016		<0.0025			
9/27/2016	0.00081 (J)			0.0023 (J)	0.015 (o)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00071 (J)		<0.0025	0.0019 (J)	0.0017 (J)
11/16/2016		<0.0025			
1/11/2017	0.00062 (J)	<0.0025			
1/12/2017					0.0014 (J)
1/13/2017				0.0017 (J)	
1/16/2017			<0.0025		
3/1/2017	0.00081 (J)	<0.0025	<0.0025	0.0021 (J)	0.0019 (J)
4/20/2017	0.00053 (J)				
4/24/2017					0.0015 (J)
4/25/2017		<0.0025	<0.0025	0.0016 (J)	
7/19/2017	0.00051 (J)				
7/25/2017		<0.0025	<0.0025	0.0016 (J)	0.0014 (J)
1/11/2018	0.00046 (J)				0.0013 (J)
1/12/2018		<0.0025	<0.0025	0.0014 (J)	
7/11/2018	<0.0025	<0.0025	<0.0025	0.0013 (J)	0.0012 (J)
1/29/2019	0.00038 (J)		<0.0025	0.00084 (J)	
1/30/2019		<0.0025			<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	0.0012	0.001
9/11/2019	0.00034 (J)	8.2E-05 (J)	9.9E-05 (J)	0.0014	0.0012
4/1/2020	0.00023 (J)	<0.0025	<0.0025	0.00094 (J)	0.00088 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025	<0.0025
7/11/2005		<0.0025	<0.0025	<0.0025
12/7/2005		<0.0025	<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025	<0.0025
12/29/2009			0.011	<0.0025
12/30/2009		0.013		
6/22/2010		<0.0025	<0.0025	<0.0025
1/4/2011		<0.0025	<0.0025	
1/5/2011				<0.0025
7/9/2011			<0.0025	<0.0025
7/10/2011		<0.0025		
1/21/2012		0.0061	<0.0025	<0.0025
7/11/2012		0.01	0.0072	0.0013
1/19/2013			<0.0025	0.0055
1/20/2013		0.0033		
7/18/2013			<0.0025	<0.0025
7/19/2013		<0.0025		
1/15/2014			0.00075 (J)	0.00052 (J)
1/16/2014		0.0027		
7/10/2014		<0.0025	0.0007 (J)	0.00055 (J)
1/15/2015			0.0007 (J)	
1/16/2015		0.0077		<0.0025
6/19/2015			0.0011 (J)	
6/20/2015		<0.0025		0.00052 (J)
1/14/2016		<0.0025	0.00064 (J)	0.00051 (J)
4/19/2016				<0.0025
4/20/2016		<0.0025	<0.0025	
6/14/2016		0.0004 (J)	0.0006 (J)	
6/15/2016				0.00052 (J)
6/16/2016	0.0019 (J)			
8/9/2016			0.00062 (J)	
8/10/2016	0.0051			0.0006 (J)
8/11/2016		0.0046		
9/27/2016		0.001 (J)	0.00059 (J)	0.00063 (J)
9/28/2016	0.0058			
11/14/2016		<0.0025		
11/15/2016			0.00064 (J)	0.00053 (J)
11/16/2016	0.0063			
1/10/2017		0.00044 (J)		
1/11/2017			0.00064 (J)	
1/13/2017				0.00052 (J)
1/17/2017	0.0057			
1/19/2017			0.00046 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.009	
2/28/2017		0.001 (J)	0.00078 (J)	
3/1/2017				0.00084 (J)
3/2/2017	0.0095			
4/20/2017		0.00059 (J)	0.00065 (J)	
4/24/2017				0.00055 (J)
4/25/2017	0.0078			
7/13/2017	0.0061			
7/18/2017		0.00079 (J)	0.00069 (J)	
7/24/2017				0.00058 (J)
7/25/2017	0.0074			
1/10/2018		0.0018 (J)	0.00068 (J)	
1/12/2018	0.0072			0.00054 (J)
7/11/2018		0.0044	0.00071 (J)	
7/12/2018	0.0077			0.00072 (J)
1/29/2019		0.0033	0.00064 (J)	
1/30/2019	0.0061			<0.0025
3/26/2019		0.0037	0.00064	
3/27/2019	0.006			0.00051
9/10/2019		0.0031	0.00074	
9/11/2019	0.0059			0.00083
3/31/2020		0.0038	0.00067 (J)	
4/1/2020	0.0037			0.00042 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				0.003	<0.002
9/26/2004				<0.002	0.0029
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				<0.002	0.0026
11/28/2006				<0.002	<0.002
7/6/2007				<0.002	0.0034
12/13/2007				<0.002	<0.002
6/20/2008				<0.002	<0.002
12/7/2008				<0.002	<0.002
7/9/2009				<0.002	<0.002
12/28/2009				<0.002	<0.002
6/22/2010				<0.002	<0.002
1/4/2011				<0.002	
1/5/2011					0.014 (o)
7/9/2011				<0.002	<0.002
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				<0.002	<0.002
1/19/2013					<0.002
1/20/2013				<0.002	
7/18/2013					<0.002
7/19/2013				<0.002	
1/15/2014				<0.002	<0.002
7/11/2014				<0.002	<0.002
1/15/2015					<0.002
1/16/2015				<0.002	
6/19/2015					<0.002
6/20/2015				<0.002	
12/7/2015	<0.002	<0.002	0.001 (J)		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002		
1/16/2016				<0.002	<0.002
1/25/2016	<0.002	0.0014 (J)	0.00081 (J)		
6/14/2016	<0.002	<0.002		<0.002	<0.002
6/15/2016			<0.002		
1/10/2017				<0.002	<0.002
1/11/2017		<0.002	<0.002		
1/12/2017	<0.002				
7/17/2017				<0.002	
7/18/2017	<0.002				<0.002
7/19/2017		<0.002	<0.002		
1/10/2018	<0.002			<0.002	<0.002
1/11/2018		<0.002	<0.002		
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002		

Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.002	<0.002
9/10/2019	0.00066 (J)	0.00076 (J)	<0.002		
9/11/2019				<0.002	0.00092 (J)
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	<0.002	<0.002	
9/11/2004	<0.002	<0.002	<0.002	<0.002	
9/26/2004	<0.002	<0.002	<0.002	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	<0.002	<0.002	<0.002	
12/7/2005	<0.002	<0.002	<0.002	<0.002	
6/22/2006	<0.002	<0.002	<0.002	<0.002	
11/28/2006	<0.002	<0.002	0.0027	<0.002	
7/6/2007	<0.002	<0.002	<0.002	<0.002	
12/13/2007	<0.002	<0.002	<0.002	<0.002	
6/20/2008	<0.002	<0.002	<0.002	<0.002	
12/7/2008	<0.002	<0.002	<0.002	<0.002	
7/9/2009	<0.002				
7/10/2009		<0.002	<0.002	<0.002	
12/28/2009	<0.002			<0.002	
12/29/2009		<0.002	<0.002		
6/22/2010	<0.002	<0.002	<0.002	<0.002	
1/4/2011	<0.002	<0.002		<0.002	
1/5/2011			<0.002		
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	<0.002		
7/11/2012	<0.002	<0.002	<0.002	<0.002	
1/19/2013			<0.002	<0.002	
1/20/2013	<0.002	<0.002			
7/18/2013				<0.002	
7/19/2013	<0.002	<0.002	<0.002		
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			
7/10/2014		<0.002			
7/11/2014	<0.002		0.0014 (J)	<0.002	
1/15/2015				<0.002	
1/16/2015	<0.002	<0.002	<0.002		
6/19/2015				<0.002	
6/20/2015	<0.002	<0.002	<0.002		
12/7/2015					0.00084 (J)
12/15/2015					<0.002
12/28/2015					<0.002
1/13/2016					<0.002
1/14/2016			<0.002		
1/16/2016	<0.002	<0.002		<0.002	
1/25/2016					<0.002
6/15/2016	<0.002		<0.002	<0.002	<0.002
6/16/2016		<0.002			
1/11/2017					<0.002
1/12/2017	<0.002	<0.002	<0.002	<0.002	
7/19/2017	<0.002				<0.002
7/20/2017				<0.002	
7/24/2017		<0.002	<0.002		
1/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2018					<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.002	<0.002	<0.002	<0.002	
1/29/2019					<0.002
1/30/2019	<0.002	<0.002	<0.002	<0.002	
3/26/2019					<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	
9/11/2019	0.001 (J)	<0.002	<0.002	0.00069 (J)	<0.002
4/1/2020	<0.002	<0.002		<0.002	<0.002
4/2/2020			0.0013 (J)		

Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0021 (J)	<0.002	<0.002		
12/9/2015				<0.002	<0.002
12/14/2015	0.0018 (J)	0.00096 (J)		<0.002	<0.002
12/15/2015			<0.002		
12/28/2015	<0.002	<0.002	<0.002		
12/29/2015				<0.002	0.00082 (J)
1/13/2016	<0.002				
1/14/2016		<0.002	<0.002	<0.002	0.0064 (o)
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	<0.002	<0.002		
6/15/2016	<0.002				
6/16/2016		0.00068 (J)	0.00024 (J)	0.00032 (J)	0.00042 (J)
1/11/2017	<0.002	<0.002			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			<0.002		
7/19/2017	<0.002				
7/25/2017		<0.002	<0.002	<0.002	<0.002
1/11/2018	<0.002				<0.002
1/12/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002		<0.002	<0.002	
1/30/2019		0.0021 (J)			<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	0.0012 (J)	0.0011 (J)	0.00085 (J)	0.0012 (J)	0.00066 (J)
4/1/2020	<0.002	<0.002	<0.002	<0.002	<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0023	<0.002	<0.002
9/11/2004		<0.002	<0.002	<0.002
9/26/2004		<0.002	<0.002	0.0021
10/13/2004		<0.002	<0.002	<0.002
7/11/2005		<0.002	<0.002	<0.002
12/7/2005		<0.002	<0.002	<0.002
6/22/2006		<0.002	<0.002	<0.002
11/28/2006		<0.002	<0.002	<0.002
7/6/2007		<0.002	<0.002	<0.002
12/13/2007		<0.002	<0.002	<0.002
6/20/2008		<0.002	<0.002	<0.002
12/7/2008		<0.002	<0.002	<0.002
7/9/2009		<0.002	<0.002	<0.002
12/29/2009			<0.002	<0.002
12/30/2009		<0.002		
6/22/2010		<0.002	<0.002	<0.002
1/4/2011		<0.002	<0.002	
1/5/2011				<0.002
7/9/2011			<0.002	<0.002
7/10/2011		<0.002		
1/21/2012		<0.002	<0.002	<0.002
7/11/2012		<0.002	<0.002	<0.002
1/19/2013			<0.002	<0.002
1/20/2013		<0.002		
7/18/2013			<0.002	<0.002
7/19/2013		<0.002		
1/15/2014			<0.002	<0.002
1/16/2014		<0.002		
7/10/2014		<0.002	<0.002	<0.002
1/15/2015			<0.002	
1/16/2015		<0.002		<0.002
6/19/2015			<0.002	
6/20/2015		<0.002		<0.002
1/14/2016		<0.002	0.00084 (J)	<0.002
6/14/2016		<0.002	0.0021 (J)	
6/15/2016				<0.002
6/16/2016	0.0011 (J)			
1/10/2017		<0.002		
1/11/2017			<0.002	
1/13/2017				<0.002
1/17/2017	<0.002			
7/18/2017		<0.002	<0.002	
7/24/2017				<0.002
7/25/2017	<0.002			
1/10/2018		<0.002	<0.002	
1/12/2018	<0.002			<0.002
7/11/2018		<0.002	<0.002	
7/12/2018	<0.002			<0.002
1/29/2019		<0.002	<0.002	
1/30/2019	<0.002			0.002 (J)
3/26/2019		0.0021	<0.002	
3/27/2019	<0.002			<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.0016 (J)	<0.002	
9/11/2019	0.00092 (J)			0.00092 (J)
3/31/2020		0.0051	<0.002	
4/1/2020	<0.002			<0.002

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				0.03 (J)	0.022 (J)
4/20/2016	0.018 (J)	0.021 (J)	0.022 (J)		
6/14/2016	<0.1	<0.1		0.02 (J)	<0.1
6/15/2016			<0.1		
8/9/2016	<0.1	<0.1	<0.1	<0.1	<0.1
9/26/2016				<0.1	
9/27/2016	<0.1	<0.1	<0.1		<0.1
11/14/2016					<0.1
11/15/2016	<0.1	<0.1	<0.1	<0.1	
1/10/2017				<0.1	<0.1
1/11/2017		<0.1	<0.1		
1/12/2017	<0.1				
2/28/2017	<0.1	<0.1		<0.1	<0.1
3/1/2017			<0.1		
4/19/2017				<0.1	<0.1
4/20/2017	<0.1	<0.1	<0.1		
10/10/2017				<0.1	
10/11/2017	<0.1	<0.1	<0.1		<0.1
1/10/2018	<0.1			<0.1	<0.1
1/11/2018		<0.1	<0.1		
7/11/2018	<0.1	<0.1	<0.1	<0.1	<0.1
1/29/2019	<0.1	<0.1	<0.1	<0.1	<0.1
3/26/2019	<0.1	<0.1	<0.1		
3/27/2019				<0.1	<0.1
9/10/2019	0.034 (J)	0.032 (J)	0.035 (J)		
9/11/2019				0.037 (J)	0.033 (J)
3/31/2020	0.046 (J)				
4/1/2020		0.048 (J)	<0.1	<0.1	<0.1

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	0.04 (J)		0.383	0.026 (J)	
4/21/2016		0.217 (J)			0.019 (J)
6/15/2016	<0.1		0.28 (J)	<0.1	<0.1
6/16/2016		0.13 (J)			
8/9/2016					<0.1
8/10/2016	<0.1	0.21	0.42	<0.1	
9/27/2016	<0.1	0.17 (J)	0.39	<0.1	<0.1
11/15/2016	<0.1	0.22	0.43	<0.1	<0.1
1/11/2017					<0.1
1/12/2017	<0.1	0.12 (J)	0.41	<0.1	
2/28/2017					<0.1
3/1/2017	<0.1	<0.1	<0.1	<0.1	
4/20/2017	<0.1			<0.1	<0.1
4/24/2017		0.18 (J)	0.37		
10/11/2017	<0.1		0.39		<0.1
10/12/2017		0.18 (J)		<0.1	
12/13/2017			0.48		
1/11/2018	<0.1	0.15 (J)	0.31	<0.1	<0.1
7/11/2018					<0.1
7/12/2018	<0.1	0.13 (J)	0.25	<0.1	
1/29/2019					<0.1
1/30/2019	<0.1	0.23 (J)	0.35	<0.1	
3/26/2019					<0.1
3/27/2019	0.029	0.12	0.24	<0.1	
9/11/2019	0.036 (J)	0.1	0.26	0.036 (J)	0.032 (J)
4/1/2020	<0.1	0.26		<0.1	0.05 (J)
4/2/2020			0.26		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		0.706	0.122 (J)		
4/20/2016	0.147 (J)				
4/21/2016				0.06 (J)	0.022 (J)
6/15/2016	0.1 (J)				
6/16/2016		0.56	0.08 (J)	<0.1	<0.1
8/9/2016	0.16 (J)				
8/10/2016			0.14 (J)	<0.1	<0.1
8/11/2016		0.74			
9/27/2016	0.14 (J)			<0.1	<0.1
9/28/2016		0.7	0.11 (J)		
11/15/2016	0.16 (J)		0.13 (J)	<0.1	<0.1
11/16/2016		0.71			
1/11/2017	0.16 (J)	0.51			
1/12/2017					<0.1
1/13/2017				0.083 (J)	
1/16/2017			0.11 (J)		
3/1/2017	<0.1	0.61	<0.1	<0.1	<0.1
4/20/2017	0.12 (J)				
4/24/2017					<0.1
4/25/2017		0.65	0.087 (J)	<0.1	
10/11/2017	0.11 (J)				
10/12/2017		0.6	0.087 (J)	<0.1	<0.1
12/13/2017		0.61			
1/11/2018	0.12 (J)				<0.1
1/12/2018		0.55	0.083 (J)	<0.1	
7/11/2018	0.13 (J)	0.59	0.091 (J)	<0.1	<0.1
1/29/2019	0.13 (J)		0.074 (J)	0.031 (J)	
1/30/2019		0.65			<0.1
3/27/2019	0.1	0.49	0.072	0.034	<0.1
9/11/2019	0.099 (J)	0.47	0.08 (J)	0.045 (J)	0.032 (J)
4/1/2020	0.15	0.59	0.11	0.082 (J)	0.04 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				0.02 (J)
4/20/2016		0.028 (J)	0.032 (J)	
6/14/2016		<0.1	<0.1	
6/15/2016				<0.1
6/16/2016	0.04 (J)			
8/9/2016			<0.1	
8/10/2016	<0.1			<0.1
8/11/2016		<0.1		
9/27/2016		<0.1	<0.1	<0.1
9/28/2016	0.097 (J)			
11/14/2016		<0.1		
11/15/2016			<0.1	<0.1
11/16/2016	0.092 (J)			
1/10/2017		<0.1		
1/11/2017			<0.1	
1/13/2017				<0.1
1/17/2017	<0.1			
2/28/2017		<0.1	<0.1	
3/1/2017				<0.1
3/2/2017	<0.1			
4/20/2017		<0.1	<0.1	
4/24/2017				<0.1
4/25/2017	<0.1			
7/13/2017	<0.1			
10/10/2017		<0.1		
10/11/2017			<0.1	
10/12/2017	<0.1			<0.1
1/10/2018		<0.1	<0.1	
1/12/2018	<0.1			<0.1
7/11/2018		<0.1	<0.1	
7/12/2018	<0.1			<0.1
1/29/2019		<0.1	<0.1	
1/30/2019	<0.1			<0.1
3/26/2019		<0.1	0.028	
3/27/2019	0.027			<0.1
9/10/2019		0.044 (J)	0.037 (J)	
9/11/2019	0.041 (J)			0.034 (J)
3/31/2020		0.043 (J)	0.061 (J)	
4/1/2020	0.05 (J)			0.051 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.014 (o)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.001		
4/19/2017				<0.001	<0.001
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	<0.001
9/10/2019	0.00058 (J)	0.00013 (J)	0.00013 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		<0.001	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		<0.001	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		0.0002 (J)	<0.001	<0.001
6/16/2016		<0.001			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001	<0.001	
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/11/2017					<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.001	<0.001	<0.001	<0.001	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	
4/20/2017	<0.001			<0.001	<0.001
4/24/2017		<0.001	0.00037 (J)		
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001		<0.001	<0.001
4/2/2020			0.00025 (J)		

Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
4/19/2016		<0.001	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	<0.001				
6/16/2016		0.00015 (J)	<0.001	<0.001	<0.001
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		<0.001			
9/27/2016	<0.001			<0.001	0.00079 (J)
9/28/2016		<0.001	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		<0.001			
1/11/2017	<0.001	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
3/1/2017	<0.001	<0.001	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		<0.001	<0.001	<0.001	
7/19/2017	<0.001				
7/25/2017		<0.001	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.00067 (J)			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00017 (J)	<0.001	0.00024 (J)	0.00021 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	0.0056 (o)
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	<0.001
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		<0.001		<0.001
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
4/19/2016				<0.001
4/20/2016		<0.001	<0.001	
6/14/2016		<0.001	0.00019 (J)	
6/15/2016				<0.001
6/16/2016	<0.001			
8/9/2016			<0.001	
8/10/2016	<0.001			<0.001
8/11/2016		<0.001		
9/27/2016		<0.001	<0.001	<0.001
9/28/2016	<0.001			
11/14/2016		<0.001		
11/15/2016			<0.001	<0.001
11/16/2016	<0.001			
1/10/2017		<0.001		
1/11/2017			<0.001	
1/13/2017				<0.001
1/17/2017	<0.001			
1/19/2017			0.001 (J)	

Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.001	
2/28/2017		<0.001	<0.001	
3/1/2017				<0.001
3/2/2017	<0.001			
4/20/2017		<0.001	0.00041 (J)	
4/24/2017				<0.001
4/25/2017	<0.001			
7/13/2017	<0.001			
7/18/2017		<0.001	<0.001	
7/24/2017				<0.001
7/25/2017	<0.001			
1/10/2018		<0.001	<0.001	
1/12/2018	<0.001			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	<0.001			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	0.00013 (J)			<0.001
3/26/2019		<0.001	<0.001	
3/27/2019	<0.001			<0.001
9/10/2019		0.00051 (J)	0.00074 (J)	
9/11/2019	0.00018 (J)			<0.001
3/31/2020		0.00024 (J)	<0.001	
4/1/2020	<0.001			<0.001

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	0.03 (O)
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				0.0043	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.025 (O)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				0.0016 (J)	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	0.00052 (J)		0.0006 (J)	<0.001
6/15/2016			<0.001		
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			0.0026	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	0.00033 (J)	0.0004 (J)	0.0004 (J)	0.00063 (J)	0.00034 (J)
3/26/2019	<0.001	<0.001	<0.001		

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.001	<0.001
9/10/2019	0.0004 (J)	0.00056 (J)	0.00036 (J)		
9/11/2019				0.00091 (J)	0.00045 (J)
3/31/2020	<0.001				
4/1/2020		0.00043 (J)	<0.001	0.00077 (J)	<0.001

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	0.0049	0.0057	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	0.0013 (J)		<0.001	0.0043	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	0.0013 (J)		0.0029	0.0026	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	0.0014 (J)		
6/19/2015				<0.001	
6/20/2015	0.0016 (J)	0.0013 (J)	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
6/15/2016	0.00088 (J)		0.00085 (J)	0.00068 (J)	<0.001
6/16/2016		<0.001			
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					0.00046 (J)
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	0.0013	<0.001	0.00042 (J)	0.001	0.00042 (J)
4/1/2020	0.00099 (J)	<0.001		0.0008 (J)	<0.001
4/2/2020			0.0009 (J)		

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0036	<0.001	0.0022 (J)		
12/9/2015				0.0042	<0.001
12/14/2015	0.0035	0.0019 (J)		0.0067	<0.001
12/15/2015			0.0019 (J)		
12/28/2015	0.0032	0.0018 (J)	0.0017 (J)		
12/29/2015				0.0067	<0.001
1/13/2016	0.0029				
1/14/2016		0.0017 (J)	0.0029	0.0039	<0.001
1/25/2016				0.0049	<0.001
1/26/2016	0.0027	0.0019 (J)	0.0014 (J)		
6/15/2016	0.0018 (J)				
6/16/2016		0.0014 (J)	0.0013 (J)	0.003 (J)	0.0012 (J)
1/11/2017	0.002 (J)	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			0.0018 (J)		
7/19/2017	0.002 (J)				
7/25/2017		<0.001	0.002 (J)	<0.001	<0.001
1/11/2018	0.0019 (J)				<0.001
1/12/2018		<0.001	0.002 (J)	<0.001	
7/11/2018	<0.001	<0.001	0.0018 (J)	<0.001	<0.001
1/29/2019	0.0016 (J)		0.0017 (J)	0.00093 (J)	
1/30/2019		<0.001			<0.001
3/27/2019	0.0018	<0.001	<0.001	<0.001	<0.001
9/11/2019	0.0018	0.0012	0.0018	0.0014	0.00097 (J)
4/1/2020	0.0016	0.00095	0.0014	0.001	0.00067 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	0.003
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		0.0048		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		0.0026	<0.001	<0.001
7/11/2012		0.0072	0.0031	0.0033
1/19/2013			<0.001	0.0026
1/20/2013		0.0025		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		0.0031		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		0.0024 (J)		<0.001
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
6/14/2016		0.0013 (J)	0.00054 (J)	
6/15/2016				<0.001
6/16/2016	0.0009 (J)			
1/10/2017		<0.001		
1/11/2017			<0.001	
1/13/2017				<0.001
1/17/2017	<0.001			
7/18/2017		<0.001	<0.001	
7/24/2017				<0.001
7/25/2017	0.002 (J)			
1/10/2018		<0.001	<0.001	
1/12/2018	0.0023 (J)			<0.001
7/11/2018		0.003	<0.001	
7/12/2018	0.0026			<0.001
1/29/2019		0.0021 (J)	<0.001	
1/30/2019	<0.001			<0.001
3/26/2019		0.0021	<0.001	
3/27/2019	0.0018			<0.001

Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.002	0.00043 (J)	
9/11/2019	0.0023			0.00065 (J)
3/31/2020		0.0028	<0.001	
4/1/2020	0.0013			<0.001

Time Series

Constituent: pH (S.U.) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
6/19/2015					5.23
6/20/2015				4.69	
12/14/2015			5.26		
12/15/2015	5.13	5.24			
4/19/2016				4.99	4.92
4/20/2016	5.16	5.41	5.16		
6/14/2016				4.98	4.89
6/15/2016	5.35	5.74	5.04		
8/9/2016	4.89	5.41	5.07	4.72	4.92
9/26/2016				4.74	
9/27/2016	5.02	5.42	5.11		5.25
11/14/2016					4.96
11/15/2016	5.04	5.33	5.11	4.8	
1/10/2017				4.59	4.21
1/11/2017		5.32	5.07		
1/12/2017	5.19				
2/28/2017	4.86	5.32		4.91	4.95
3/1/2017			5.14		
4/19/2017				4.98	5.12
4/20/2017	5.01	5.31	5.05		
7/17/2017				4.61	
7/18/2017	4.88				4.89
7/19/2017		5.19	4.95		
10/17/2017	4.93	5.27	5.17	4.93	4.96
1/10/2018	4.9			4.78	4.93
1/11/2018		5.19	4.97		
7/11/2018	4.99 (D)	5.25 (D)	5.07	4.75 (D)	4.87 (D)
1/29/2019	4.82	5.25	4.83	4.91	4.98
3/26/2019	5.07	5.29	4.95		
3/27/2019				4.69	4.8
9/10/2019	5	5.18	5.12		
9/11/2019				4.77	5.03
3/31/2020	5.1				
4/1/2020		5.26	4.95	4.77	4.92

Time Series

Constituent: pH (S.U.) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
6/19/2015				5.05	
6/20/2015	4.87	6.28	6.13		
12/15/2015					5.2
4/20/2016	5.43		6.28	5.17	
4/21/2016		6.21			5.18
6/15/2016	5.28		6.55	5.12	5.47
6/16/2016		6.27			
8/9/2016					5.01
8/10/2016	5.15	6.12	6.22	5.12	
9/27/2016	5.19	6.29	6.33	5.19	5.22
11/15/2016	5.2	6.12	6.28	5.14	5.07
1/11/2017					5
1/12/2017	5.27	6.23	6.26	5.13	
2/28/2017					5.1
3/1/2017	5.31	6.15	6.41	5.05	
4/20/2017	5.29			5.15	5.12
4/24/2017		6.8	6.26		
7/19/2017	5.03				4.84
7/20/2017				5.04	
7/24/2017		6.19	6.27		
10/17/2017	5.25	6.11	6.35	5.03	4.95
1/11/2018	5.02	6.32	6.15	5.13	5.01
7/11/2018					5.01
7/12/2018	5.04 (D)	6.7 (D)	6.63 (D)	5.09 (D)	
1/29/2019					5.18
1/30/2019	5.21	6.2	6.09	5.01	
3/26/2019					5.04
3/27/2019	5.15	6.54	6.32	4.93	
9/11/2019	4.8	6.63	6.37	5.04	5.28
4/1/2020	5	6.52		5.05	5.35
4/2/2020			6.38		

Time Series

Constituent: pH (S.U.) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/14/2015	5.19	7.1		5.24	5.84
12/15/2015			5.98		
4/19/2016		6.87	5.98		
4/20/2016	5.26				
4/21/2016				4.88	5.43
6/15/2016	5.12				
6/16/2016		6.84	5.85	4.85	5.23
8/9/2016	5.09				
8/10/2016			5.79	4.84	5.11
8/11/2016		6.42			
9/27/2016	5.32			5.32	5.06
9/28/2016		6.57	5.9		
11/15/2016	5.25		5.66	4.97	5.01
11/16/2016		6.51			
1/11/2017	5.23	6.43			
1/12/2017					4.99
1/13/2017				4.97	
1/16/2017			5.65		
3/1/2017	5.25	6.48	5.62		5
4/20/2017	5.36				
4/24/2017					5.8
4/25/2017		6.58	5.59	4.91	
7/19/2017	5.12				
7/25/2017		6.37	5.55	4.89	4.92
10/17/2017	5.23	6.53	5.68	4.97	4.89
1/11/2018	5.28				4.98
1/12/2018		6.47		4.97	
7/11/2018	5.23 (D)	6.18 (D)	5.6 (D)	4.89 (D)	4.96 (D)
1/29/2019	5.35		5.58	4.94	
1/30/2019		5.93			4.65
3/27/2019	5.25	6.11	5.59	4.94	4.96
9/11/2019	5.16	6.3	5.58	4.96	4.99
4/1/2020	5.3	6.15	5.67	5.03	5.04

Time Series

Constituent: pH (S.U.) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
6/19/2015			5.95	
6/20/2015		4.92		4.7
4/19/2016				4.98
4/20/2016		4.9	5.85	
6/14/2016		4.9	5.53	
6/15/2016				5.2
8/9/2016			5.44	
8/10/2016	6.34			4.78
8/11/2016		5.37		
9/27/2016		5.89	5.59	4.91
9/28/2016	6.29			
11/14/2016		5.94		
11/15/2016			5.58	4.81
11/16/2016	6.18			
1/10/2017		5.44		
1/11/2017			5.56	
1/13/2017				5.28
1/17/2017	5.68			
2/28/2017		5.49	5.53	
3/1/2017				4.81
3/2/2017	5.75			
4/20/2017		5.51	5.63	
4/24/2017				4.99
4/25/2017	5.65			
7/13/2017	5.65			
7/18/2017		5.26	5.51	
7/24/2017				4.82
7/25/2017	5.24			
10/17/2017	5.37	5.28	5.62	4.85
1/10/2018		5.05	5.59	
1/12/2018	5.35			4.83
7/11/2018		4.53	5.49	
7/12/2018	5.21 (D)			4.8 (D)
1/29/2019		4.66	5.39	
1/30/2019	5.14			4.88
3/26/2019		4.72	5.45	
3/27/2019	5.3			4.75
9/10/2019		4.72	5.71	
9/11/2019	5.24			4.8
3/31/2020		5.06	5.45	
4/1/2020	5.23			4.93

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.005	<0.005
9/11/2004				<0.005	<0.005
9/26/2004				<0.005	<0.005
10/13/2004				<0.005	<0.005
7/11/2005				<0.005	<0.005
12/7/2005				<0.005	<0.005
6/22/2006				<0.005	<0.005
11/28/2006				<0.005	<0.005
7/6/2007				<0.005	<0.005
12/13/2007				<0.005	<0.005
6/20/2008				<0.005	<0.005
12/7/2008				<0.005	<0.005
7/9/2009				<0.005	<0.005
12/28/2009				<0.005	<0.005
6/22/2010				<0.005	<0.005
1/4/2011				<0.005	
1/5/2011					<0.005
7/9/2011				<0.005	<0.005
1/20/2012					<0.005
1/21/2012				<0.005	
7/11/2012				<0.005	<0.005
1/19/2013					<0.005
1/20/2013				<0.005	
7/18/2013					<0.005
7/19/2013				<0.005	
1/15/2014				<0.005	<0.005
7/11/2014				<0.005	<0.005
1/15/2015					<0.005
1/16/2015				<0.005	
6/19/2015					<0.005
6/20/2015				<0.005	
12/7/2015	<0.005	<0.005	<0.005		
12/14/2015			<0.005		
12/15/2015	<0.005	<0.005			
12/28/2015			<0.005		
12/29/2015	<0.005	<0.005			
1/13/2016	<0.005	<0.005	<0.005		
1/16/2016				<0.005	<0.005
1/25/2016	<0.005	<0.005	<0.005		
4/19/2016				<0.005	<0.005
4/20/2016	<0.005	<0.005	<0.005		
6/14/2016	<0.005	<0.005		<0.005	<0.005
6/15/2016			<0.005		
8/9/2016	<0.005	<0.005	<0.005	<0.005	<0.005
9/26/2016				<0.005	
9/27/2016	<0.005	<0.005	<0.005		0.00045 (J)
11/14/2016					<0.005
11/15/2016	<0.005	<0.005	<0.005	<0.005	
1/10/2017				<0.005	<0.005
1/11/2017		<0.005	<0.005		
1/12/2017	<0.005				
2/28/2017	<0.005	<0.005		<0.005	0.0027

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.005		
4/19/2017				0.00065 (J)	0.002
4/20/2017	<0.005	<0.005	<0.005		
7/17/2017				0.00047 (J)	
7/18/2017	<0.005				0.0017
7/19/2017		<0.005	0.00025 (J)		
1/10/2018	0.00025 (J)			0.00052 (J)	0.00079 (J)
1/11/2018		<0.005	<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005		
3/27/2019				<0.005	<0.005
9/10/2019	<0.005	<0.005	<0.005		
9/11/2019				<0.005	<0.005
3/31/2020	<0.005				
4/1/2020		<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.005	<0.005	<0.005	<0.005	
9/11/2004	<0.005	<0.005	<0.005	<0.005	
9/26/2004	<0.005	<0.005	<0.005	<0.005	
10/13/2004		<0.005	<0.005	<0.005	
7/11/2005	<0.005	<0.005	<0.005	<0.005	
12/7/2005	<0.005	<0.005	<0.005	<0.005	
6/22/2006	<0.005	<0.005	<0.005	<0.005	
11/28/2006	<0.005	<0.005	<0.005	<0.005	
7/6/2007	<0.005	<0.005	<0.005	<0.005	
12/13/2007	<0.005	<0.005	<0.005	<0.005	
6/20/2008	<0.005	<0.005	<0.005	<0.005	
12/7/2008	<0.005	<0.005	<0.005	<0.005	
7/9/2009	<0.005				
7/10/2009		<0.005	<0.005	<0.005	
12/28/2009	<0.005			<0.005	
12/29/2009		<0.005	<0.005		
6/22/2010	<0.005	<0.005	<0.005	<0.005	
1/4/2011	<0.005	<0.005		<0.005	
1/5/2011			<0.005		
7/9/2011	<0.005		<0.005	<0.005	
7/10/2011		<0.005			
1/20/2012				<0.005	
1/21/2012	<0.005	<0.005	<0.005		
7/11/2012	<0.005	<0.005	<0.005	<0.005	
1/19/2013			<0.005	<0.005	
1/20/2013	<0.005	<0.005			
7/18/2013				<0.005	
7/19/2013	<0.005	<0.005	<0.005		
1/15/2014	<0.005		<0.005	<0.005	
1/16/2014		<0.005			
7/10/2014		<0.005			
7/11/2014	<0.005		<0.005	<0.005	
1/15/2015				<0.005	
1/16/2015	<0.005	<0.005	<0.005		
6/19/2015				<0.005	
6/20/2015	<0.005	<0.005	<0.005		
12/7/2015					<0.005
12/15/2015					<0.005
12/28/2015					<0.005
1/13/2016					<0.005
1/14/2016			<0.005		
1/16/2016	<0.005	<0.005		<0.005	
1/25/2016					<0.005
4/20/2016	<0.005		<0.005	<0.005	
4/21/2016		<0.005			<0.005
6/15/2016	<0.005		0.00052 (J)	<0.005	<0.005
6/16/2016		<0.005			
8/9/2016					<0.005
8/10/2016	<0.005	0.00026 (J)	0.00053 (J)	<0.005	
9/27/2016	<0.005	0.00024 (J)	0.00047 (J)	<0.005	<0.005
11/15/2016	<0.005	<0.005	<0.005	<0.005	<0.005
1/11/2017					<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.00035 (J)	<0.005	0.00025 (J)	<0.005	
1/23/2017	<0.005				
2/28/2017					<0.005
3/1/2017	<0.005	<0.005	<0.005	<0.005	
4/20/2017	<0.005			<0.005	<0.005
4/24/2017		<0.005	<0.005		
7/19/2017	0.00026 (J)				0.00071 (J)
7/20/2017				<0.005	
7/24/2017		<0.005	0.00032 (J)		
1/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018					<0.005
7/12/2018	<0.005	<0.005	0.00025 (J)	<0.005	
1/29/2019					<0.005
1/30/2019	<0.005	<0.005	<0.005	<0.005	
3/26/2019					<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2020	<0.005	<0.005		<0.005	<0.005
4/2/2020			<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.005	<0.005	<0.005		
12/9/2015				<0.005	<0.005
12/14/2015	<0.005	<0.005		<0.005	<0.005
12/15/2015			<0.005		
12/28/2015	<0.005	<0.005	<0.005		
12/29/2015				<0.005	<0.005
1/13/2016	<0.005				
1/14/2016		<0.005	<0.005	<0.005	<0.005
1/25/2016				<0.005	<0.005
1/26/2016	<0.005	<0.005	<0.005		
4/19/2016		<0.005	<0.005		
4/20/2016	<0.005				
4/21/2016				<0.005	<0.005
6/15/2016	<0.005				
6/16/2016		<0.005	<0.005	<0.005	<0.005
8/9/2016	<0.005				
8/10/2016			<0.005	<0.005	<0.005
8/11/2016		<0.005			
9/27/2016	<0.005			<0.005	0.00043 (J)
9/28/2016		<0.005	<0.005		
11/15/2016	<0.005		<0.005	<0.005	<0.005
11/16/2016		<0.005			
1/11/2017	<0.005	<0.005			
1/12/2017					<0.005
1/13/2017				<0.005	
1/16/2017			<0.005		
3/1/2017	<0.005	<0.005	<0.005	<0.005	<0.005
4/20/2017	<0.005				
4/24/2017					<0.005
4/25/2017		<0.005	0.00052 (J)	0.0021	
7/19/2017	<0.005				
7/25/2017		<0.005	<0.005	<0.005	<0.005
1/11/2018	<0.005				<0.005
1/12/2018		<0.005	<0.005	<0.005	
7/11/2018	<0.005	0.00044 (J)	<0.005	<0.005	<0.005
1/29/2019	<0.005		<0.005	<0.005	
1/30/2019		<0.005			<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2019	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2020	<0.005	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.005	<0.005	<0.005
9/11/2004		<0.005	<0.005	<0.005
9/26/2004		<0.005	<0.005	<0.005
10/13/2004		<0.005	<0.005	<0.005
7/11/2005		<0.005	<0.005	0.0058
12/7/2005		<0.005	<0.005	<0.005
6/22/2006		<0.005	<0.005	<0.005
11/28/2006		<0.005	<0.005	<0.005
7/6/2007		<0.005	<0.005	<0.005
12/13/2007		<0.005	<0.005	<0.005
6/20/2008		<0.005	<0.005	<0.005
12/7/2008		<0.005	<0.005	<0.005
7/9/2009		<0.005	<0.005	<0.005
12/29/2009			<0.005	<0.005
12/30/2009		<0.005		
6/22/2010		<0.005	<0.005	<0.005
1/4/2011		<0.005	<0.005	
1/5/2011				<0.005
7/9/2011			<0.005	<0.005
7/10/2011		<0.005		
1/21/2012		<0.005	<0.005	<0.005
7/11/2012		<0.005	<0.005	<0.005
1/19/2013			<0.005	<0.005
1/20/2013		<0.005		
7/18/2013			<0.005	<0.005
7/19/2013		<0.005		
1/15/2014			<0.005	<0.005
1/16/2014		<0.005		
7/10/2014		<0.005	<0.005	<0.005
1/15/2015			<0.005	
1/16/2015		<0.005		<0.005
6/19/2015			<0.005	
6/20/2015		<0.005		<0.005
1/14/2016		<0.005	<0.005	<0.005
4/19/2016				<0.005
4/20/2016		<0.005	<0.005	
6/14/2016		<0.005	<0.005	
6/15/2016				<0.005
6/16/2016	<0.005			
8/9/2016			<0.005	
8/10/2016	<0.005			<0.005
8/11/2016		<0.005		
9/27/2016		<0.005	<0.005	<0.005
9/28/2016	<0.005			
11/14/2016		<0.005		
11/15/2016			<0.005	<0.005
11/16/2016	<0.005			
1/10/2017		<0.005		
1/11/2017			<0.005	
1/13/2017				<0.005
1/17/2017	<0.005			
1/19/2017			0.0006 (J)	

Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.025 (o)	
2/28/2017		0.0024	<0.005	
3/1/2017				<0.005
3/2/2017	<0.005			
4/20/2017		<0.005	<0.005	
4/24/2017				<0.005
4/25/2017	<0.005			
7/13/2017	<0.005			
7/18/2017		0.00026 (J)	<0.005	
7/24/2017				<0.005
7/25/2017	<0.005			
1/10/2018		0.00069 (J)	<0.005	
1/12/2018	<0.005			<0.005
7/11/2018		<0.005	<0.005	
7/12/2018	<0.005			<0.005
1/29/2019		<0.005	<0.005	
1/30/2019	<0.005			<0.005
3/26/2019		<0.005	<0.005	
3/27/2019	<0.005			<0.005
9/10/2019		<0.005	<0.005	
9/11/2019	<0.005			<0.005
3/31/2020		<0.005	<0.005	
4/1/2020	<0.005			<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					<0.001
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		

Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.001	<0.001
9/10/2019	<0.001	<0.001	<0.001		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		0.00061 (J)	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
6/15/2016	<0.001		<0.001	<0.001	<0.001
6/16/2016		<0.001			
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001		<0.001	<0.001
4/2/2020			<0.001		

Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
6/15/2016	<0.001				
6/16/2016		<0.001	<0.001	<0.001	<0.001
1/11/2017	<0.001	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
7/19/2017	<0.001				
7/25/2017		<0.001	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		<0.001			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	<0.001
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		<0.001		<0.001
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
6/14/2016		<0.001	<0.001	
6/15/2016				<0.001
6/16/2016	<0.001			
1/10/2017		<0.001		
1/11/2017			<0.001	
1/13/2017				<0.001
1/17/2017	<0.001			
7/18/2017		<0.001	<0.001	
7/24/2017				<0.001
7/25/2017	<0.001			
1/10/2018		<0.001	<0.001	
1/12/2018	<0.001			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	<0.001			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	<0.001			<0.001
3/26/2019		<0.001	<0.001	
3/27/2019	<0.001			<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		<0.001	<0.001	
9/11/2019	<0.001			<0.001
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				1.27	1.03
4/20/2016	0.496 (J)	5.85	0.53 (J)		
6/14/2016	0.62 (J)	4.6		1.7	0.88 (J)
6/15/2016			0.67 (J)		
8/9/2016	<1	2.7	<1	<1	<1
9/26/2016				<1	
9/27/2016	<1	2	<1		0.9 (J)
11/14/2016					<1
11/15/2016	<1	1.5	<1	<1	
1/10/2017				0.83 (J)	1.2
1/11/2017		1.4	<1		
1/12/2017	<1				
2/28/2017	<1	1.1		0.99 (J)	1.1
3/1/2017			<1		
4/19/2017				0.97 (J)	<1
4/20/2017	<1	0.82 (J)	<1		
10/10/2017				<1	
10/11/2017	<1	<1	<1		<1
1/10/2018	<1			<1	1.1
1/11/2018		<1	<1		
7/11/2018	<1	<1	<1	<1	<1
1/29/2019	1.2	0.52 (J)	<1	0.64 (J)	<1
3/26/2019	0.63	0.92	0.9		
3/27/2019				<1	0.7
9/10/2019	0.93 (J)	0.83 (J)	0.83 (J)		
9/11/2019				0.76 (J)	1
3/31/2020	1.4				
4/1/2020		0.67 (J)	0.73 (J)	0.95 (J)	1.1

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	1.79		4.37	0.601 (J)	
4/21/2016		1.93			0.503 (J)
6/15/2016	2		5.7	0.8 (J)	0.62 (J)
6/16/2016		2.3			
8/9/2016					<1
8/10/2016	0.96 (J)	2.9	4.5	<1	
9/27/2016	0.75 (J)	3.2	4.4	<1	<1
11/15/2016	0.97 (J)	3.5	4.4	<1	<1
1/11/2017					<1
1/12/2017	1.7	4.2	4.6	<1	
2/28/2017					<1
3/1/2017	2	3.5	4.5	<1	
4/20/2017	1.3			<1	<1
4/24/2017		3.5	4		
10/11/2017	1.3		4.5		<1
10/12/2017		2.7		<1	
1/11/2018	1.6	2.6	3.5	<1	<1
7/11/2018					<1
7/12/2018	1.1	5	5.9	<1	
1/29/2019					0.43 (J)
1/30/2019	2.1	5	4.3	0.65 (J)	
3/26/2019					0.79
3/27/2019	1.6	4.3	5.4	0.67	
9/11/2019	1.3	5.2	3.8	1	1.2
4/1/2020	2	2.2		0.91 (J)	0.49 (J)
4/2/2020			3.4		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		4.84	2.21		
4/20/2016	2.93				
4/21/2016				5.25	1.99
6/15/2016	1.8				
6/16/2016		9 (O)	2.5	3.9	1.6
8/9/2016	1.6				
8/10/2016			2.7	2.8	1.1
8/11/2016		5			
9/27/2016	1.5			2.6	1.1
9/28/2016		5.1	2.5		
11/15/2016	1.3		2.2	1.9	1
11/16/2016		4.9			
1/11/2017	1.1	5.2			
1/12/2017					1.2
1/13/2017				1.8	
1/16/2017			2.1		
3/1/2017	1.3	4.6	1.9	1.7	1.2
4/20/2017	0.77 (J)				
4/24/2017					0.95 (J)
4/25/2017		4.6	1.6	1.3	
10/11/2017	<1				
10/12/2017		4	1.7	1.1	0.72 (J)
12/13/2017		4			
1/11/2018	<1				<1
1/12/2018		4.5	1.5	0.86 (J)	
7/11/2018	<1	5	1.4	0.9 (J)	<1
1/29/2019	<1		1.4	1.3	
1/30/2019		5.8			0.72 (J)
3/27/2019	<1	4.8	1.6	1.7	0.92
9/11/2019	0.85 (J)	4.5	1.8	0.97 (J)	0.94 (J)
4/1/2020	<1	4.1	2.1	1.6	0.81 (J)

Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				3.84
4/20/2016		7.31	0.367 (J)	
6/14/2016		8.6	0.48 (J)	
6/15/2016				3.8
6/16/2016	9.2 (o)			
8/9/2016			<1	
8/10/2016	3.1			1.6
8/11/2016		3.7		
9/27/2016		4.6	<1	0.91 (J)
9/28/2016	3.1			
11/14/2016		7.4		
11/15/2016			<1	<1
11/16/2016	3.2			
1/10/2017		4.7		
1/11/2017			<1	
1/13/2017				<1
1/17/2017	2.6			
2/28/2017		4.1	<1	
3/1/2017				1.5
3/2/2017	3.3			
4/20/2017		5.9	<1	
4/24/2017				1.2
4/25/2017	2.4			
7/13/2017	2.1			
10/10/2017		7.3		
10/11/2017			<1	
10/12/2017	2.1			2.3
1/10/2018		7.6	<1	
1/12/2018	1.9			<1
7/11/2018		14	<1	
7/12/2018	2			<1
1/29/2019		8.7	<1	
1/30/2019	2.4			0.58 (J)
3/26/2019		11	0.68	
3/27/2019	2.8			1.2
9/10/2019		9.8	0.77 (J)	
9/11/2019	2.5			0.92 (J)
3/31/2020		6.2	0.76 (J)	
4/1/2020	2			4.1

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	<0.001
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	0.0001 (J)	<0.001			
1/13/2016	6E-05 (J)	7.9E-05 (J)	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	<0.001
3/1/2017			<0.001		
4/19/2017				<0.001	<0.001
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	<0.001
9/10/2019	0.00057 (J)	0.00021 (J)	0.0002 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		0.00018 (J)	<0.001	0.00017 (J)	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004	<0.001	<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001	<0.001	<0.001	<0.001	
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013		<0.001		<0.001	
7/19/2013	<0.001		<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			6.1E-05 (J)		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		<0.001	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		<0.001	<0.001	<0.001
6/16/2016		<0.001			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001	<0.001	
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	
4/20/2017	<0.001			<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/24/2017		<0.001	<0.001		
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	<0.001	0.0002 (J)	<0.001	0.00017 (J)	<0.001
4/1/2020	<0.001	0.00031 (J)		<0.001	<0.001
4/2/2020			0.00028 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0001 (J)	0.0001 (J)	<0.001		
12/9/2015				0.0001 (J)	<0.001
12/14/2015	9E-05 (J)	0.0001 (J)		9E-05 (J)	<0.001
12/15/2015			<0.001		
12/28/2015	9E-05 (J)	0.0001 (J)	<0.001		
12/29/2015				0.0001 (J)	<0.001
1/13/2016	0.0001 (J)				
1/14/2016		0.000137 (J)	7.9E-05 (J)	0.000118 (J)	<0.001
1/25/2016				0.000102 (J)	<0.001
1/26/2016	9.5E-05 (J)	0.000142 (J)	<0.001		
4/19/2016		<0.001	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	3.8E-05 (J)				
6/16/2016		0.00013 (J)	<0.001	5.2E-05 (J)	2.7E-05 (J)
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		0.00011 (J)			
9/27/2016	<0.001			<0.001	0.00016 (J)
9/28/2016		0.00012 (J)	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		<0.001			
1/11/2017	<0.001	9.5E-05 (J)			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
3/1/2017	<0.001	0.00011 (J)	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		0.00012 (J)	<0.001	<0.001	
7/19/2017	<0.001				
7/25/2017		0.00011 (J)	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		0.00011 (J)	<0.001	<0.001	
7/11/2018	<0.001	9.5E-05 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.00012 (J)			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00018 (J)	0.00019 (J)	0.00034 (J)	0.00041 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	<0.001
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011		<0.001	<0.001	<0.001
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
4/19/2016				<0.001
4/20/2016		<0.001	<0.001	
6/14/2016		3.6E-05 (J)	<0.001	
6/15/2016				<0.001
6/16/2016	<0.001			
8/9/2016			<0.001	
8/10/2016	<0.001			<0.001
8/11/2016		<0.001		
9/27/2016		<0.001	<0.001	<0.001
9/28/2016	<0.001			
11/14/2016		<0.001		
11/15/2016			<0.001	<0.001
11/16/2016	<0.001			
1/10/2017		<0.001		
1/11/2017			<0.001	
1/13/2017				<0.001
1/17/2017	<0.001			
1/19/2017			<0.001	
1/24/2017			0.00072	
2/28/2017		<0.001	<0.001	
3/1/2017				<0.001
3/2/2017	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/20/2017		<0.001	<0.001	
4/24/2017				<0.001
4/25/2017	<0.001			
7/13/2017	<0.001			
7/18/2017		<0.001	<0.001	
7/24/2017				<0.001
7/25/2017	9E-05 (J)			
1/10/2018		<0.001	<0.001	
1/12/2018	0.00011 (J)			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	0.0001 (J)			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	0.00016 (J)			<0.001
3/26/2019		<0.001	<0.001	
3/27/2019	0.00011			<0.001
9/10/2019		0.00033 (J)	<0.001	
9/11/2019	0.00034 (J)			0.00023 (J)
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<10	<10
4/20/2016	<10	<10	<10		
6/14/2016	47	65		55	46
6/15/2016			67		
8/9/2016	10	24	4 (J)	6	18
9/26/2016				24	
9/27/2016	16	14	18		30
11/14/2016					26
11/15/2016	4 (J)	18	26	38	
1/10/2017				18	18
1/11/2017		6	<10		
1/12/2017	26				
2/28/2017	6	14		12	22
3/1/2017			6		
4/19/2017				14	14
4/20/2017	<10	<10	<10		
10/10/2017				10	
10/11/2017	32	22	24		30
1/10/2018	10			6	28
1/11/2018		36	6		
7/11/2018	28 (J)	20 (J)	24 (J)	16 (J)	12 (J)
1/29/2019	24	22	26	36	27
3/26/2019	<10	17	27		
3/27/2019				36	35
9/10/2019	21	16	13		
9/11/2019				28	15
3/31/2020	17				
4/1/2020		<10	15	32	20

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<10		32	41	
4/21/2016		49			<10
6/15/2016	52		81	27	58
6/16/2016		109			
8/9/2016					6
8/10/2016	10	58	64	6	
9/27/2016	30	100	60	16	16
11/15/2016	32	94	72	22	18
1/11/2017					8
1/12/2017	52	110	84	44	
2/28/2017					4 (J)
3/1/2017	44	110	64	8	
4/20/2017	20			<10	10
4/24/2017		32	46		
10/11/2017	54		88		26
10/12/2017		74		12	
12/12/2017		150			
12/13/2017			68		
1/11/2018	100	150	10	34	56
7/11/2018					<5 (J)
7/12/2018	24 (J)	140 (J)	94 (J)	26 (J)	
1/29/2019					23
1/30/2019	55 (J)	160 (J)	89 (J)	22 (J)	
3/26/2019					17
3/27/2019	26	130	79	24	
9/11/2019	49	130	39	28	15
4/1/2020	39	130		20	21
4/2/2020			63		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		106	34		
4/20/2016	29				
4/21/2016				28	<10
6/15/2016	85				
6/16/2016		150	34	42	30
8/9/2016	<10				
8/10/2016			32	6	<10
8/11/2016		78			
9/27/2016	6			20	14
9/28/2016		43	13		
11/15/2016	24		64	82	58
11/16/2016		140			
1/11/2017	20	64			
1/12/2017					38
1/13/2017				36	
1/16/2017			12		
3/1/2017	38	88	72	40	32
4/20/2017	6				
4/24/2017					16
4/25/2017		92	62	14	
10/11/2017	48				
10/12/2017		54	38	22	12
1/11/2018	18				20
1/12/2018		110	81	56	
7/11/2018	22 (J)	16 (J)	38 (J)	32 (J)	52 (J)
1/29/2019	37		62	27	
1/30/2019		100 (J)			43 (J)
3/27/2019	38	79	61	57	33
9/11/2019	31	45	49	45	23
4/1/2020	27	73	52	26	21

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				49
4/20/2016		<10	<10	
6/14/2016		67	62	
6/15/2016				84
6/16/2016	78			
8/9/2016			6	
8/10/2016	88			44
8/11/2016		<10		
9/27/2016		28	10	30
9/28/2016	35			
11/14/2016		48		
11/15/2016			32	32
11/16/2016	98			
1/10/2017		22		
1/11/2017			12	
1/13/2017				54
1/17/2017	36			
2/28/2017		32	<10	
3/1/2017				34
3/2/2017	38			
4/20/2017		20	34	
4/24/2017				<10
4/25/2017	28			
7/13/2017	20			
10/10/2017		24		
10/11/2017			40	
10/12/2017	24			20
1/10/2018		42	48	
1/12/2018	43			48
7/11/2018		<5 (J)	22 (J)	
7/12/2018	40			42 (J)
1/29/2019		26	34	
1/30/2019	38 (J)			42 (J)
3/26/2019		39	21	
3/27/2019	42			34
9/10/2019		36	13	
9/11/2019	24			43
3/31/2020		27	28	
4/1/2020	25			36

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	0.0031
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	0.005
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.056 (O)
7/9/2011				<0.001	0.0033
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				0.0051	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	0.00055 (J)	0.00033 (J)		0.00044 (J)	0.00027 (J)
6/15/2016			0.00015 (J)		
1/10/2017				0.0014 (J)	0.0015 (J)
1/11/2017		<0.001	0.0015 (J)		
1/12/2017	0.0018 (J)				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	0.0018 (J)	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	0.0019		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				0.0019	0.0047
9/10/2019	0.0027	0.002	0.0019		
9/11/2019				0.0014	0.0012
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	0.0093 (o)	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	0.0025	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	0.0032		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		0.001 (J)	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	0.00098 (J)	0.00089 (J)		
6/19/2015				<0.001	
6/20/2015	0.0017 (J)	0.0019 (J)	0.0017 (J)		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			0.0017 (J)		
1/16/2016	<0.001	0.0008 (J)		<0.001	
1/25/2016					<0.001
6/15/2016	0.00031 (J)		0.0018 (J)	0.0004 (J)	0.0003 (J)
6/16/2016		0.0011 (J)			
1/11/2017					0.0017 (J)
1/12/2017	0.0031	0.0087	0.01	0.0075	
7/19/2017	<0.001				<0.001
7/20/2017				0.0015 (J)	
7/24/2017		0.0027	0.0015 (J)		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	0.0027 (J)	<0.001	<0.001	
3/26/2019					0.0041
3/27/2019	<0.001	0.0065	0.0016	0.0078	
9/11/2019	0.0013	0.0022	0.0025	0.0011	0.0016
4/1/2020	<0.001	0.0012		<0.001	<0.001
4/2/2020			0.0016		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	0.0023 (J)	0.0023 (J)		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	0.0028 (J)		<0.001	<0.001
12/15/2015			0.0016 (J)		
12/28/2015	<0.001	0.0024 (J)	0.0013 (J)		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		0.0022 (J)	0.0014 (J)	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	0.0022 (J)	0.0013 (J)		
6/15/2016	0.00047 (J)				
6/16/2016		0.0041 (J)	0.00092 (J)	0.00054 (J)	0.00048 (J)
1/11/2017	<0.001	0.003			
1/12/2017					0.0058
1/13/2017				0.0074	
1/16/2017			0.0067		
7/19/2017	<0.001				
7/25/2017		0.0055	0.0035	0.0034	0.0029
1/11/2018	<0.001				<0.001
1/12/2018		0.0022 (J)	<0.001	<0.001	
7/11/2018	<0.001	0.0016 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.0042 (J)			<0.001
3/27/2019	0.004	0.0074	<0.001	0.0031	0.0049
9/11/2019	0.0018	0.0037	0.0023	0.0018	0.0015
4/1/2020	<0.001	0.0024	<0.001	<0.001	<0.001

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		0.0033	<0.001	0.0037
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		<0.001		<0.001
6/19/2015			0.0035 (J)	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
6/14/2016		0.00028 (J)	0.00047 (J)	
6/15/2016				0.00019 (J)
6/16/2016	0.00063 (J)			
1/10/2017		0.0014 (J)		
1/11/2017			0.0016 (J)	
1/13/2017				0.0091
1/17/2017	0.0026			
7/18/2017		<0.001	<0.001	
7/24/2017				0.0027
7/25/2017	0.003			
1/10/2018		<0.001	<0.001	
1/12/2018	<0.001			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	<0.001			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	<0.001			<0.001
3/26/2019		0.0027	0.0015	
3/27/2019	0.0055			0.006

Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.0018	0.0018	
9/11/2019	0.0015			0.0015
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				0.014	<0.005
9/11/2004				<0.005	<0.005
9/26/2004				<0.005	<0.005
10/13/2004				<0.005	<0.005
7/11/2005				<0.005	<0.005
12/7/2005				<0.005	<0.005
6/22/2006				0.0041	0.0042
11/28/2006				0.0033	0.0048
7/6/2007				0.0036	0.045
12/13/2007				<0.005	0.005
6/20/2008				0.0045	0.012
12/7/2008				0.0031	0.042
7/9/2009				0.004	0.0038
12/28/2009				0.0027	<0.005
6/22/2010				0.0028	<0.005
1/4/2011				0.0027	
1/5/2011					0.057 (O)
7/9/2011				0.0051	0.0085
1/20/2012					0.0057
1/21/2012				0.004	
7/11/2012				0.0075	<0.005
1/19/2013					<0.005
1/20/2013				0.0034	
7/18/2013					0.0028
7/19/2013				<0.005	
1/15/2014				0.0049	0.0047
7/11/2014				0.0038	0.0025
1/15/2015					0.002 (J)
1/16/2015				0.0032	
6/19/2015					0.0019 (J)
6/20/2015				0.0042	
12/7/2015	0.0034	0.0044	0.0048		
12/14/2015			0.0038		
12/15/2015	0.003	0.0031			
12/28/2015			0.0042		
12/29/2015	0.0028	0.0028			
1/13/2016	0.0025	0.0028	0.0036		
1/16/2016				0.0042	0.0033
1/25/2016	0.0022 (J)	0.0034	0.0033		
6/14/2016	0.0042 (J)	0.0036 (J)		0.0043 (J)	0.0028 (J)
6/15/2016			0.0032 (J)		
1/10/2017				0.0084 (J)	0.0079 (J)
1/11/2017		0.013 (J)	<0.005		
1/12/2017	<0.005				
7/17/2017				<0.005	
7/18/2017	<0.005				<0.005
7/19/2017		<0.005	<0.005		
1/10/2018	<0.005			<0.005	<0.005
1/11/2018		<0.005	<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	<0.005	0.0048 (J)	0.0024 (J)	0.0064 (J)	<0.005
3/26/2019	<0.005	<0.005	<0.005		

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.005	<0.005
9/10/2019	0.0061	0.0069	0.006		
9/11/2019				0.0089	0.012
3/31/2020	<0.005				
4/1/2020		<0.005	<0.005	0.0066	<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	0.012	<0.005	<0.005	<0.005	
9/11/2004	<0.005	0.01	<0.005	0.01	
9/26/2004	<0.005	<0.005	<0.005	<0.005	
10/13/2004		<0.005	<0.005	<0.005	
7/11/2005	<0.005	<0.005	<0.005	<0.005	
12/7/2005	0.015	<0.005	<0.005	<0.005	
6/22/2006	0.0044	0.0034	0.0025	0.0038	
11/28/2006	0.0034	0.019	0.0026	0.007	
7/6/2007	0.0029	<0.005	0.0025	0.0025	
12/13/2007	<0.005	<0.005	<0.005	0.0032	
6/20/2008	0.0035	0.0039	0.0089	0.0044	
12/7/2008	0.0036	<0.005	0.041 (O)	0.0042	
7/9/2009	0.0032				
7/10/2009		<0.005	<0.005	0.0025	
12/28/2009	0.0032			0.0027	
12/29/2009		<0.005	<0.005		
6/22/2010	0.0032	<0.005	<0.005	<0.005	
1/4/2011	<0.005	<0.005		0.0033	
1/5/2011			<0.005		
7/9/2011	0.0076		<0.005	0.0043	
7/10/2011		0.0026			
1/20/2012				0.0038	
1/21/2012	0.0034	<0.005	0.005		
7/11/2012	0.0028	<0.005	0.0025	0.0035	
1/19/2013			<0.005	0.0028	
1/20/2013	0.0032	<0.005			
7/18/2013				0.0028	
7/19/2013	0.0028	<0.005	<0.005		
1/15/2014	0.0047		0.0034	0.0053	
1/16/2014		0.0031			
7/10/2014		0.0012 (J)			
7/11/2014	0.0041		0.0019 (J)	0.0034	
1/15/2015				0.003	
1/16/2015	0.0035	0.0017 (J)	<0.005		
6/19/2015				0.0035	
6/20/2015	0.0043	0.0036	<0.005		
12/7/2015					0.0052
12/15/2015					0.0046
12/28/2015					0.0042
1/13/2016					0.0038
1/14/2016			0.0022 (J)		
1/16/2016	0.002 (J)	<0.005		0.0023 (J)	
1/25/2016					0.0036
6/15/2016	0.0027 (J)		0.0028 (J)	0.0031 (J)	0.0028 (J)
6/16/2016		<0.005			
1/11/2017					0.014 (J)
1/12/2017	<0.005	<0.005	<0.005	<0.005	
7/19/2017	<0.005				<0.005
7/20/2017				<0.005	
7/24/2017		<0.005	<0.005		
1/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018					<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.005	<0.005	<0.005	<0.005	
1/29/2019					0.0059 (J)
1/30/2019	0.0031 (J)	<0.005	<0.005	<0.005	
3/26/2019					<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019	0.0088	0.0058	0.005	0.0066	0.0062
4/1/2020	0.0046 (J)	<0.005		<0.005	<0.005
4/2/2020			0.0049 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0058	0.0017 (J)	0.0035		
12/9/2015				0.0035	0.0016 (J)
12/14/2015	0.006	0.0028		0.0056	0.0015 (J)
12/15/2015			0.0028		
12/28/2015	0.0058	0.0024 (J)	0.0023 (J)		
12/29/2015				0.0084	<0.005
1/13/2016	0.0056				
1/14/2016		0.0036	0.012	0.0048	0.0052
1/25/2016				0.0069	0.0017 (J)
1/26/2016	0.0046	0.0036	0.0034		
6/15/2016	0.0053 (J)				
6/16/2016		0.0052 (J)	0.0026 (J)	0.0048 (J)	0.0097 (J)
1/11/2017	0.018 (J)	0.025			
1/12/2017					<0.005
1/13/2017				<0.005	
1/16/2017			<0.005		
7/19/2017	<0.005				
7/25/2017		<0.005	<0.005	<0.005	<0.005
1/11/2018	<0.005				<0.005
1/12/2018		<0.005	<0.005	<0.005	
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	0.0059 (J)		0.0051 (J)	<0.005	
1/30/2019		0.5			0.0025 (J)
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2019	0.013	0.0058	0.0046 (J)	0.0073	0.0063
4/1/2020	0.005	<0.005	<0.005	<0.005	0.0032 (J)

Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.005	0.017	<0.005
9/11/2004		<0.005	<0.005	<0.005
9/26/2004		<0.005	<0.005	<0.005
10/13/2004		<0.005	<0.005	<0.005
7/11/2005		<0.005	<0.005	<0.005
12/7/2005		0.06 (O)	<0.005	<0.005
6/22/2006		0.0061	0.0033	<0.005
11/28/2006		0.0064	0.0034	0.0034
7/6/2007		0.011	0.0037	0.0049
12/13/2007		0.0061	<0.005	<0.005
6/20/2008		0.009	0.0042	0.006
12/7/2008		0.0071	0.0049	0.0043
7/9/2009		0.0059	0.0032	<0.005
12/29/2009			0.0031	0.0061
12/30/2009		0.0038		
6/22/2010		0.0044	<0.005	<0.005
1/4/2011		0.0038	0.0029	
1/5/2011				<0.005
7/9/2011			0.0038	0.0077
7/10/2011		0.005		
1/21/2012		0.0074	0.0057	0.0032
7/11/2012		0.0047	0.0032	<0.005
1/19/2013			0.0032	<0.005
1/20/2013		<0.005		
7/18/2013			0.0027	<0.005
7/19/2013		0.0032		
1/15/2014			0.0059	0.0036
1/16/2014		0.019		
7/10/2014		0.0038	0.0064	0.0024 (J)
1/15/2015			0.0024 (J)	
1/16/2015		0.0045		0.0055
6/19/2015			0.0057	
6/20/2015		0.0023 (J)		<0.005
1/14/2016		0.0024 (J)	0.0022 (J)	<0.005
6/14/2016		0.0053 (J)	0.0028 (J)	
6/15/2016				0.0037 (J)
6/16/2016	0.0098 (J)			
1/10/2017		<0.005		
1/11/2017			0.013 (J)	
1/13/2017				<0.005
1/17/2017	<0.005			
7/18/2017		<0.005	<0.005	
7/24/2017				<0.005
7/25/2017	0.0069 (J)			
1/10/2018		<0.005	<0.005	
1/12/2018	<0.005			<0.005
7/11/2018		0.0098 (J)	<0.005	
7/12/2018	<0.005			<0.005
1/29/2019		0.0064 (J)	0.0027 (J)	
1/30/2019	0.0049 (J)			0.051
3/26/2019		0.01	<0.005	
3/27/2019	<0.005			<0.005

Time Series

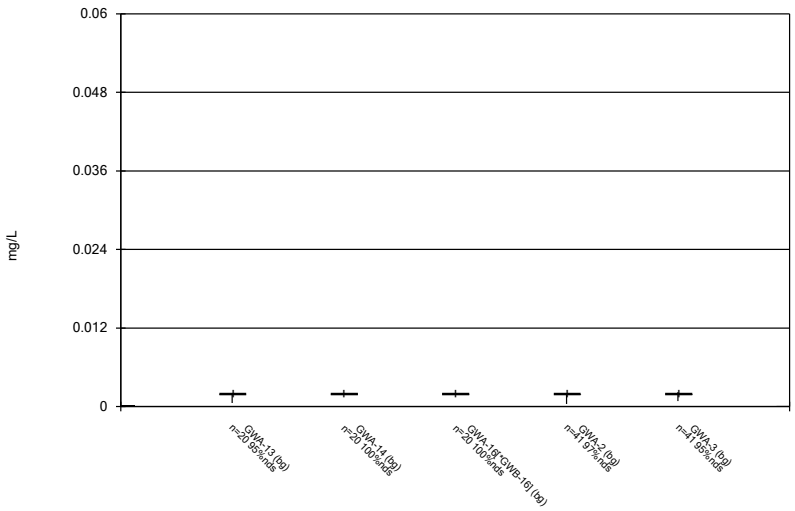
Constituent: Zinc (mg/L) Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.012	0.022	
9/11/2019	0.0086			0.0058
3/31/2020		0.013	<0.005	
4/1/2020	0.0033 (J)			<0.005

FIGURE B.

Box & Whiskers Plot

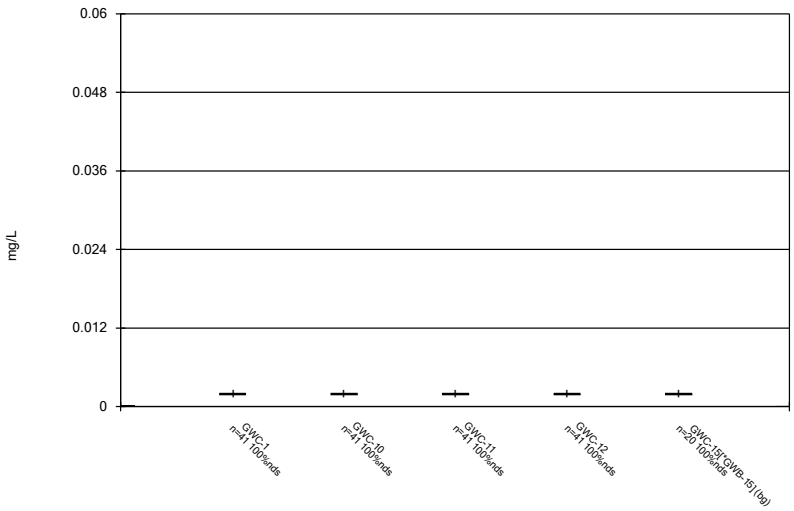


Constituent: Antimony Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

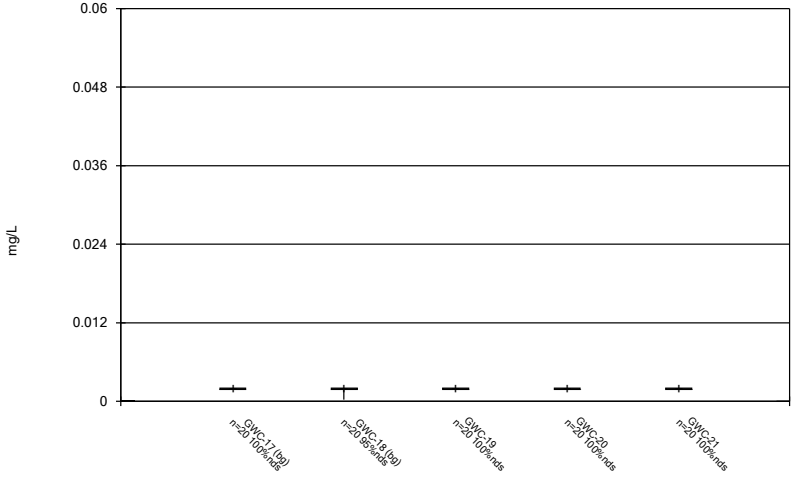


Constituent: Antimony Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

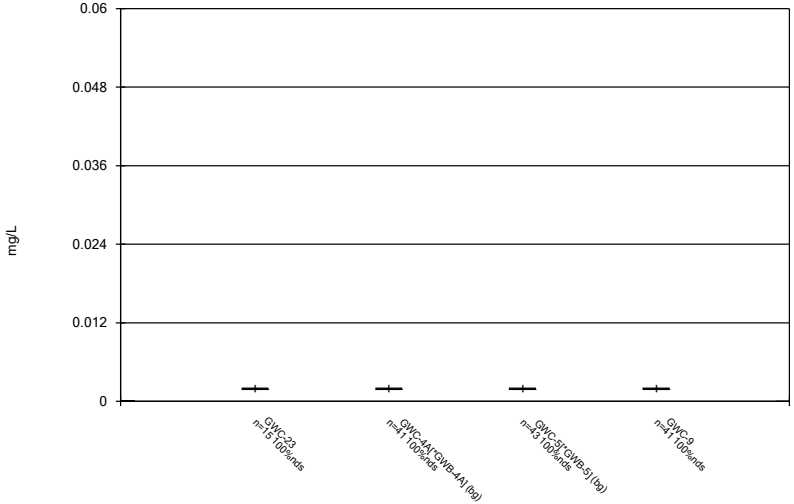


Constituent: Antimony Analysis Run 6/12/2020 11:11 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

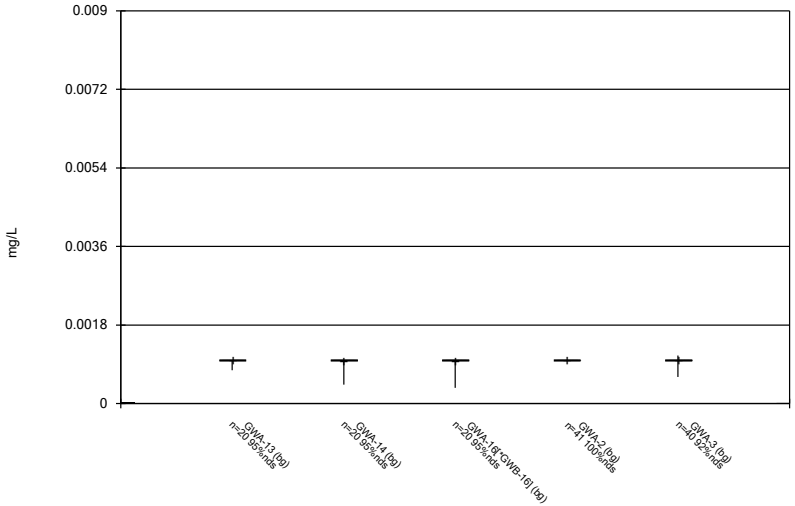
Box & Whiskers Plot



Constituent: Antimony Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

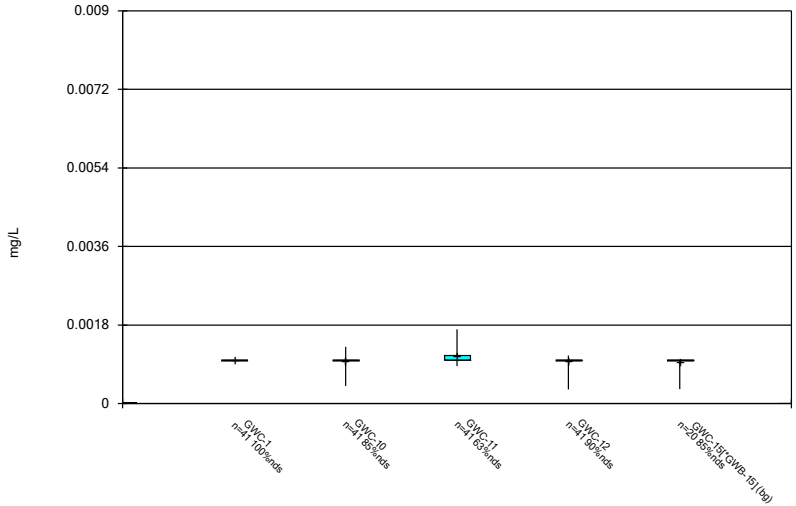


Constituent: Arsenic Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

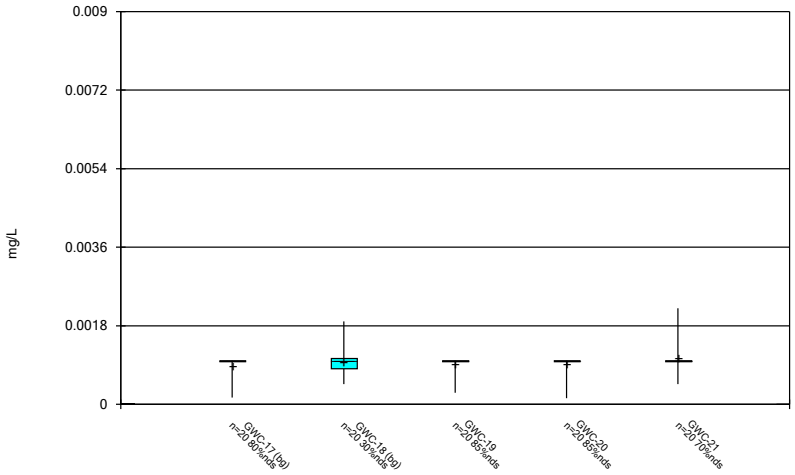


Constituent: Arsenic Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

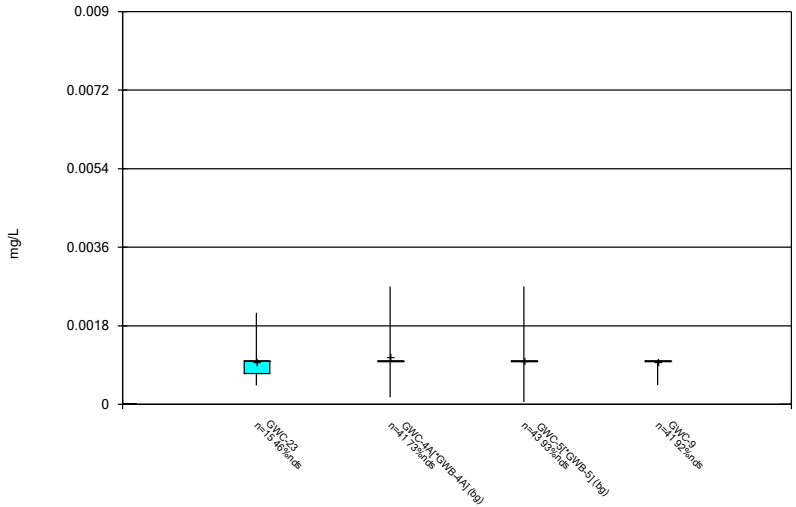


Constituent: Arsenic Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

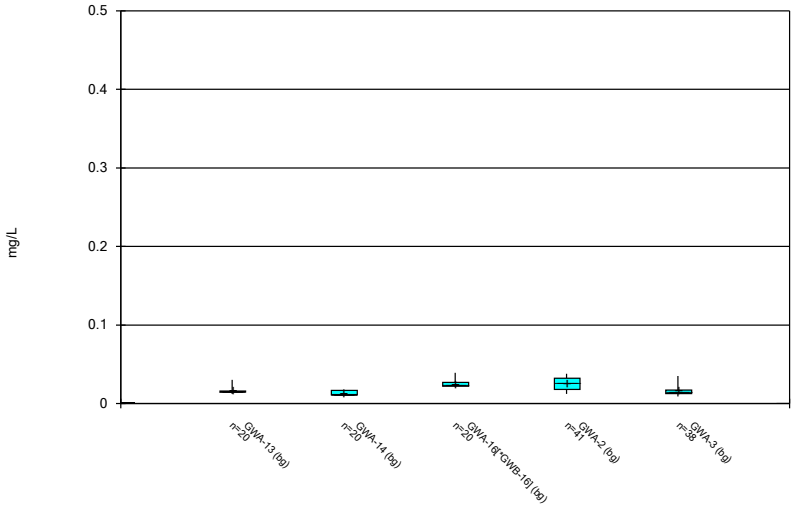
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

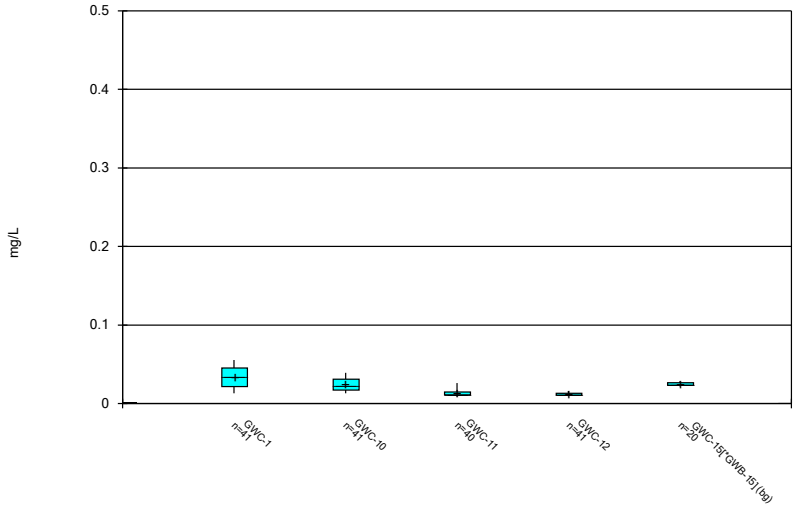


Constituent: Barium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

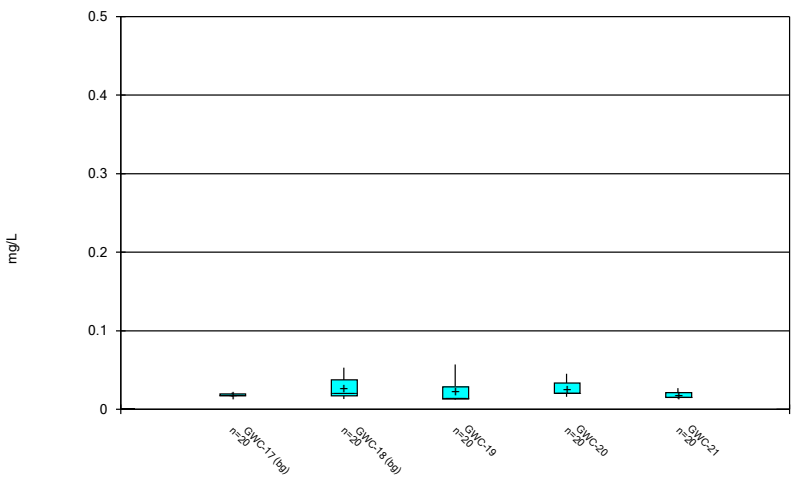


Constituent: Barium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

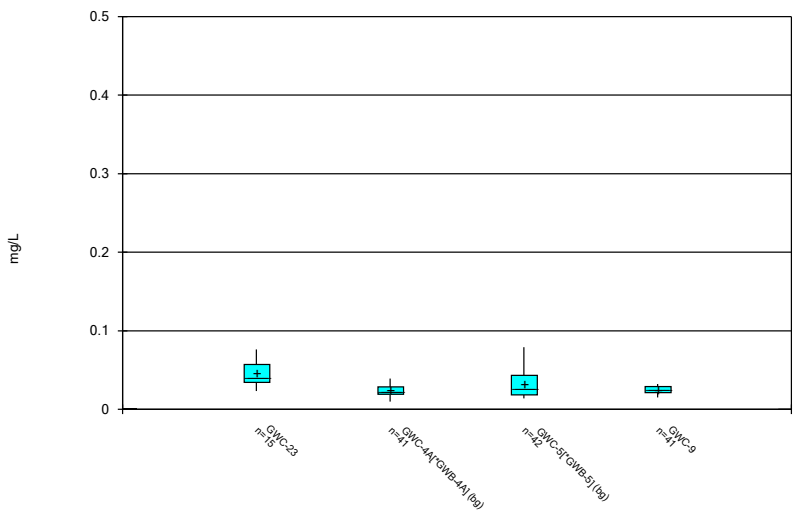


Constituent: Barium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

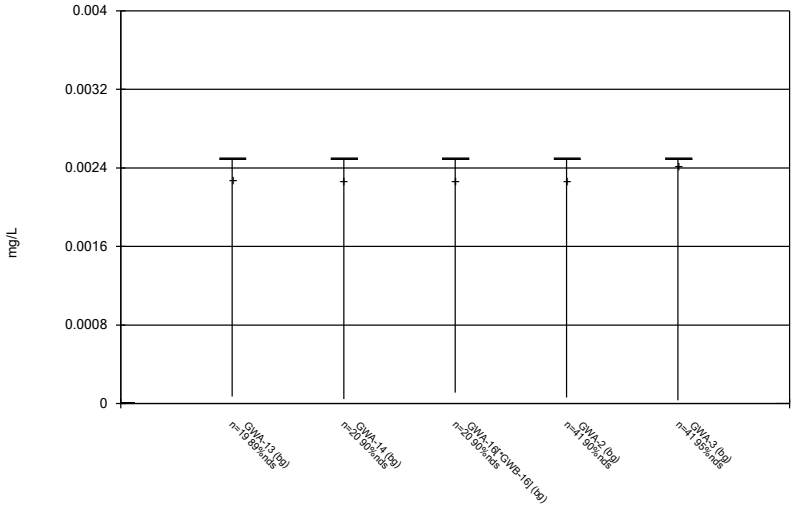
Box & Whiskers Plot



Constituent: Barium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

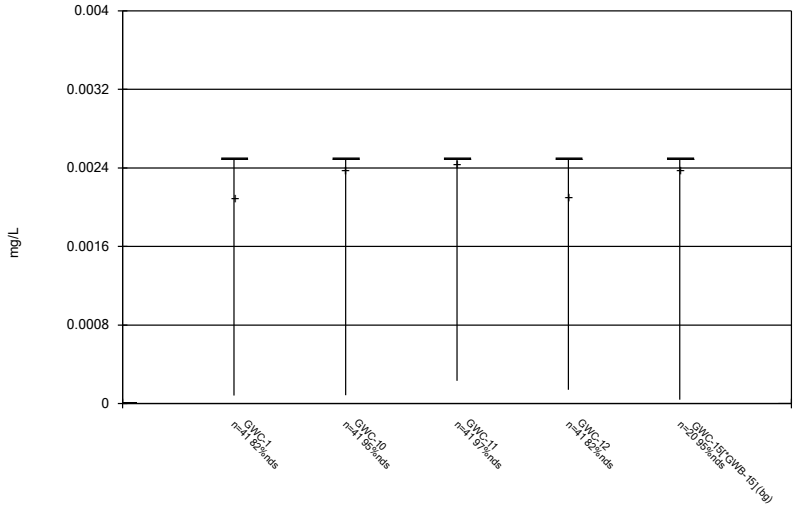


Constituent: Beryllium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

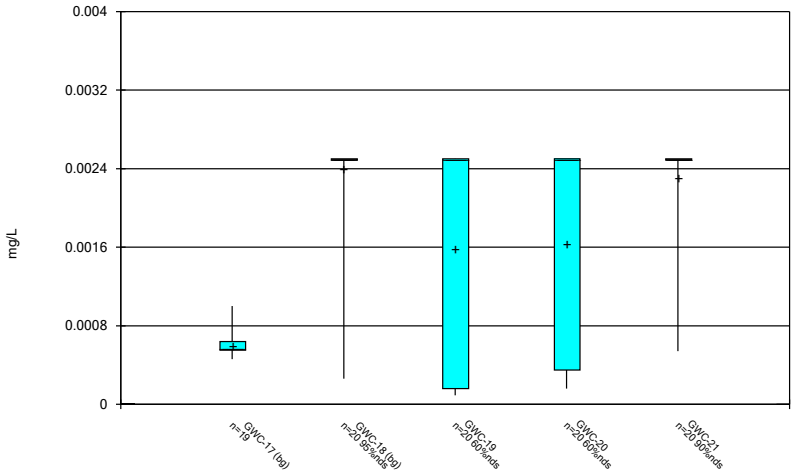


Constituent: Beryllium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

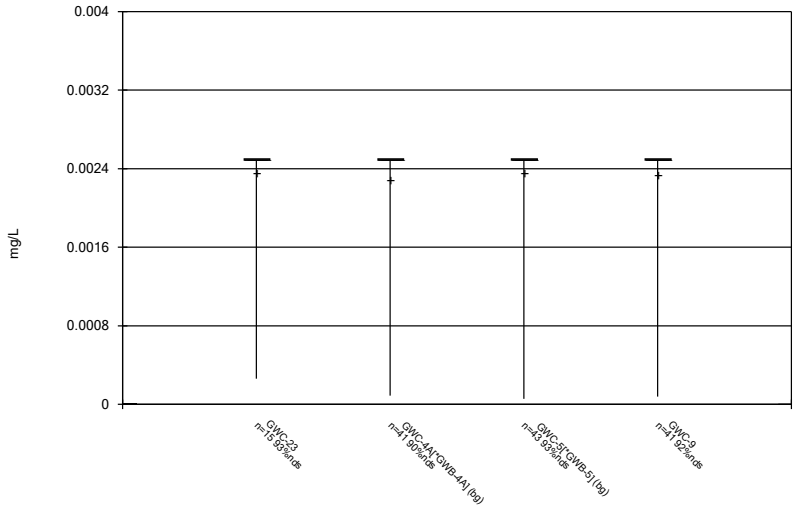


Constituent: Beryllium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

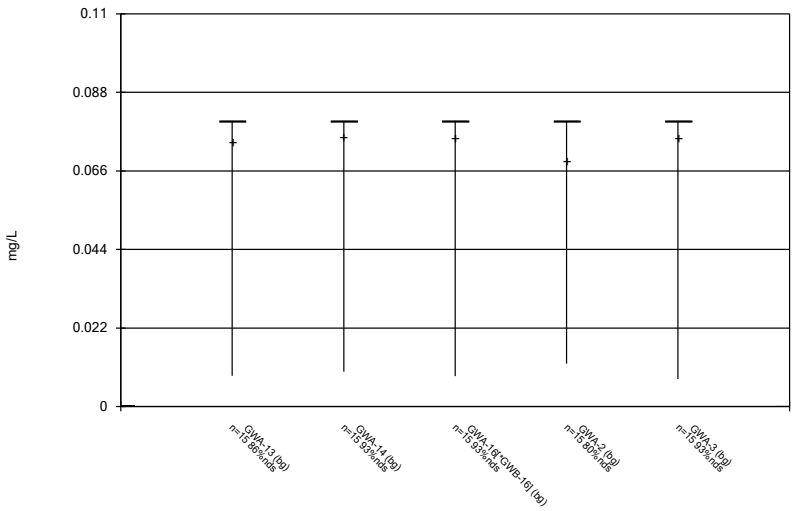
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

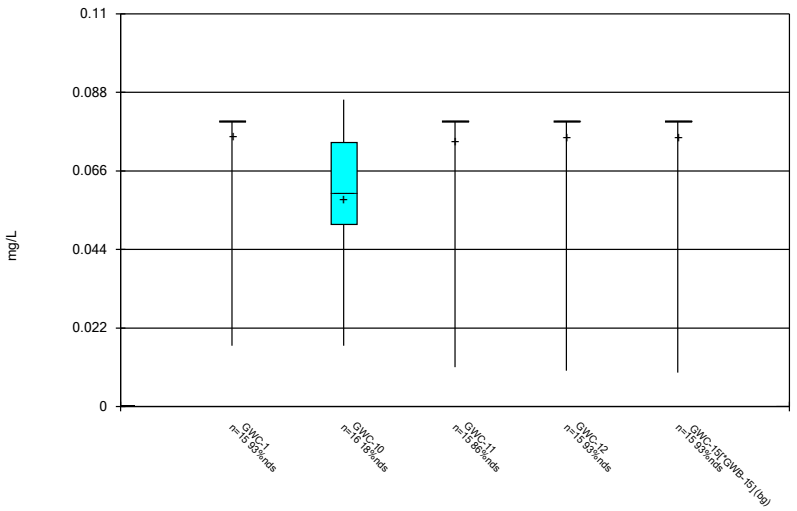


Constituent: Boron Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

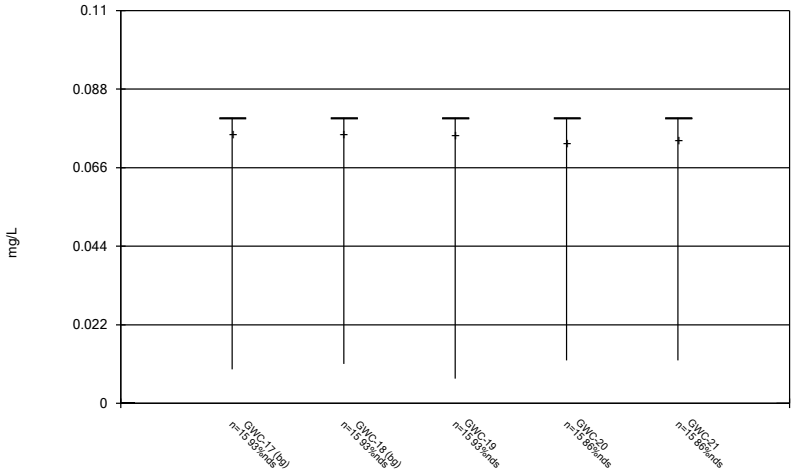


Constituent: Boron Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

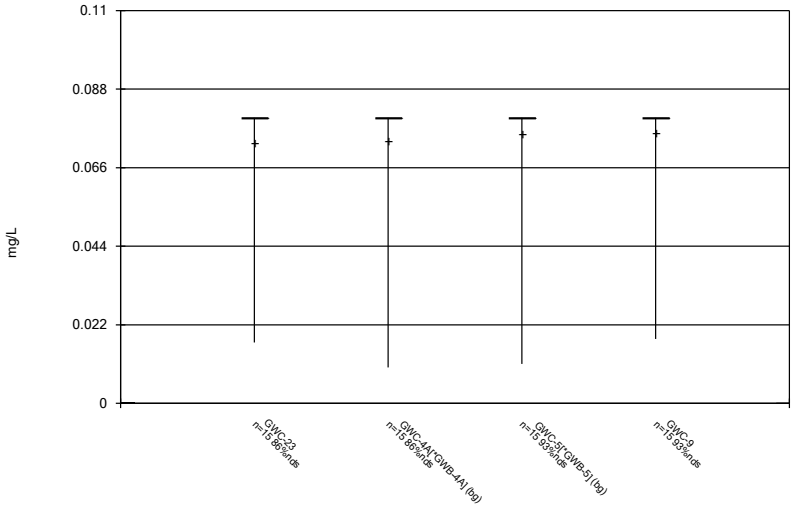


Constituent: Boron Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

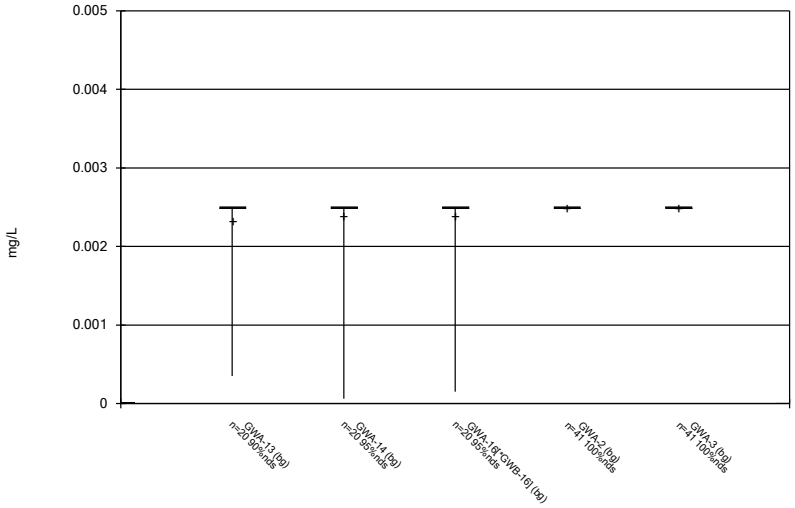
Box & Whiskers Plot



Constituent: Boron Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

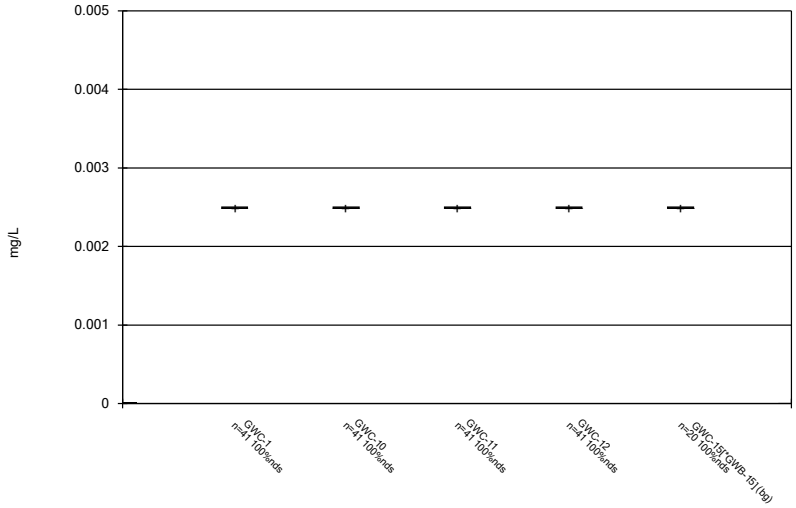


Constituent: Cadmium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

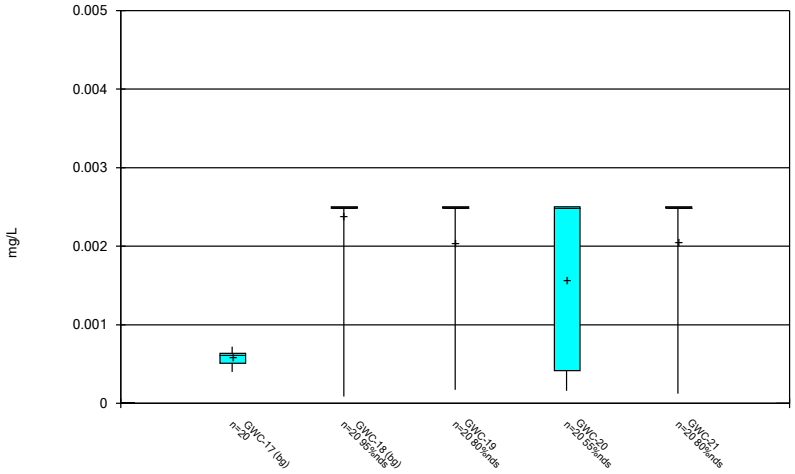


Constituent: Cadmium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

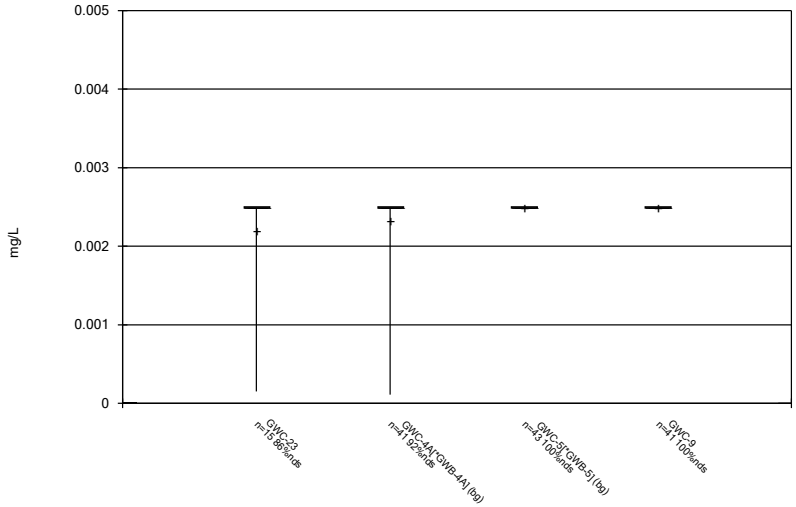


Constituent: Cadmium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

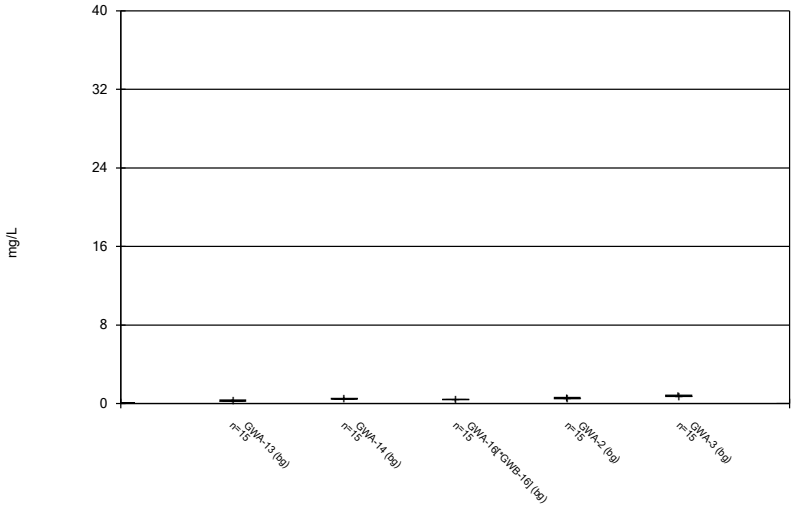
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

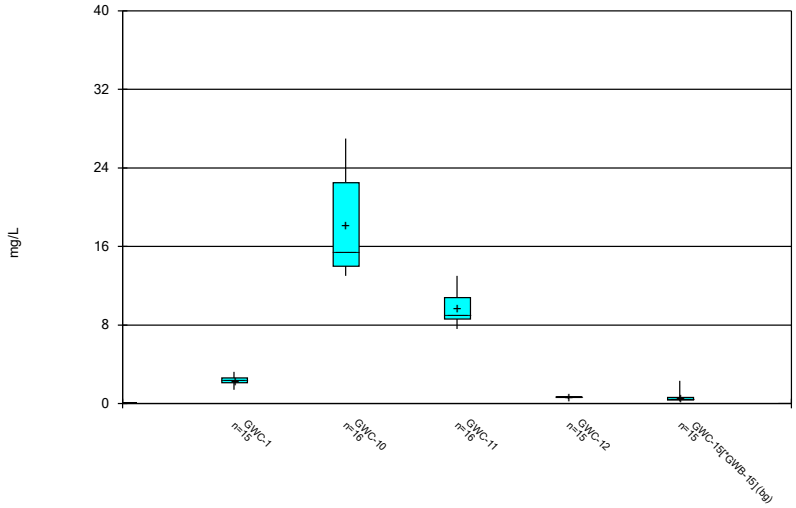


Constituent: Calcium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

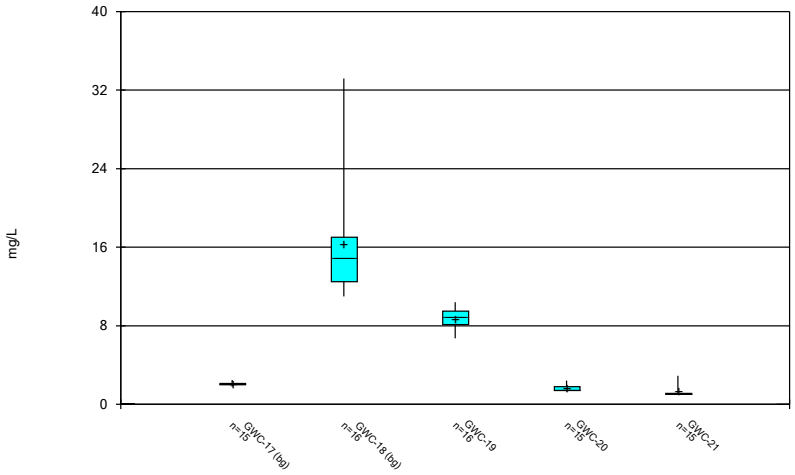


Constituent: Calcium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

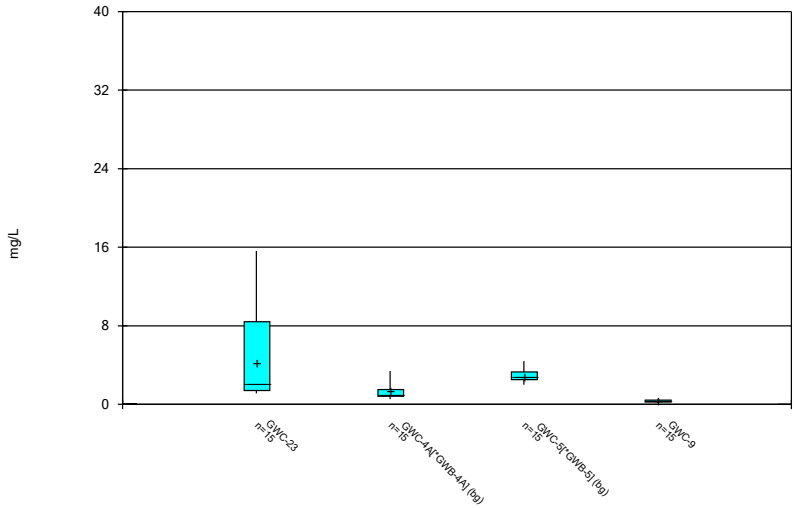


Constituent: Calcium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

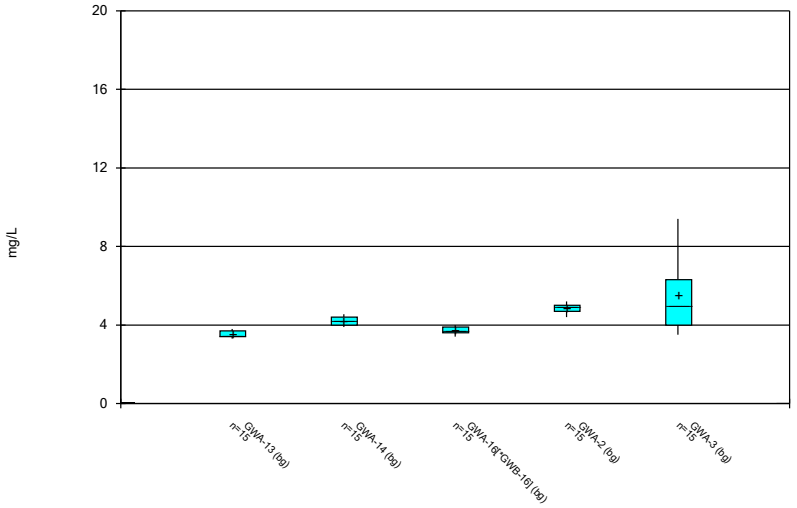
Box & Whiskers Plot



Constituent: Calcium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

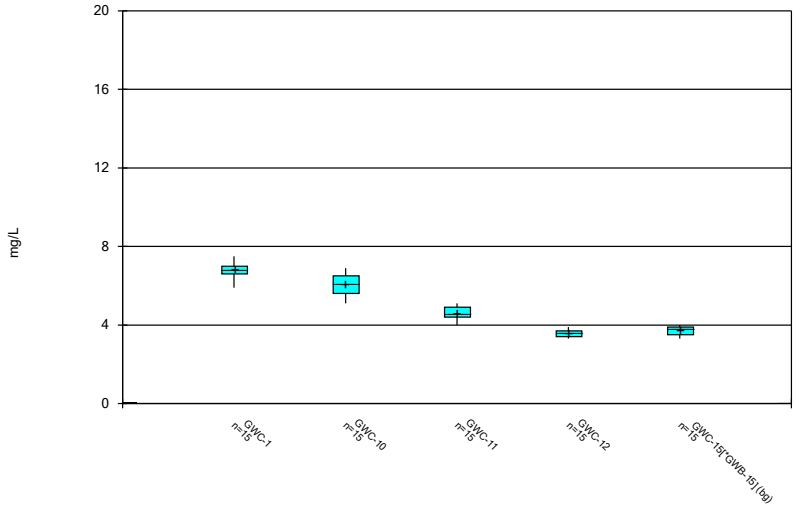


Constituent: Chloride Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

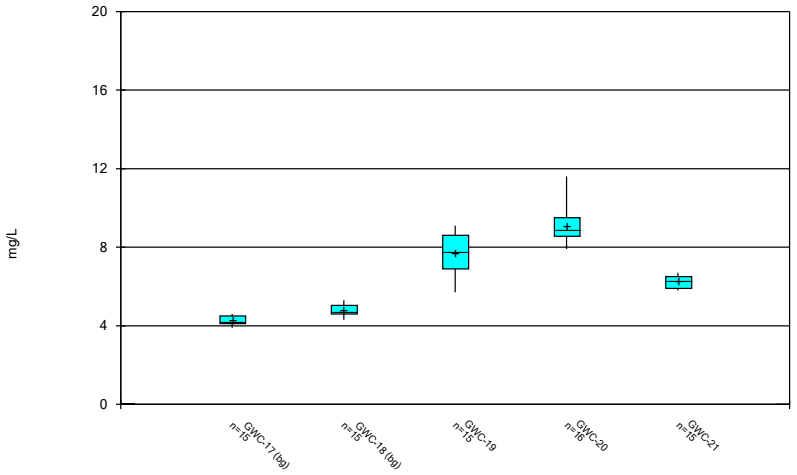


Constituent: Chloride Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

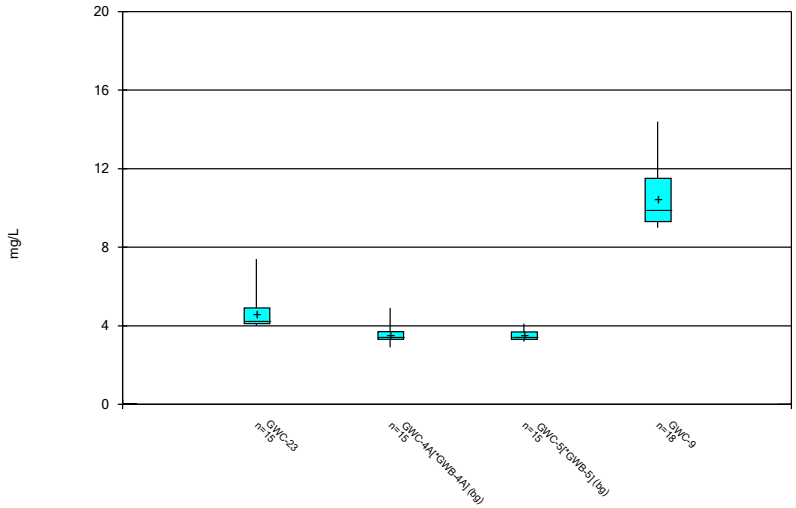


Constituent: Chloride Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

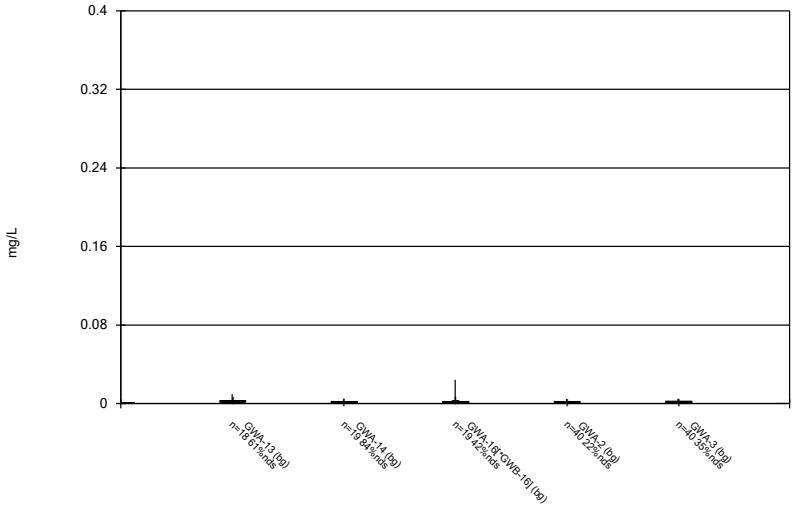


Constituent: Chloride Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

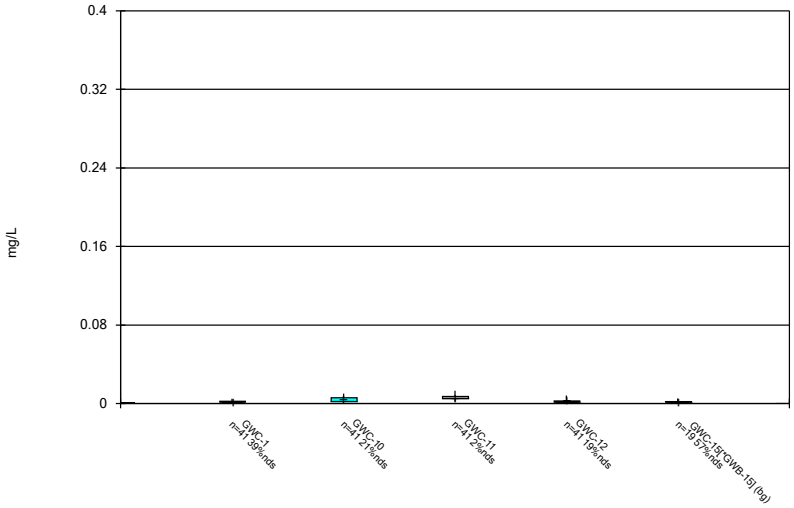


Constituent: Chromium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

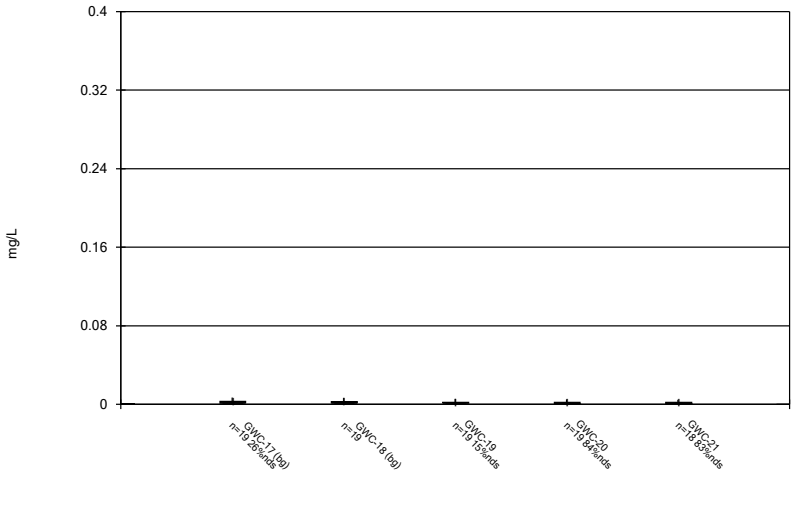


Constituent: Chromium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

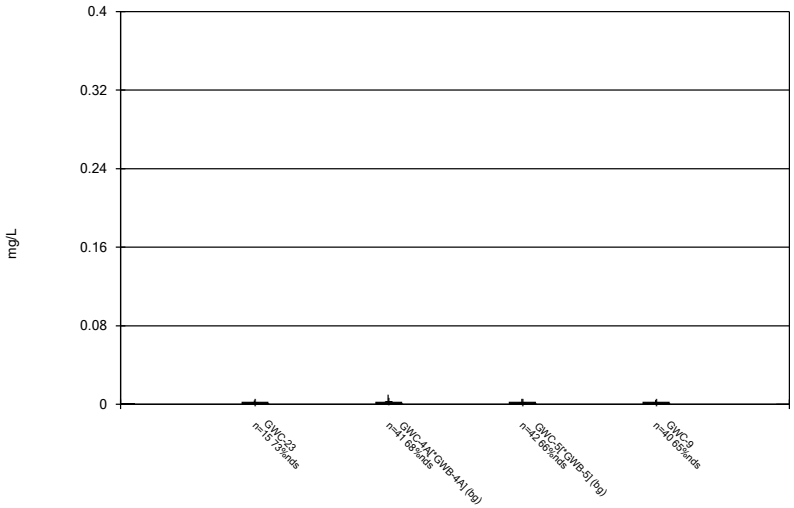


Constituent: Chromium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

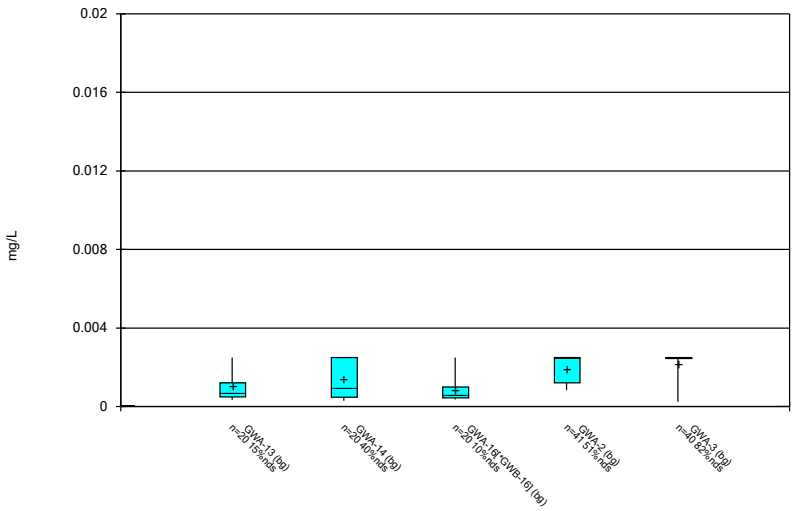


Constituent: Chromium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

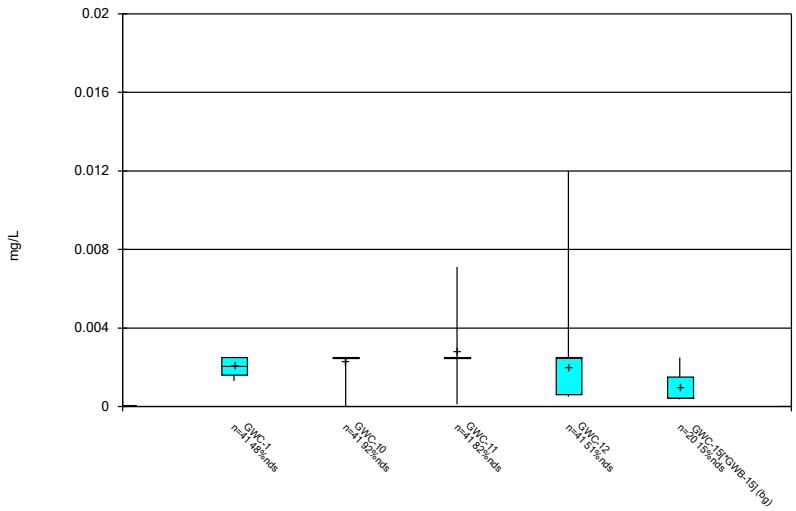


Constituent: Cobalt Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

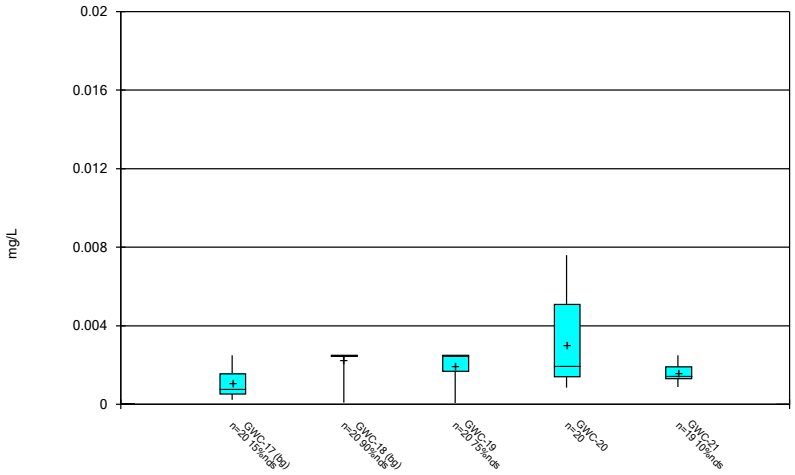


Constituent: Cobalt Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

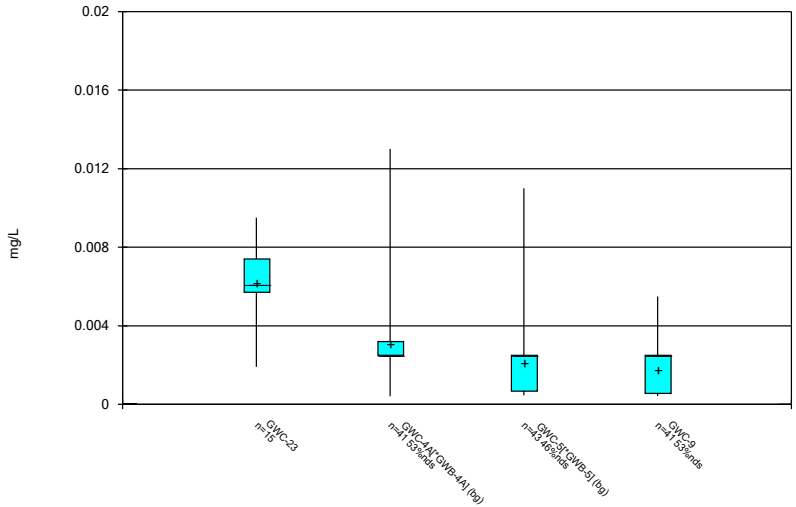


Constituent: Cobalt Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

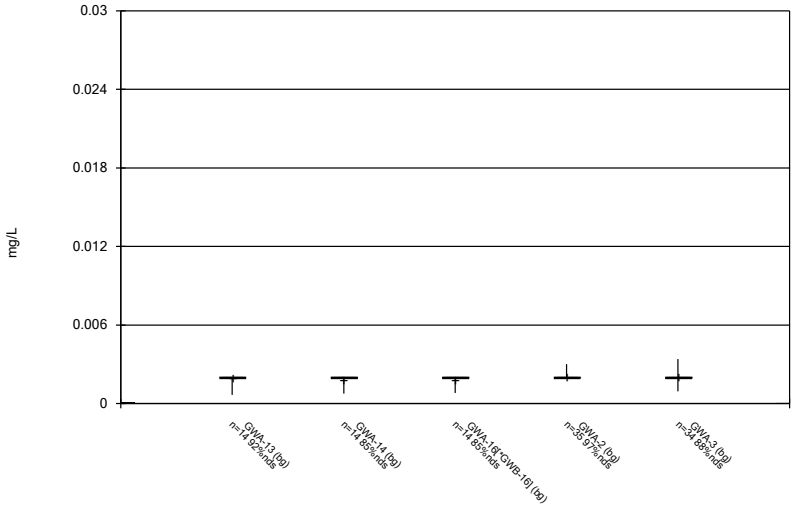
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

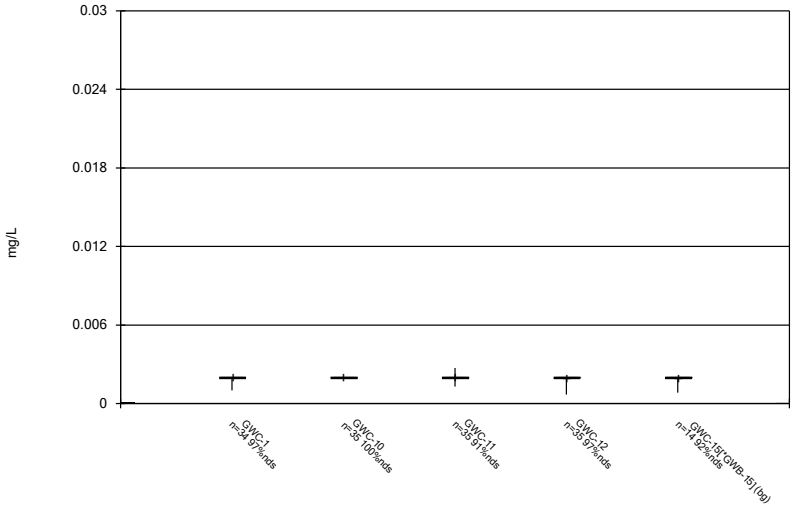


Constituent: Copper Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

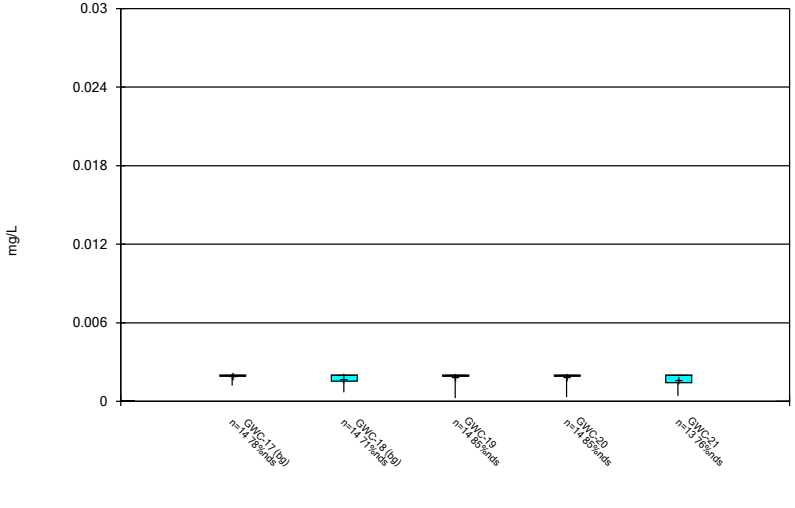


Constituent: Copper Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

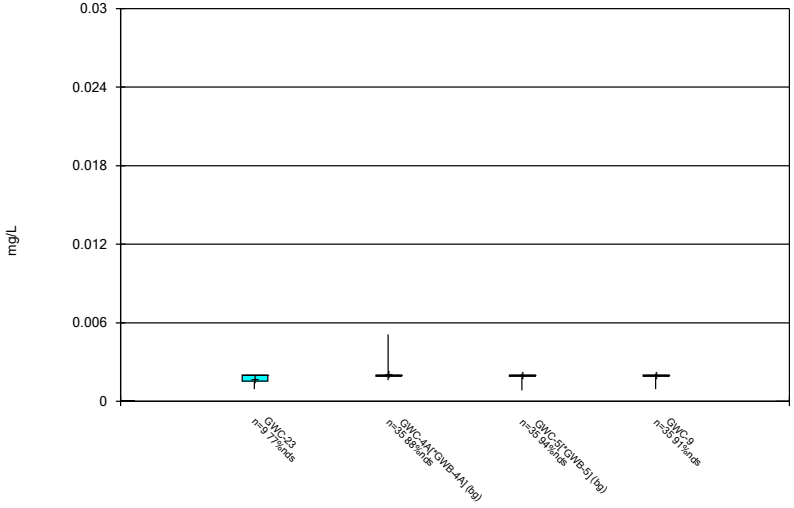


Constituent: Copper Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

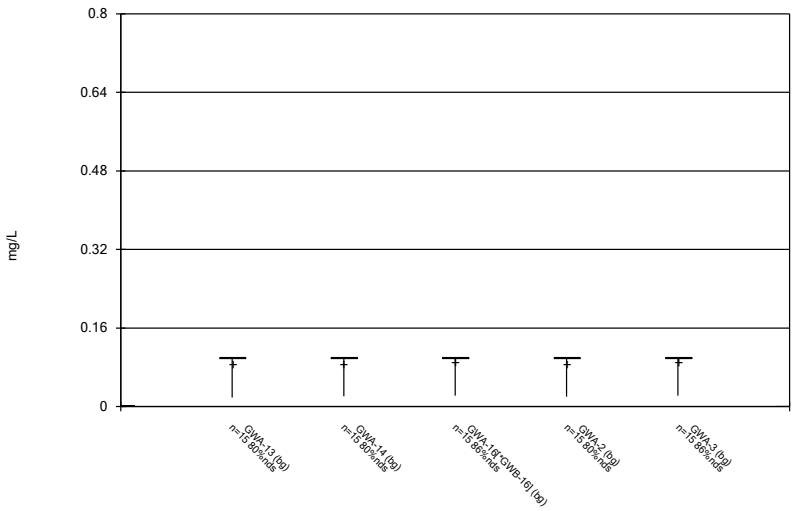
Box & Whiskers Plot



Constituent: Copper Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

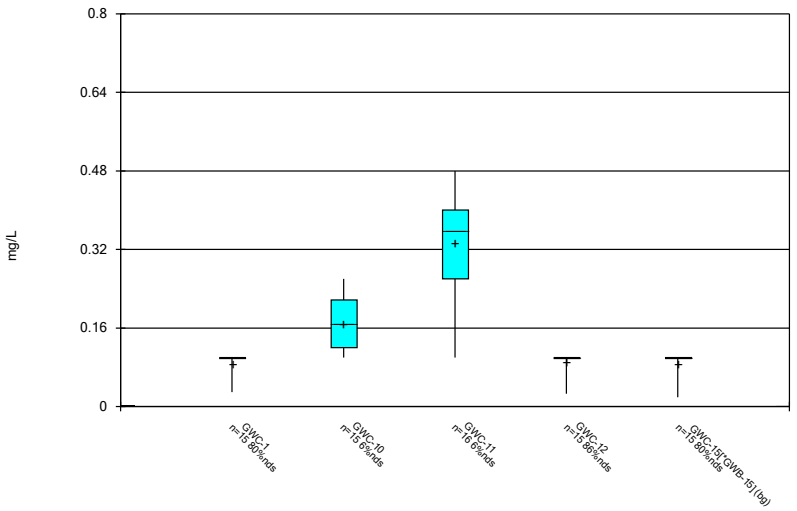


Constituent: Fluoride Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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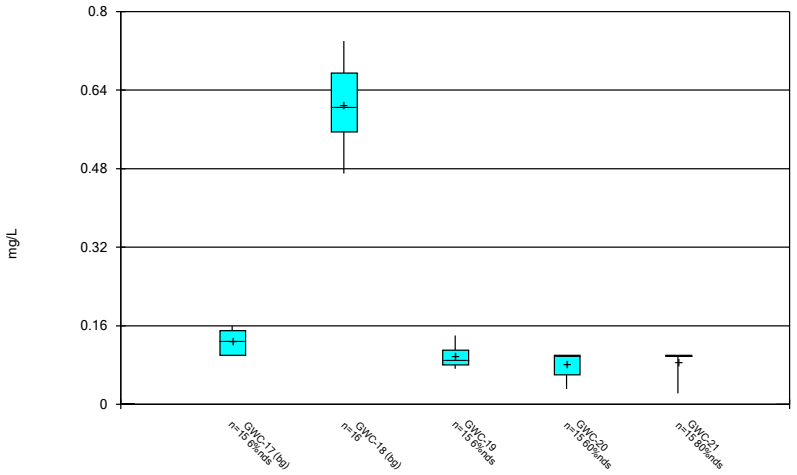
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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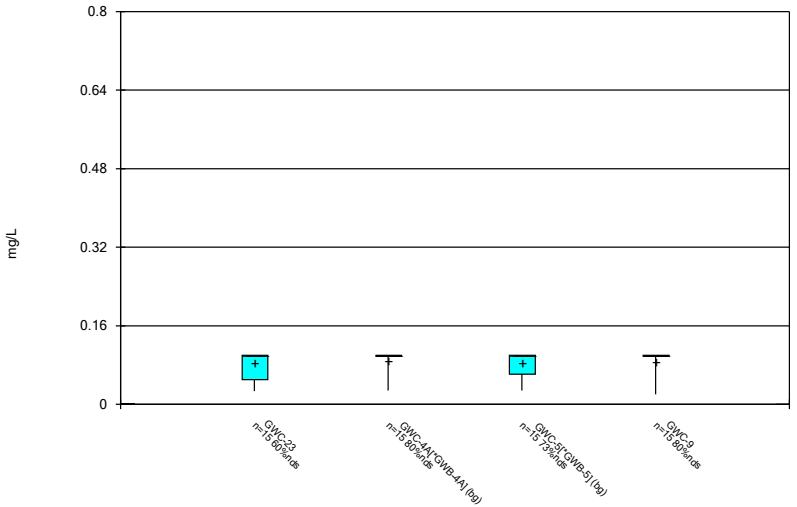
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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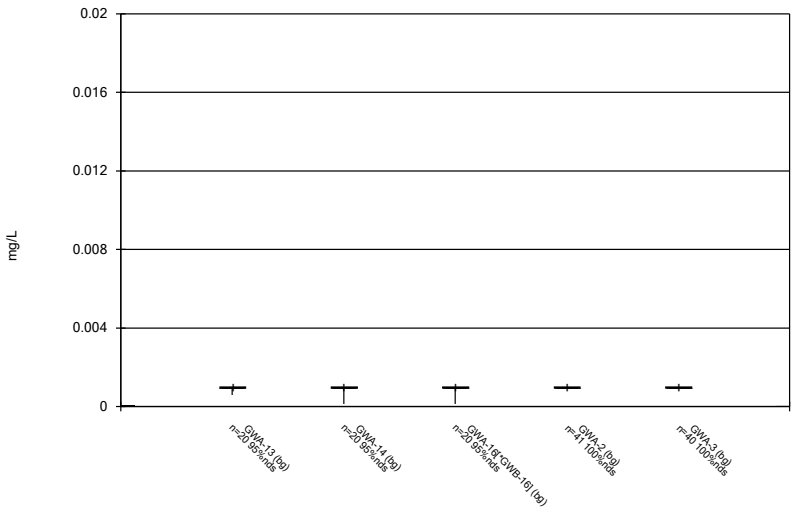
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

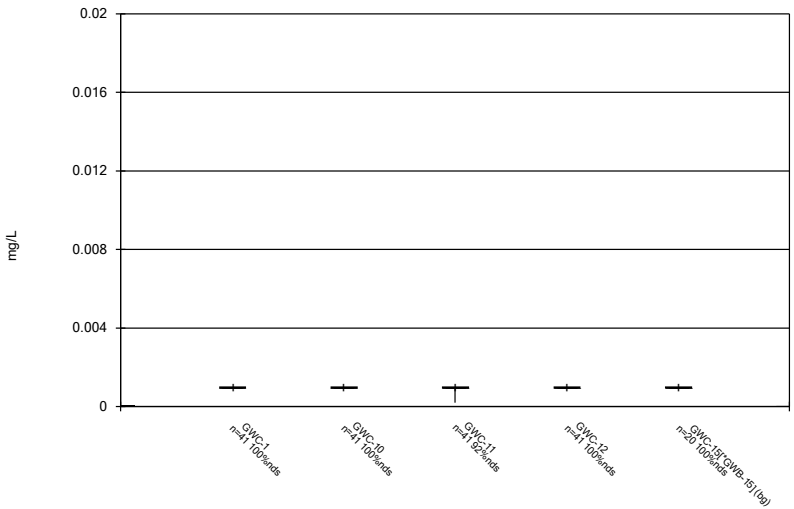


Constituent: Lead Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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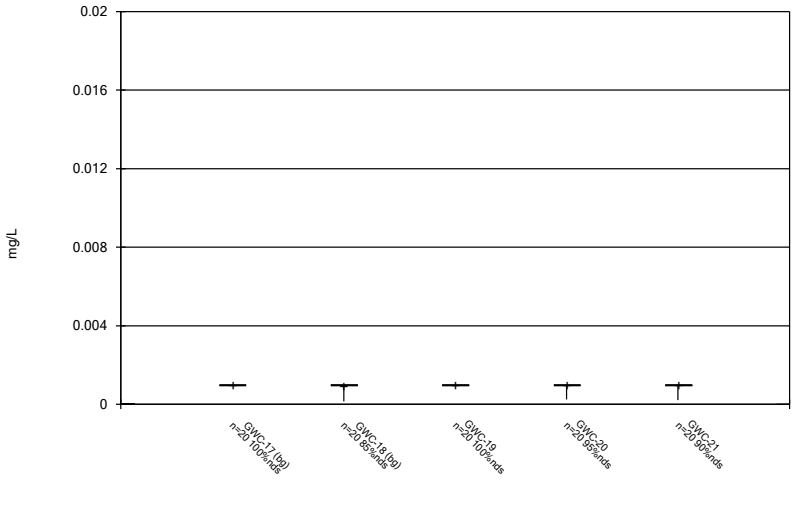
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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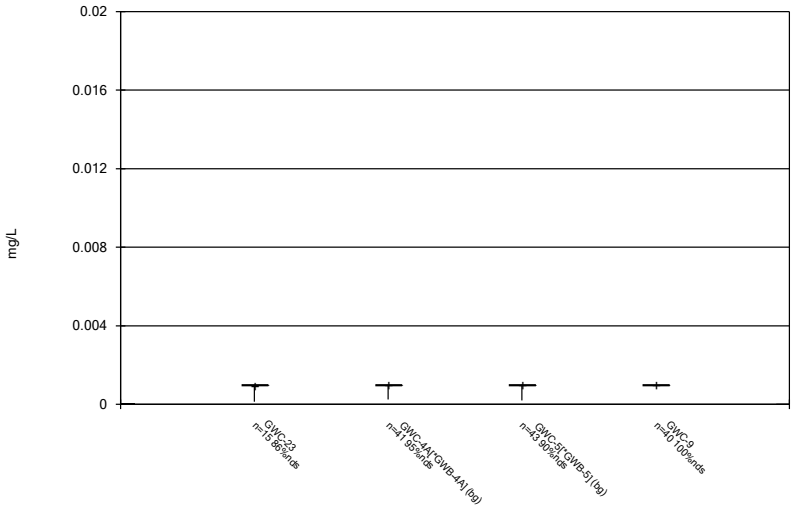
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

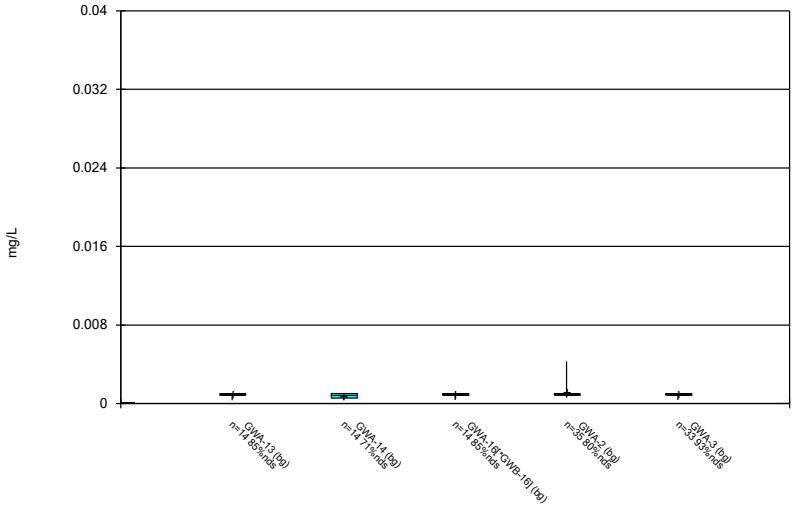


Constituent: Lead Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

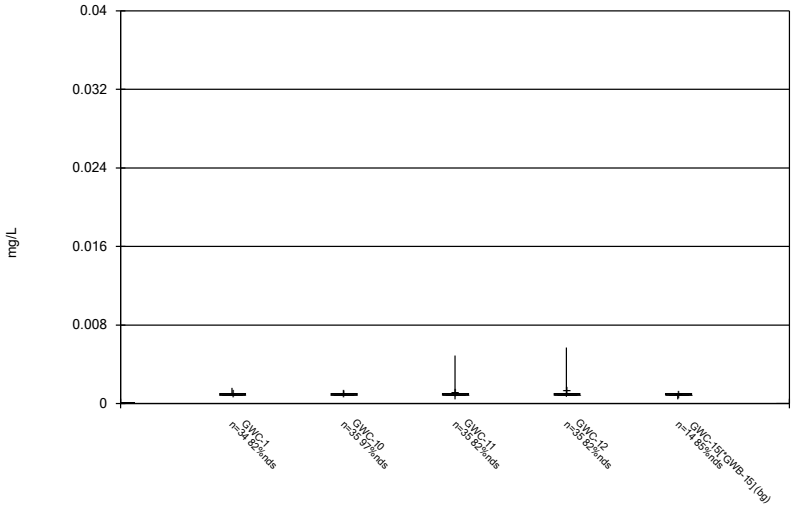


Constituent: Nickel Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

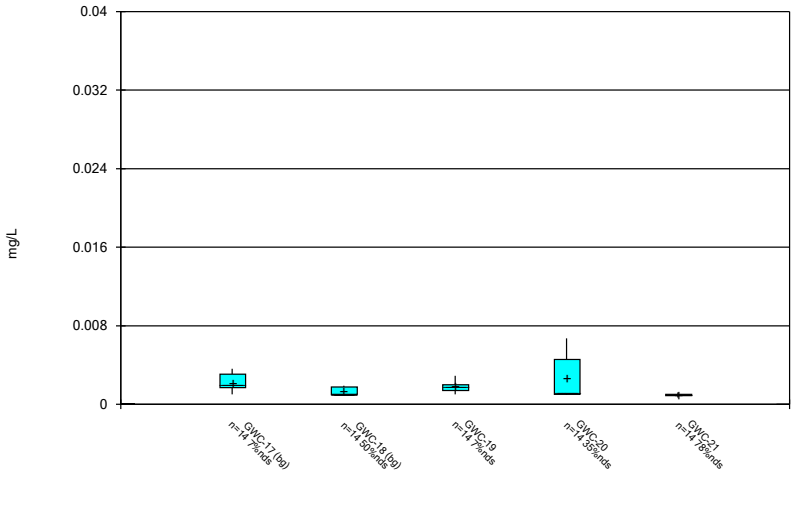


Constituent: Nickel Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

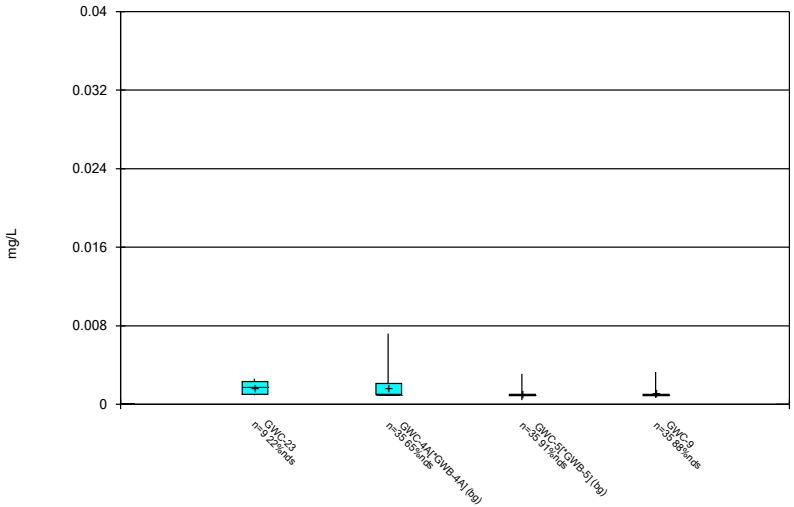


Constituent: Nickel Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

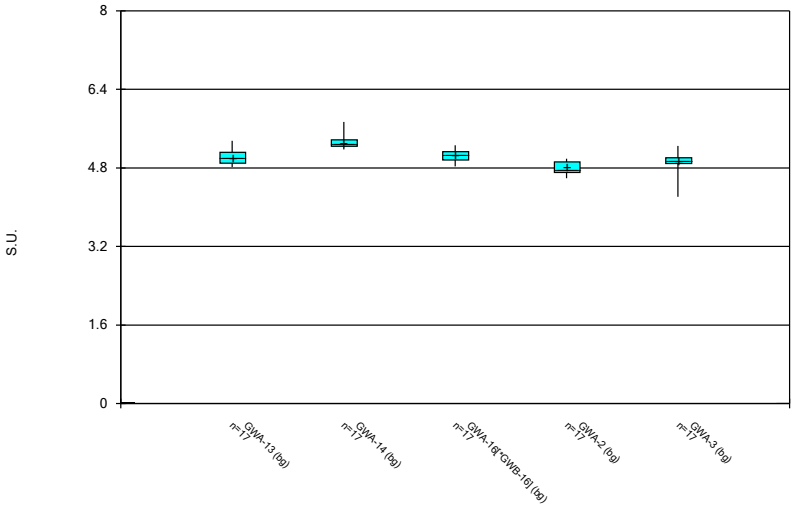


Constituent: Nickel Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

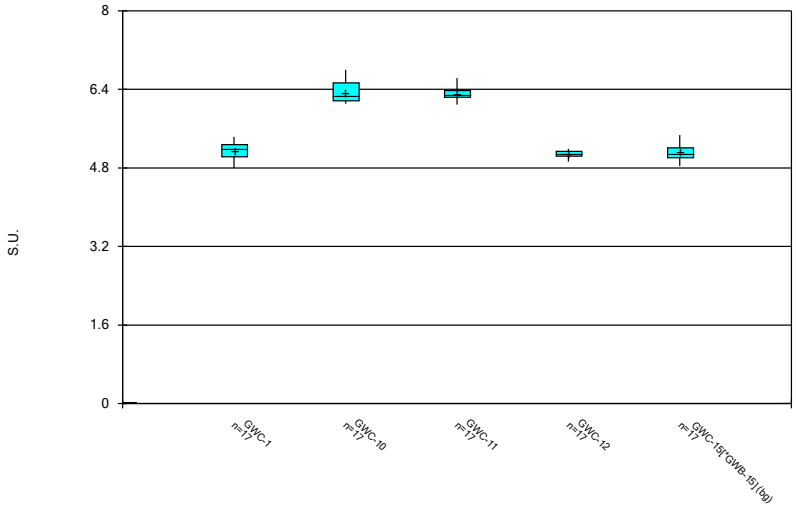


Constituent: pH Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

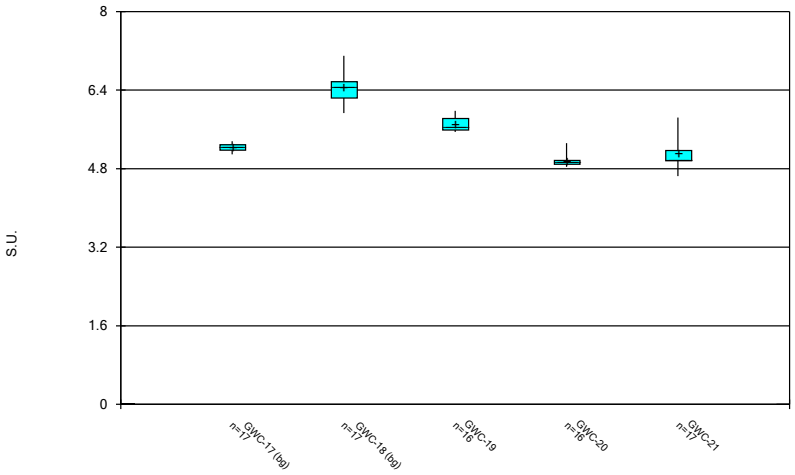


Constituent: pH Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

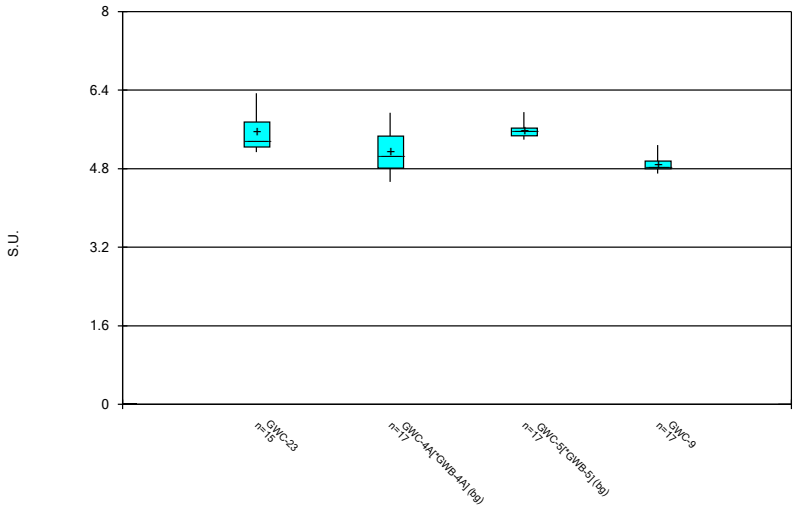


Constituent: pH Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

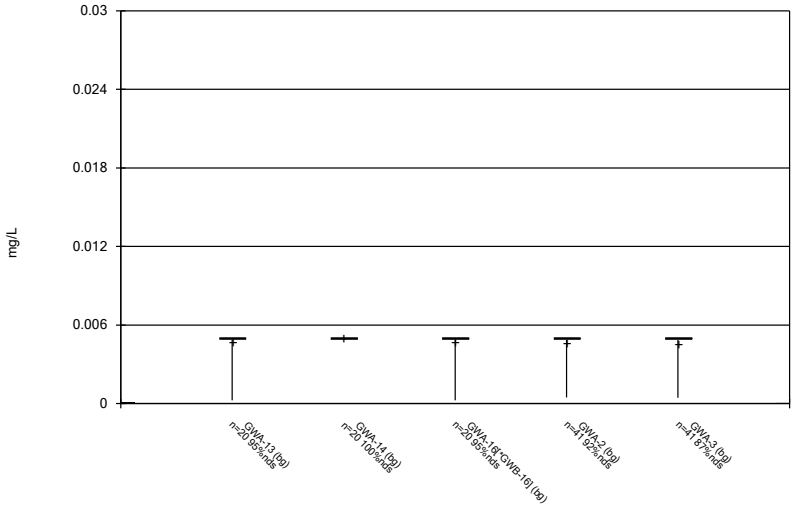
Box & Whiskers Plot



Constituent: pH Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

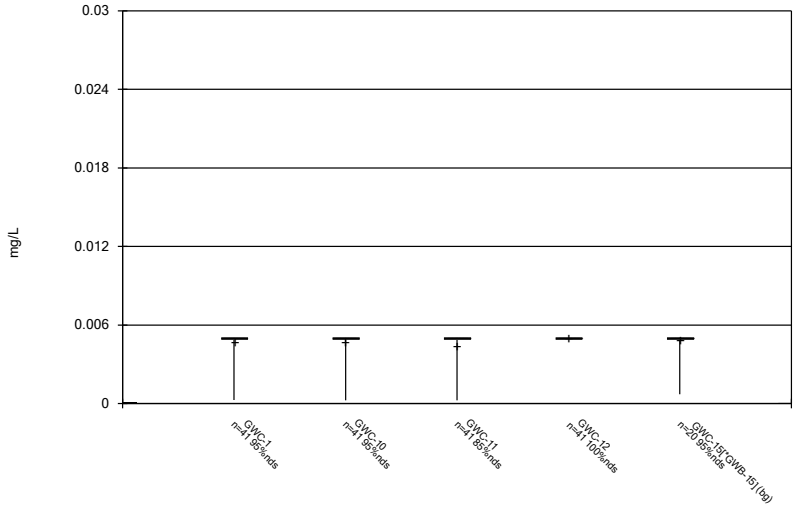


Constituent: Selenium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

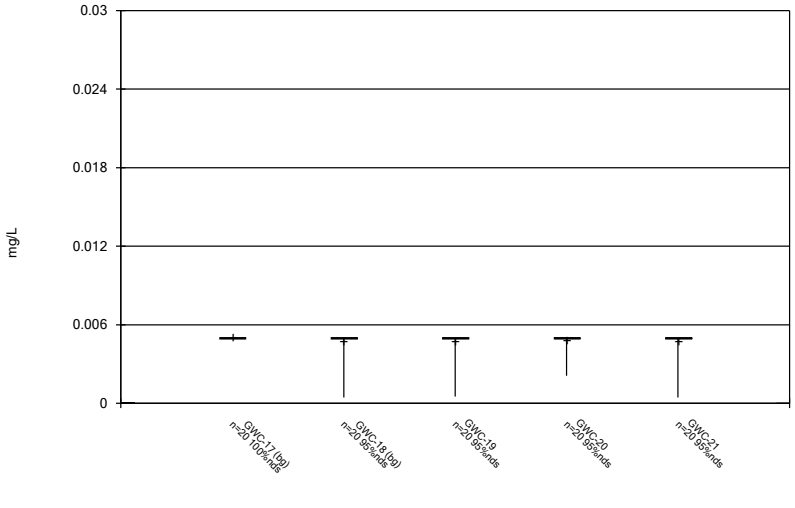


Constituent: Selenium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

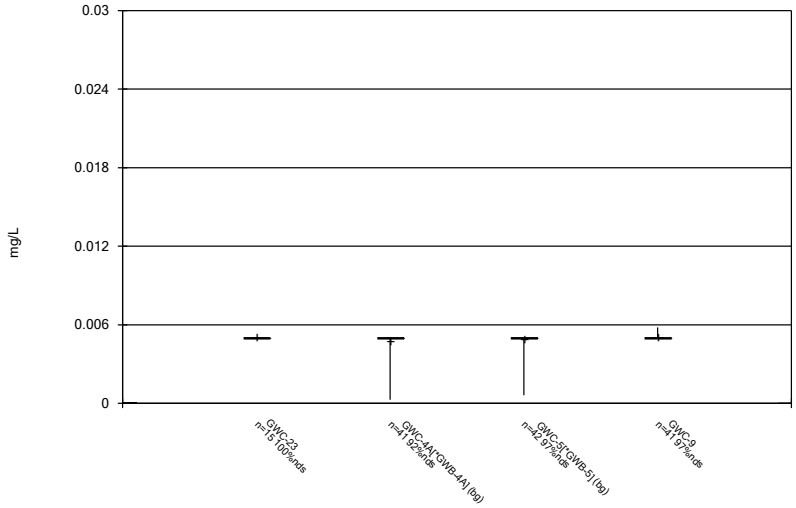


Constituent: Selenium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

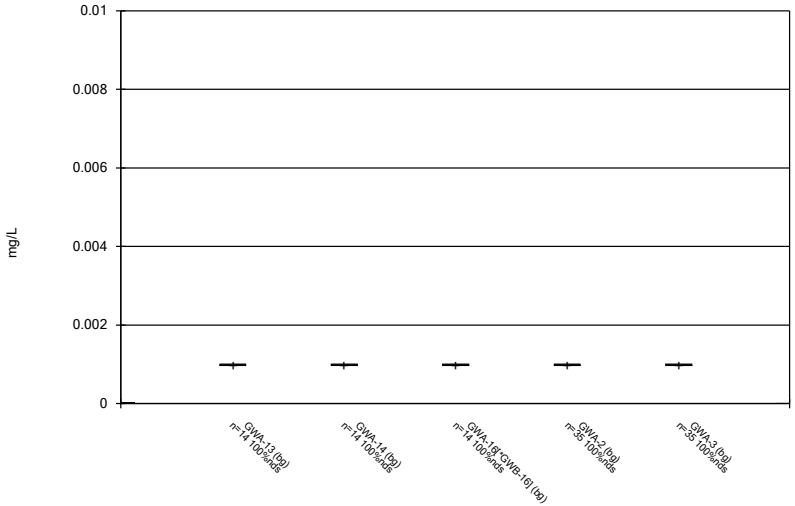
Box & Whiskers Plot



Constituent: Selenium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

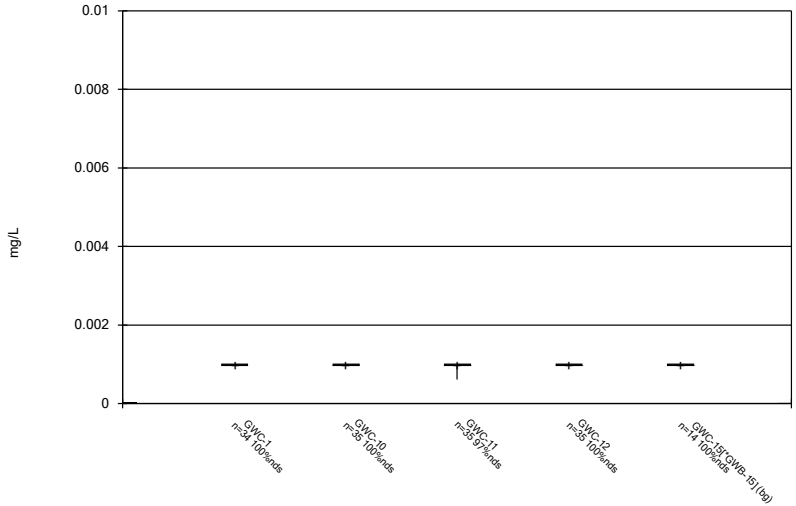


Constituent: Silver Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

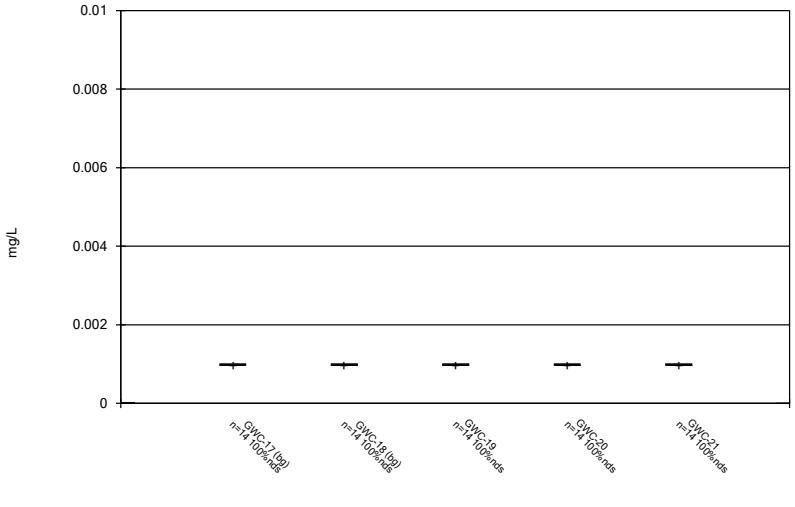


Constituent: Silver Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

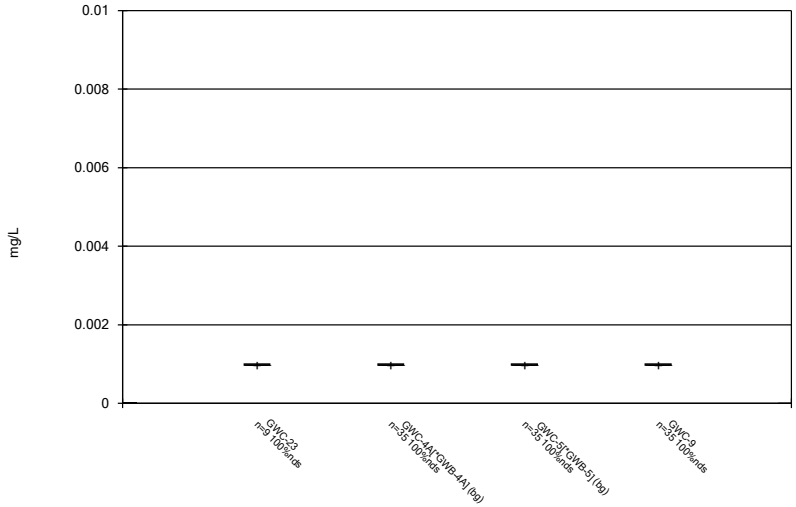


Constituent: Silver Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

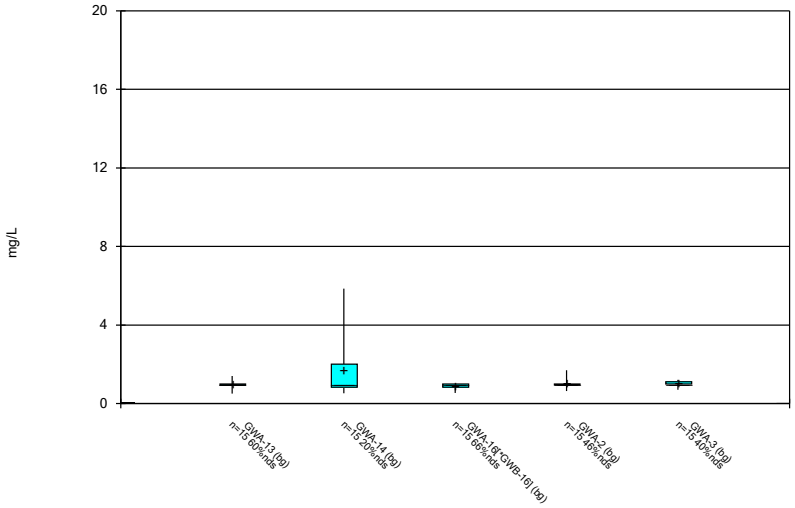
Box & Whiskers Plot



Constituent: Silver Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

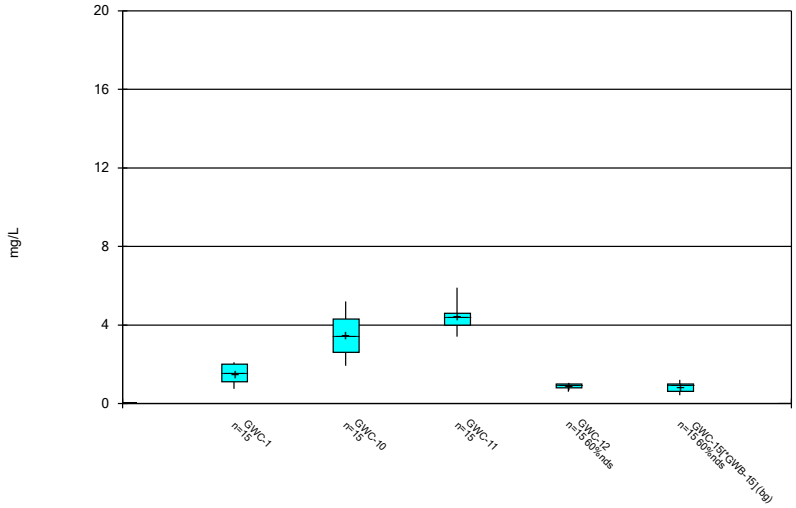


Constituent: Sulfate Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

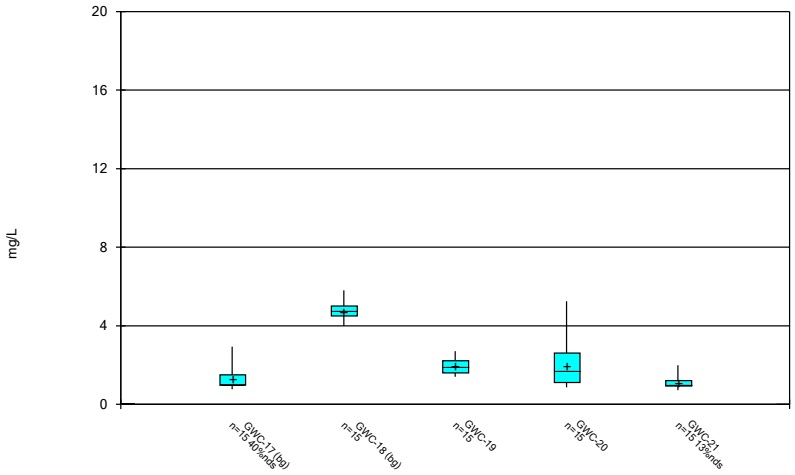


Constituent: Sulfate Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

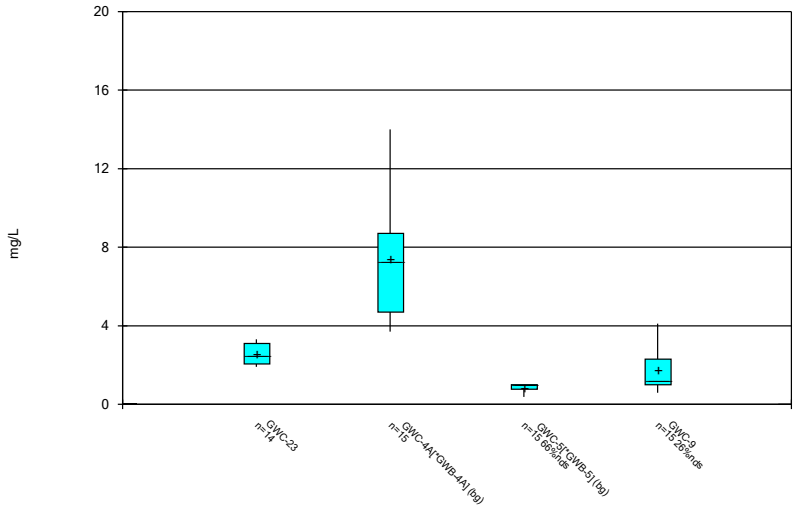


Constituent: Sulfate Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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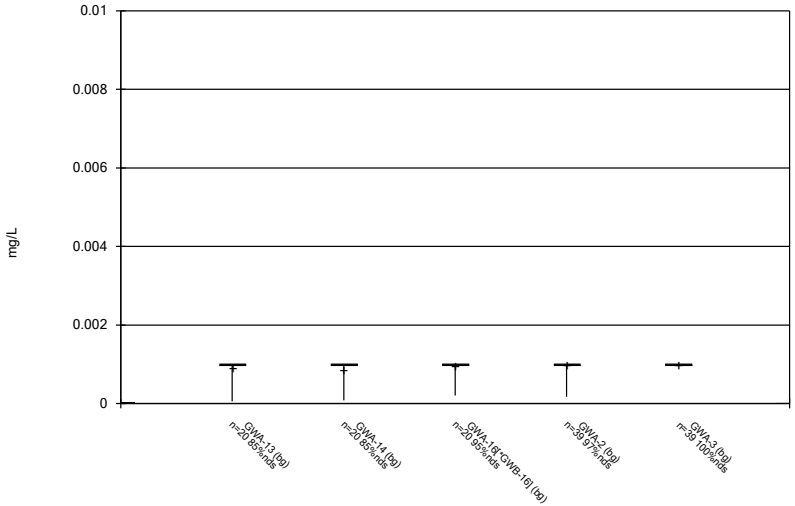
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

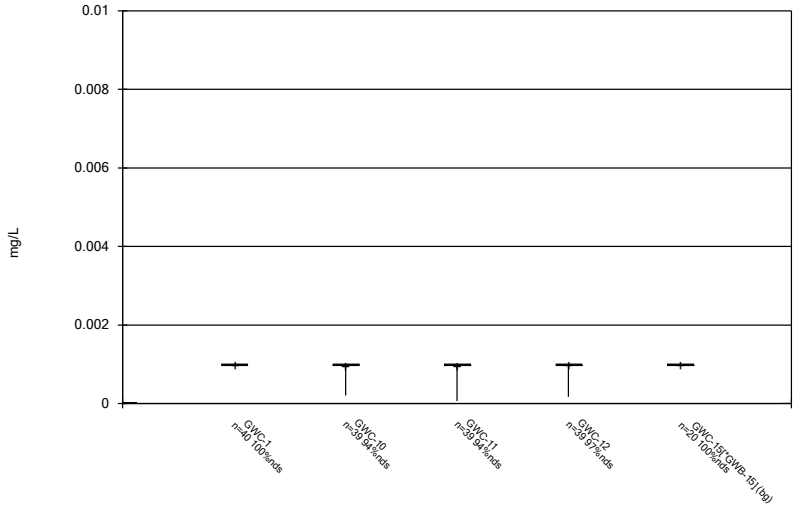


Constituent: Thallium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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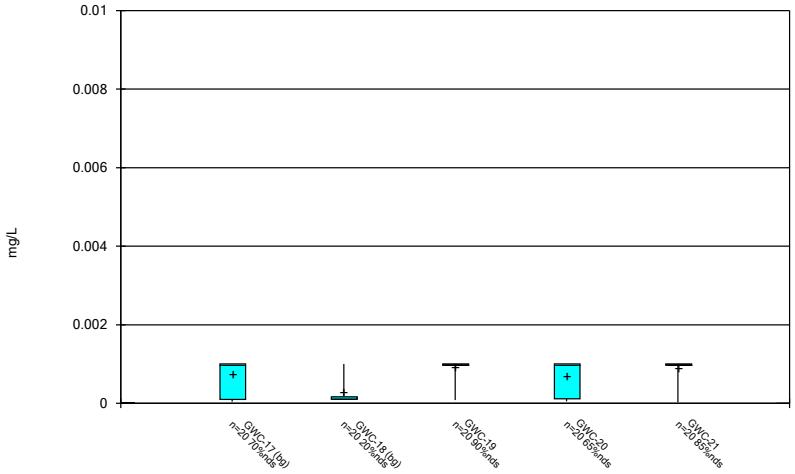
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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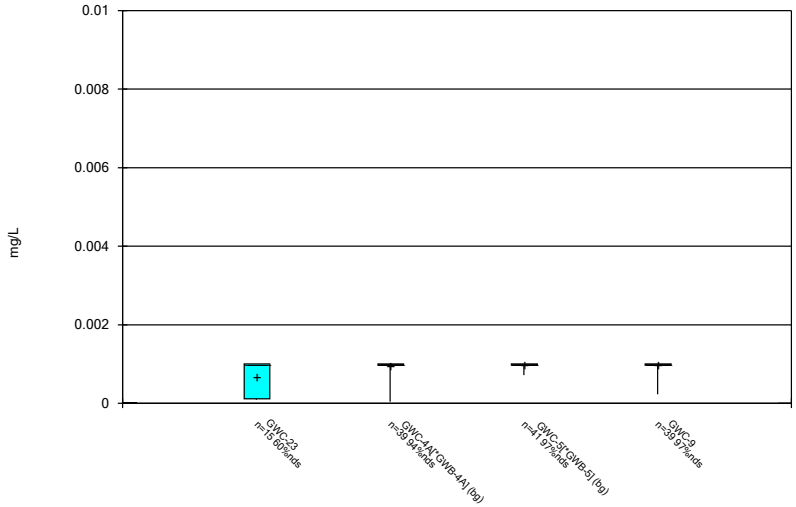
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



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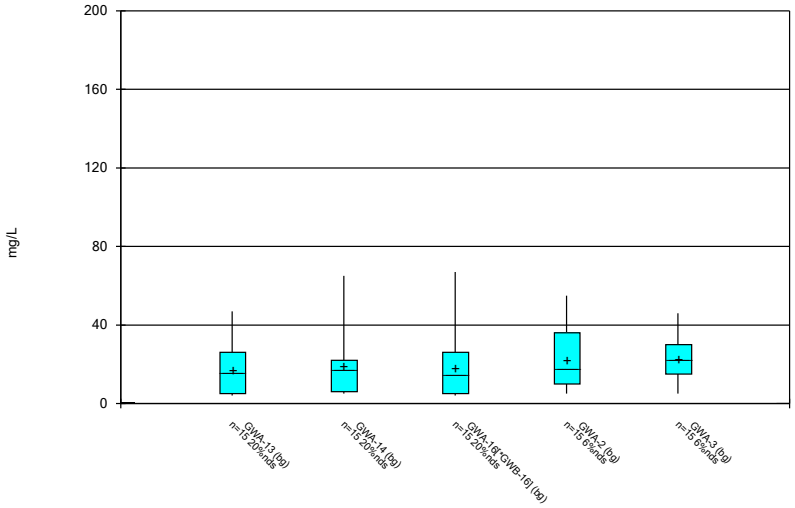
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

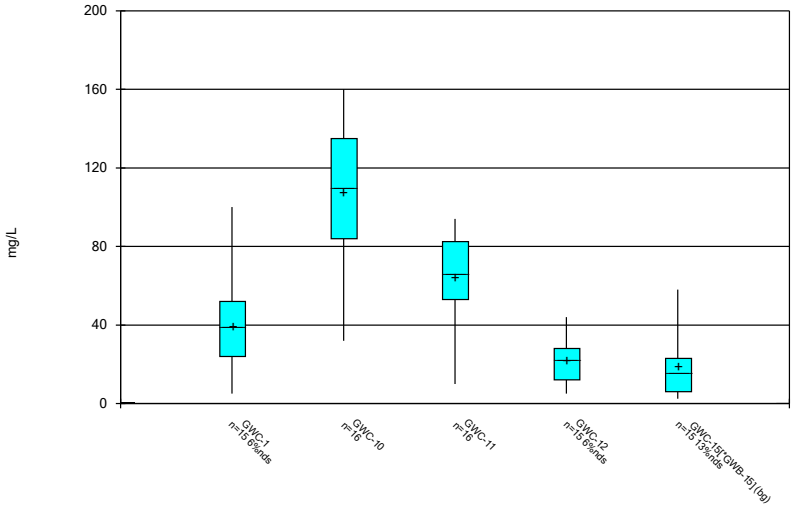
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/12/2020 11:12 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

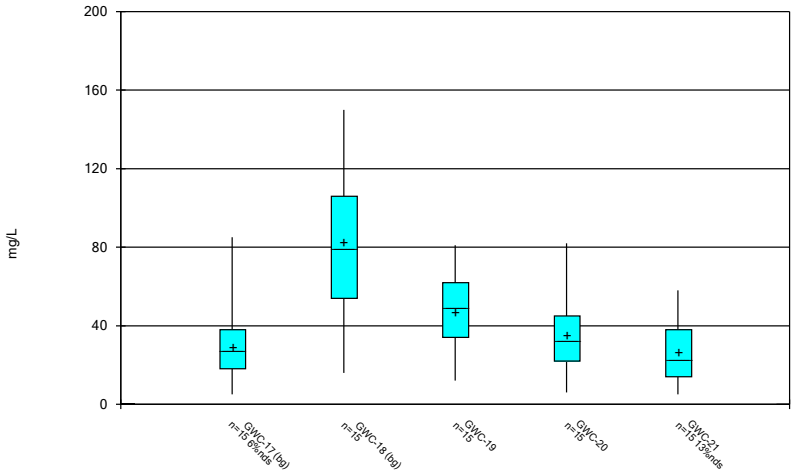
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/12/2020 11:12 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

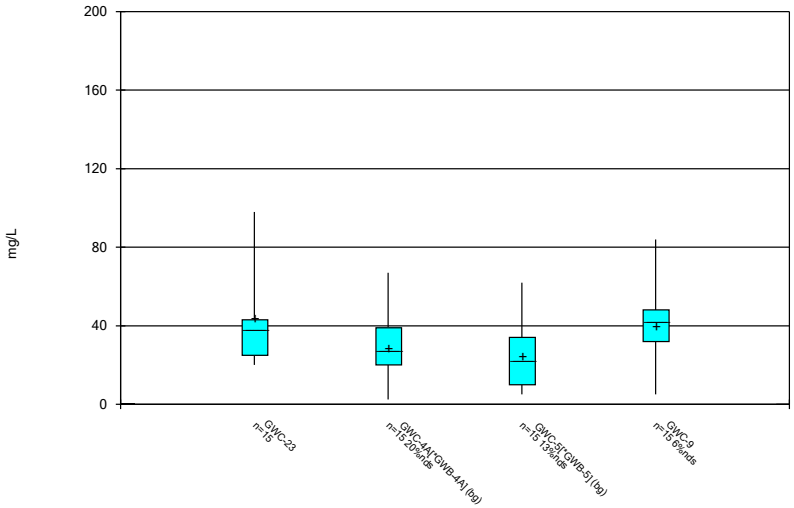
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/12/2020 11:12 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

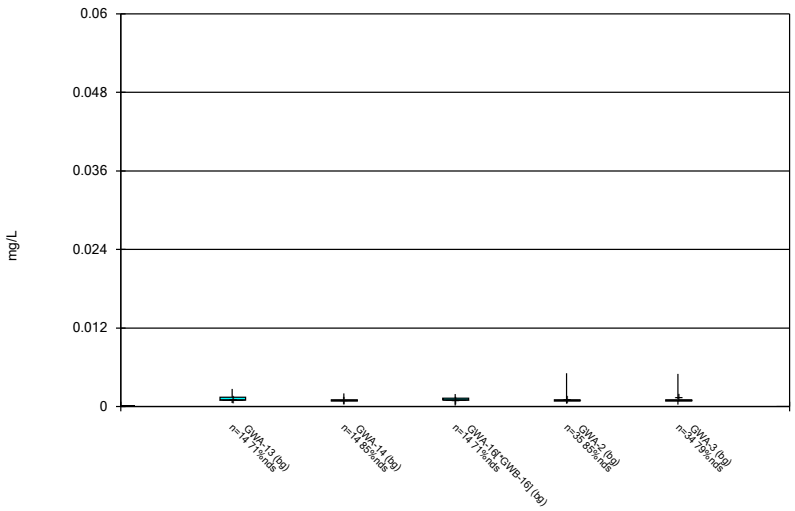
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/12/2020 11:12 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

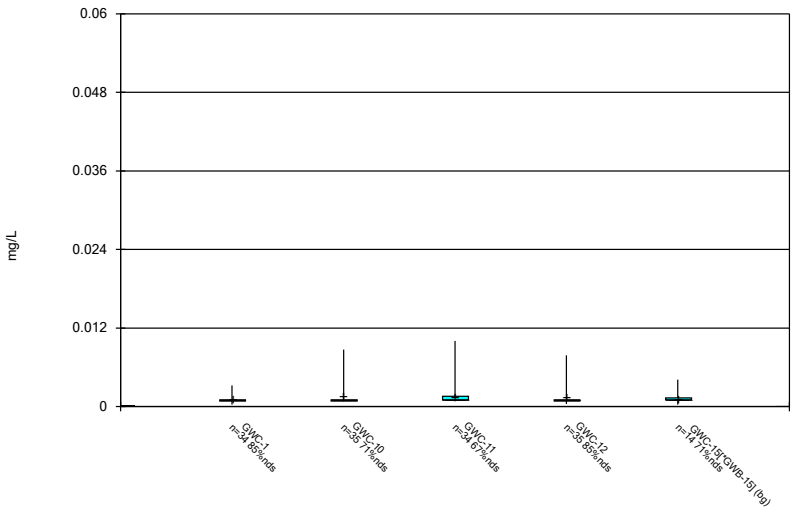


Constituent: Vanadium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Vanadium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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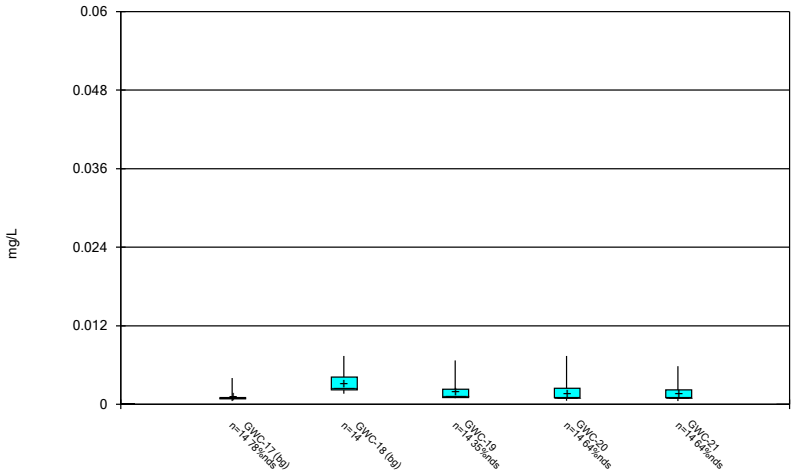
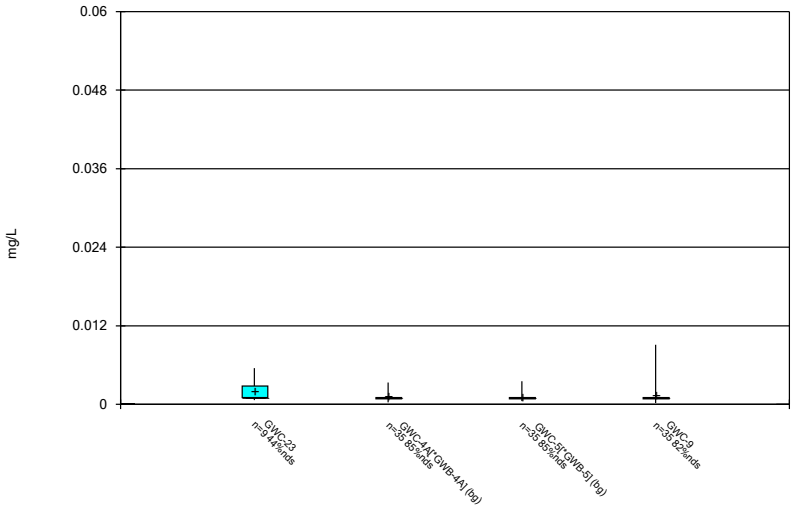


Constituent: Vanadium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

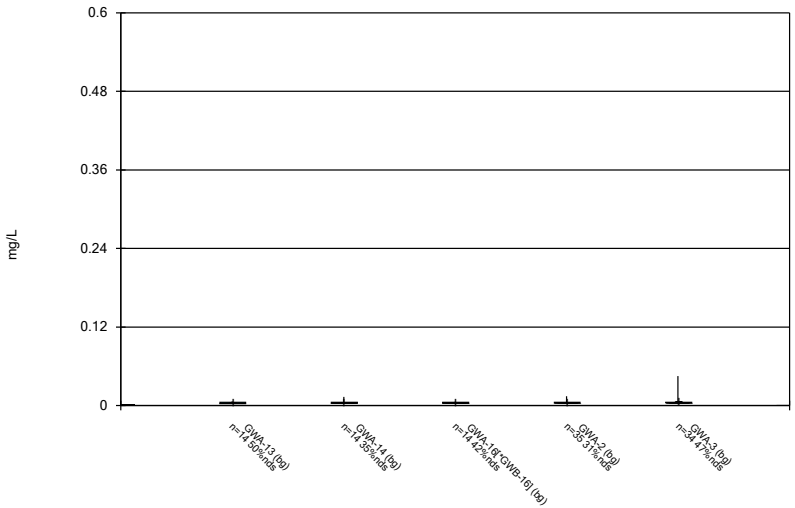
Box & Whiskers Plot



Constituent: Vanadium Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

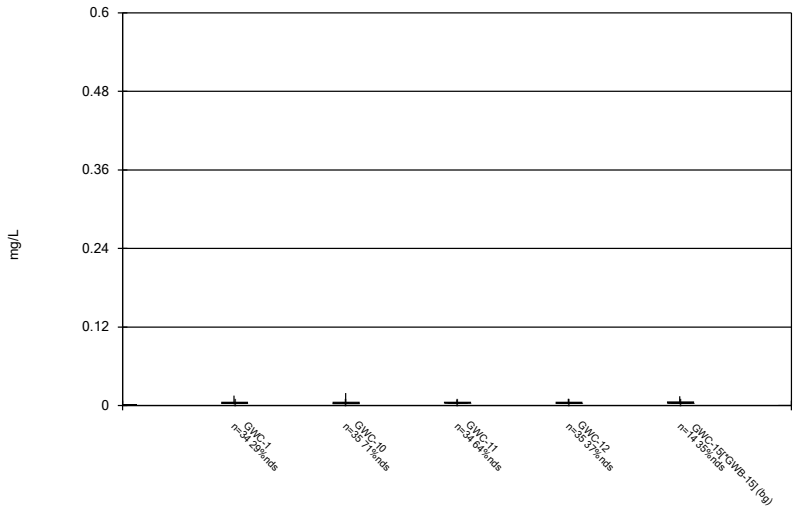


Constituent: Zinc Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

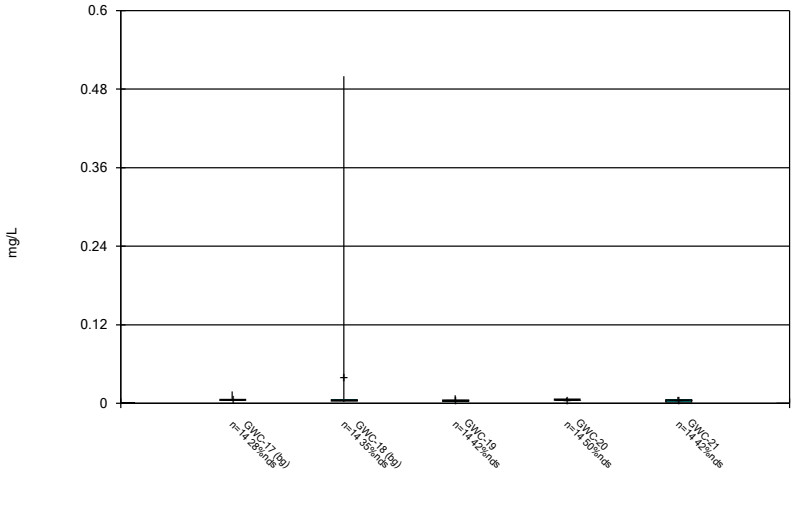


Constituent: Zinc Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot

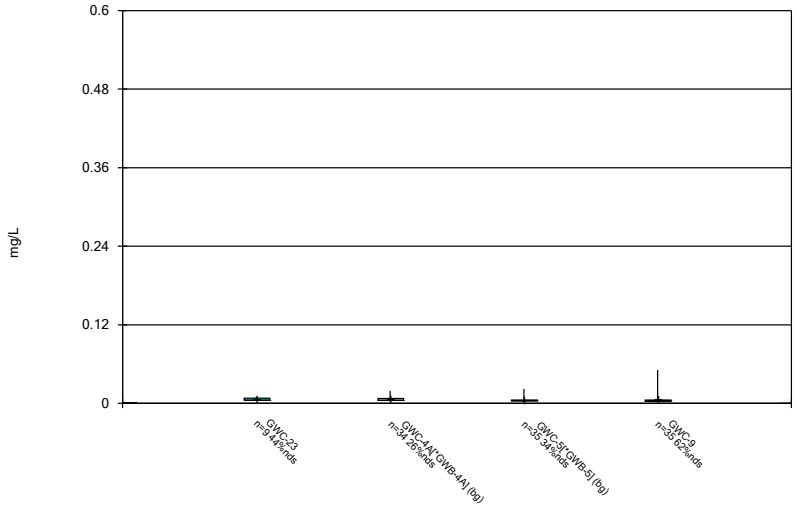


Constituent: Zinc Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Zinc Analysis Run 6/12/2020 11:12 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

FIGURE C.

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:14 AM

	GWA-3 Arsenic (mg/L)	GWA-3 Barium (mg/L)	GWC-11 Barium (mg/L)	GWC-5[*GWB-5] Barium (mg/L)	GWC-17 Beryllium (mg/L)	GWA-13 Chromium (mg/L)	GWA-2 Chromium (mg/L)	GWA-3 Chromium (mg/L)	GWC-1 Chromium (mg/L)	GWC-21 Chromium (mg/L)
8/25/2004										
9/11/2004										
12/7/2005										
7/6/2007		0.1 (O)								
6/20/2008										
12/7/2008		0.097 (O)	0.093 (O)						0.072 (O)	
1/5/2011	0.0089 (o)	0.21 (O)						0.077 (O)		
7/11/2012							0.0061 (O)			
1/19/2013										
1/14/2016										
4/20/2016					<0.003 (o)	<0.0025 (o)				
6/16/2016										
9/27/2016										0.35 (o)
1/24/2017				0.42 (o)						

	GWC-5[*GWB-5] Chromium (mg/L)	GWC-9 Chromium (mg/L)	GWA-3 Cobalt (mg/L)	GWC-21 Cobalt (mg/L)	GWA-3 Copper (mg/L)	GWC-21 Copper (mg/L)	GWA-3 Lead (mg/L)	GWC-9 Lead (mg/L)	GWA-3 Nickel (mg/L)	GWC-5[*GWB-5] Selenium (mg/L)
8/25/2004	0.22 (O)							0.0056 (o)		
9/11/2004									0.03 (O)	
12/7/2005										
7/6/2007										
6/20/2008										
12/7/2008										
1/5/2011			0.0066 (o)		0.014 (o)		0.014 (o)		0.025 (O)	
7/11/2012										
1/19/2013		0.0065 (o)								
1/14/2016						0.0064 (o)				
4/20/2016										
6/16/2016										
9/27/2016				0.015 (o)						
1/24/2017										0.025 (o)

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:14 AM

	GWC-18 Sulfate (mg/L)	GWC-23 Sulfate (mg/L)	GWA-3 Vanadium (mg/L)	GWC-11 Vanadium (mg/L)	GWA-3 Zinc (mg/L)	GWC-11 Zinc (mg/L)	GWC-4A[*GWB-4A] Zinc (mg/L)
8/25/2004							
9/11/2004							
12/7/2005							0.06 (O)
7/6/2007							
6/20/2008				0.0093 (o)			
12/7/2008						0.041 (O)	
1/5/2011			0.056 (O)		0.057 (O)		
7/11/2012							
1/19/2013							
1/14/2016							
4/20/2016							
6/16/2016	9 (O)	9.2 (o)					
9/27/2016							
1/24/2017							

FIGURE D.

State Parameters Intrawell Prediction Limits - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	**GWA-2**	**0.036**	**n/a**	**4/1/2020**	**0.037**	**Yes**	**14**	**0.00003138**	**0.000007789**	**0**	**None**	**x^3**	**0.0003901**	**Param Intra 1 of 3**
Chromium (mg/L)	**GWA-16[*GWB-16]**	**0.003104**	**n/a**	**4/1/2020**	**0.024**	**Yes**	**15**	**0.03555**	**0.01054**	**46.67**	**Kaplan-Meier**	**sqrt(x)**	**0.0003901**	**Param Intra 1 of 3**
Copper (mg/L)	**GWC-4A[*GWB-4A]**	**0.0025**	**n/a**	**3/31/2020**	**0.0051**	**Yes**	**31**	**n/a**	**n/a**	**96.77**	**n/a**	**n/a**	**0.0001701**	**NP Intra (NDs) 1 of 3**

State Parameters Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 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	3/31/2020	0.002ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-2	0.002	n/a	4/1/2020	0.0004	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.0022	n/a	4/1/2020	0.002ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.002	n/a	4/1/2020	0.002ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-13	0.001	n/a	3/31/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-14	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-16[*GWB-16]	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.001	n/a	4/1/2020	0.001ND	No	36	n/a	n/a	94.44	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0013	n/a	4/1/2020	0.00055	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	4/2/2020	0.0014	No	37	n/a	n/a	70.27	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.001	n/a	4/1/2020	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15[*GWB-15]	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-17	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001229	n/a	4/1/2020	0.00067	No	16	0.0008124	0.0002231	31.25	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-19	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-21	0.0022	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001734	n/a	4/1/2020	0.001ND	No	11	0.02695	0.006873	45.45	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-4A[*GWB-4A]	0.0027	n/a	3/31/2020	0.001ND	No	37	n/a	n/a	75.68	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5[*GWB-5]	0.0027	n/a	3/31/2020	0.001ND	No	39	n/a	n/a	94.87	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.001	n/a	4/1/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-13	0.01736	n/a	3/31/2020	0.015	No	16	0.01503	0.001248	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-14	0.018	n/a	4/1/2020	0.013	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWA-16[*GWB-16]	0.02941	n/a	4/1/2020	0.022	No	16	0.02437	0.002701	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	**GWA-2**	**0.036**	**n/a**	**4/1/2020**	**0.037**	**Yes**	**14**	**0.00003138**	**0.000007789**	**0**	**None**	**x^3**	**0.0003901**	**Param Intra 1 of 3**
Barium (mg/L)	GWA-3	0.02553	n/a	4/1/2020	0.014	No	34	0.1258	0.02092	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-1	0.05613	n/a	4/1/2020	0.041	No	18	0.04063	0.008527	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.03867	n/a	4/1/2020	0.035	No	37	-3.803	0.3426	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.026	n/a	4/2/2020	0.011	No	36	n/a	n/a	0	n/a	n/a	0.000111	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-12	0.01492	n/a	4/1/2020	0.0097	No	37	0.01205	0.001788	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-15[*GWB-15]	0.02811	n/a	4/1/2020	0.026	No	16	0.0247	0.001826	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-17	0.02102	n/a	4/1/2020	0.019	No	16	0.01799	0.001626	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.05567	n/a	4/1/2020	0.013	No	16	0.02955	0.01398	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.057	n/a	4/1/2020	0.013	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-20	0.04774	n/a	4/1/2020	0.016	No	16	-3.606	0.3019	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-21	0.02848	n/a	4/1/2020	0.018	No	16	-4.006	0.2397	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.08327	n/a	4/1/2020	0.024	No	11	0.05264	0.01433	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-4A[*GWB-4A]	0.03562	n/a	3/31/2020	0.017	No	37	0.02411	0.007165	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-5[*GWB-5]	0.06741	n/a	3/31/2020	0.044	No	19	0.04233	0.014	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.03144	n/a	4/1/2020	0.021	No	37	0.02404	0.004605	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWA-13	0.0025	n/a	3/31/2020	0.0025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-14	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-3	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-1	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.001	n/a	4/2/2020	0.00023	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-17	0.0006922	n/a	4/1/2020	0.00058	No	15	0.000572	0.00006281	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWC-18	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-20	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.0025	n/a	4/1/2020	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3

State Parameters Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 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-4A[*GWB-4A]	0.0025	n/a	3/31/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5[*GWB-5]	0.0025	n/a	3/31/2020	0.0025ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-13	0.0025	n/a	3/31/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-14	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-17	0.000773	n/a	4/1/2020	0.00048	No	16	0.0005946	0.00009557	0	None	No	0.0003901	Param Intra 1 of 3
Cadmium (mg/L)	GWC-18	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-19	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-20	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-21	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-23	0.0025	n/a	4/1/2020	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	3/31/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-13	0.0094	n/a	3/31/2020	0.0019	No	14	n/a	n/a	78.57	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-14	0.0047	n/a	4/1/2020	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWA-16[*GWB-16]**	**0.003104**	**n/a**	**4/1/2020**	**0.024**	**Yes**	**15**	**0.03555**	**0.01054**	**46.67**	**Kaplan-Meier**	**sqrt(x)**	**0.0003901**	**Param Intra 1 of 3**
Chromium (mg/L)	GWA-2	0.002707	n/a	4/1/2020	0.0017	No	36	0.03983	0.007574	22.22	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-3	0.002978	n/a	4/1/2020	0.002ND	No	36	-6.609	0.4922	33.33	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-1	0.005	n/a	4/1/2020	0.002ND	No	37	n/a	n/a	35.14	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-10	0.01	n/a	4/1/2020	0.0084	No	37	n/a	n/a	24.32	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-11	0.009367	n/a	4/2/2020	0.0055	No	37	0.005969	0.002115	2.703	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-12	0.01	n/a	4/1/2020	0.0019	No	37	n/a	n/a	21.62	n/a	n/a	0.0001035	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-15[*GWB-15]	0.0051	n/a	4/1/2020	0.0015	No	15	n/a	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-17	0.01	n/a	4/1/2020	0.0032	No	15	n/a	n/a	33.33	n/a	n/a	0.001313	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-18	0.004525	n/a	4/1/2020	0.0025	No	15	-6.131	0.3833	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-19	0.00396	n/a	4/1/2020	0.0018	No	15	-6.281	0.3916	13.33	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-20	0.005	n/a	4/1/2020	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.0044	n/a	4/1/2020	0.002ND	No	14	n/a	n/a	85.71	n/a	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-23	0.0025	n/a	4/1/2020	0.0022	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-4A[*GWB-4A]	0.0096	n/a	3/31/2020	0.002ND	No	37	n/a	n/a	67.57	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5[*GWB-5]	0.0054	n/a	3/31/2020	0.002ND	No	38	n/a	n/a	65.79	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-9	0.0043	n/a	4/1/2020	0.002ND	No	36	n/a	n/a	63.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-13	0.002313	n/a	3/31/2020	0.00034	No	16	0.0307	0.009318	12.5	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-14	0.0025	n/a	4/1/2020	0.00033	No	16	n/a	n/a	43.75	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWA-16[*GWB-16]	0.001798	n/a	4/1/2020	0.00036	No	16	-7.257	0.5015	6.25	None	ln(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-2	0.01	n/a	4/1/2020	0.0013	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0025	n/a	4/1/2020	0.00024	No	36	n/a	n/a	88.89	n/a	n/a	0.000111	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-1	0.0025	n/a	4/1/2020	0.0016	No	37	n/a	n/a	51.35	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.0025	n/a	4/1/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.0071	n/a	4/2/2020	0.0025ND	No	37	n/a	n/a	81.08	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.012	n/a	4/1/2020	0.00051	No	37	n/a	n/a	54.05	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	4/1/2020	0.00036	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-17	0.002397	n/a	4/1/2020	0.00023	No	16	0.001142	0.0006723	12.5	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-18	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.0025	n/a	4/1/2020	0.0025ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-20	0.007687	n/a	4/1/2020	0.00094	No	16	0.003524	0.00223	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-21	0.002328	n/a	4/1/2020	0.00088	No	15	0.001647	0.0003563	6.667	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-23	0.01056	n/a	4/1/2020	0.0037	No	11	0.006409	0.001944	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-4A[*GWB-4A]	0.013	n/a	3/31/2020	0.0038	No	37	n/a	n/a	59.46	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5[*GWB-5]	0.011	n/a	3/31/2020	0.00067	No	39	n/a	n/a	51.28	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.0055	n/a	4/1/2020	0.00042	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-13	0.002	n/a	3/31/2020	0.002ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-14	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-16[*GWB-16]	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-2	0.003	n/a	4/1/2020	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.0034	n/a	4/1/2020	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3

State Parameters Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-1	0.002	n/a	4/1/2020	0.002ND	No	30	n/a	n/a	100	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.0027	n/a	4/2/2020	0.0013	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.002	n/a	4/1/2020	0.002ND	No	31	n/a	n/a	100	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15[*GWB-15]	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.0021	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-18	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-19	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.002	n/a	4/1/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-21	0.002	n/a	4/1/2020	0.002ND	No	9	n/a	n/a	77.78	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	n/a	4/1/2020	0.002ND	No	5	n/a	n/a	80	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	**GWC-4A[*GWB-4A]**	**0.0025**	**n/a**	**3/31/2020**	**0.0051**	**Yes**	**31**	**n/a**	**n/a**	**96.77**	**n/a**	**n/a**	**0.0001701**	**NP Intra (NDs) 1 of 3**
Copper (mg/L)	GWC-5[*GWB-5]	0.0021	n/a	3/31/2020	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0021	n/a	4/1/2020	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-13	0.001	n/a	3/31/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-14	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-16[*GWB-16]	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.001	n/a	4/2/2020	0.00025	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-21	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-23	0.001	n/a	4/1/2020	0.001ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-4A[*GWB-4A]	0.0013	n/a	3/31/2020	0.00024	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5[*GWB-5]	0.001	n/a	3/31/2020	0.001ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-13	0.001	n/a	3/31/2020	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-14	0.0025	n/a	4/1/2020	0.00043	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-16[*GWB-16]	0.001	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-2	0.0043	n/a	4/1/2020	0.00077	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.001	n/a	4/1/2020	0.001ND	No	29	n/a	n/a	100	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-1	0.0025	n/a	4/1/2020	0.00099	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-10	0.0013	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.0049	n/a	4/2/2020	0.0009	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.0057	n/a	4/1/2020	0.0008	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-15[*GWB-15]	0.001	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-17	0.004116	n/a	4/1/2020	0.0016	No	10	0.00261	0.0006773	10	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-18	0.0021	n/a	4/1/2020	0.00095	No	10	0.001687	0.0001857	50	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-19	0.002889	n/a	4/1/2020	0.0014	No	10	0.0019	0.0004447	0	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-20	0.006567	n/a	4/1/2020	0.001	No	10	0.003595	0.001337	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-21	0.0025	n/a	4/1/2020	0.00067	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-23	0.004782	n/a	4/1/2020	0.0013	No	5	0.001907	0.0006403	20	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-4A[*GWB-4A]	0.0072	n/a	3/31/2020	0.0028	No	31	n/a	n/a	74.19	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5[*GWB-5]	0.0031	n/a	3/31/2020	0.001ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.0033	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-13	0.005	n/a	3/31/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-16[*GWB-16]	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-2	0.005	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-3	0.005	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-1	0.005	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-10	0.005	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.005	n/a	4/2/2020	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-15[*GWB-15]	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-18	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-19	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-20	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-21	0.005	n/a	4/1/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-4A[*GWB-4A]	0.005	n/a	3/31/2020	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5[*GWB-5]	0.005	n/a	3/31/2020	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3

State Parameters Intrawell Prediction Limits - All Results

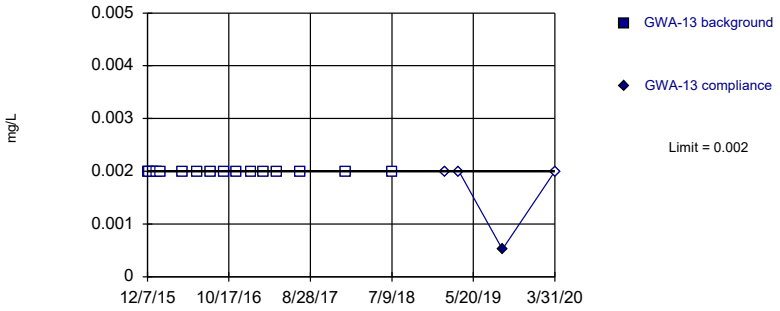
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:38 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-9	0.0058	n/a	4/1/2020	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.001	n/a	4/2/2020	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-13	0.001	n/a	3/31/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-14	0.0005	n/a	4/1/2020	0.00018	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-16[*GWB-16]	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-2	0.001	n/a	4/1/2020	0.00017	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-10	0.0005	n/a	4/1/2020	0.00031	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-11	0.001	n/a	4/2/2020	0.00028	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-12	0.001	n/a	4/1/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-17	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-18	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) 1 of 3
Thallium (mg/L)	GWC-19	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-20	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-21	0.001	n/a	4/1/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-23	0.001	n/a	4/1/2020	0.001ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	3/31/2020	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5[*GWB-5]	0.001	n/a	3/31/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.001	n/a	4/1/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-13	0.0018	n/a	3/31/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-14	0.001	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-16[*GWB-16]	0.0015	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-2	0.0051	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.005	n/a	4/1/2020	0.001ND	No	30	n/a	n/a	83.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-1	0.0032	n/a	4/1/2020	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.0087	n/a	4/1/2020	0.0012	No	31	n/a	n/a	80.65	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	4/2/2020	0.0016	No	30	n/a	n/a	73.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.0075	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15[*GWB-15]	0.0017	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-17	0.001	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-18	0.005391	n/a	4/1/2020	0.0024	No	10	0.00283	0.001152	0	None	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-19	0.006157	n/a	4/1/2020	0.001ND	No	10	0.1199	0.02849	20	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-20	0.0074	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-21	0.0058	n/a	4/1/2020	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-23	0.006305	n/a	4/1/2020	0.001ND	No	5	0.001498	0.001071	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-4A[*GWB-4A]	0.0033	n/a	3/31/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5[*GWB-5]	0.0035	n/a	3/31/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0091	n/a	4/1/2020	0.001ND	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-13	0.00446	n/a	3/31/2020	0.005ND	No	10	0.003017	0.0006491	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-14	0.01002	n/a	4/1/2020	0.005ND	No	10	-5.575	0.437	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-16[*GWB-16]	0.005037	n/a	4/1/2020	0.005ND	No	10	0.003817	0.000549	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	n/a	4/1/2020	0.0066	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWA-3	0.045	n/a	4/1/2020	0.005ND	No	30	n/a	n/a	43.33	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-1	0.02	n/a	4/1/2020	0.0046	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-10	0.019	n/a	4/1/2020	0.005ND	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.02	n/a	4/2/2020	0.0049	No	30	n/a	n/a	66.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005828	n/a	4/1/2020	0.005ND	No	31	0.1507	0.01782	32.26	Kaplan-Meier	x^(1/3)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-15[*GWB-15]	0.01135	n/a	4/1/2020	0.005ND	No	10	-5.422	0.4242	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-17	0.02	n/a	4/1/2020	0.005	No	10	n/a	n/a	30	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-18	0.01755	n/a	4/1/2020	0.005ND	No	10	-5.696	0.7436	30	Kaplan-Meier	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-19	0.009538	n/a	4/1/2020	0.005ND	No	10	0.05943	0.01719	40	Kaplan-Meier	sqrt(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-20	0.008421	n/a	4/1/2020	0.005ND	No	10	0.004843	0.001609	40	Kaplan-Meier	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-21	0.02	n/a	4/1/2020	0.0032	No	10	n/a	n/a	50	n/a	n/a	0.00344	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-23	0.02	n/a	4/1/2020	0.0033	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-4A[*GWB-4A]	0.02	n/a	3/31/2020	0.013	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-5[*GWB-5]	0.017	n/a	3/31/2020	0.005ND	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-9	0.0077	n/a	4/1/2020	0.005ND	No	31	n/a	n/a	64.52	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



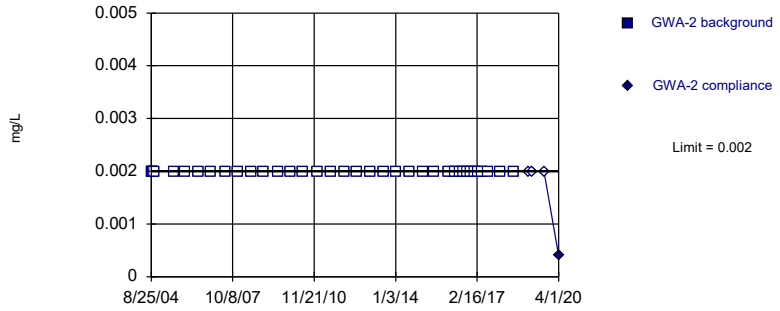
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



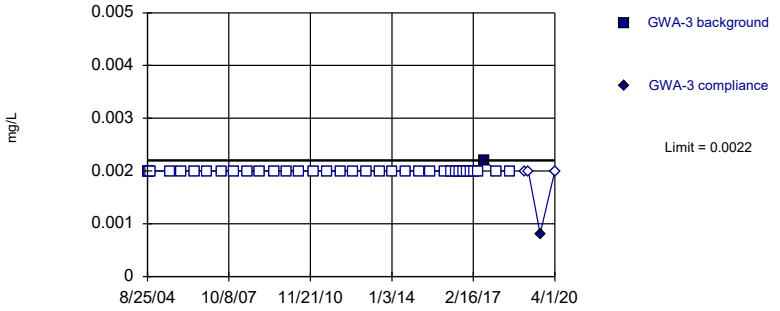
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Antimony Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



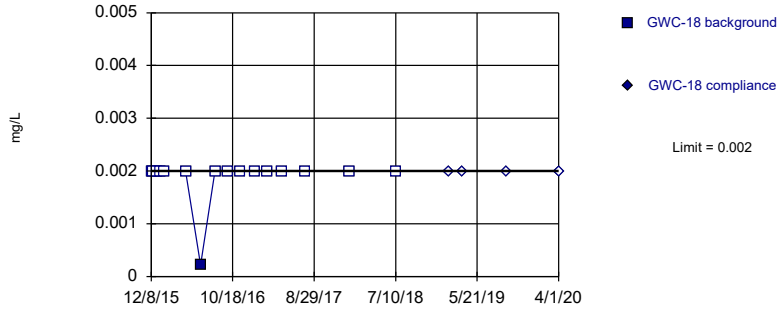
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Antimony Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

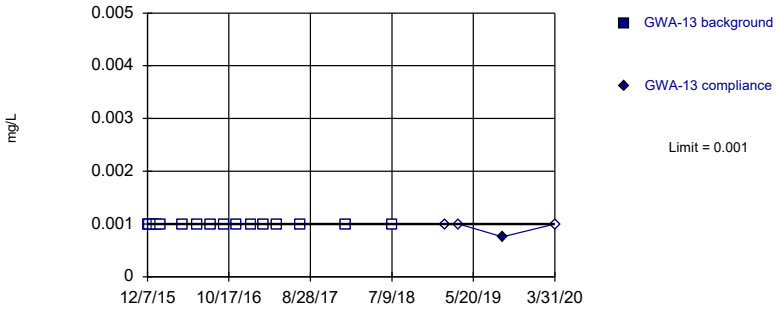
Constituent: Antimony Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

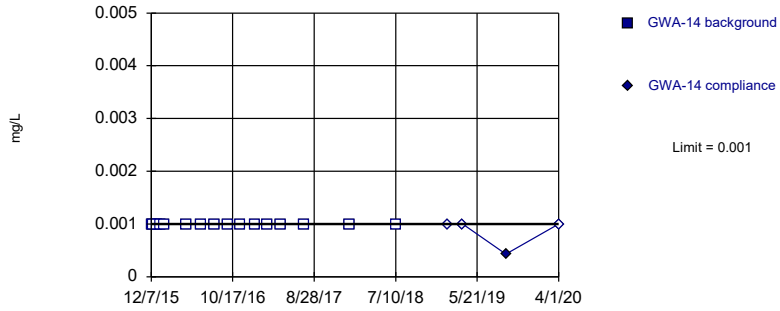
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

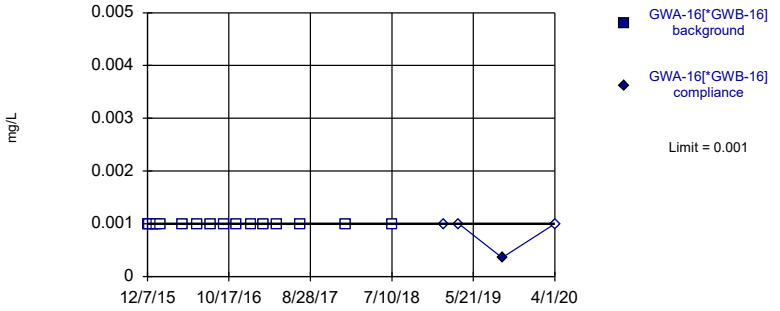
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

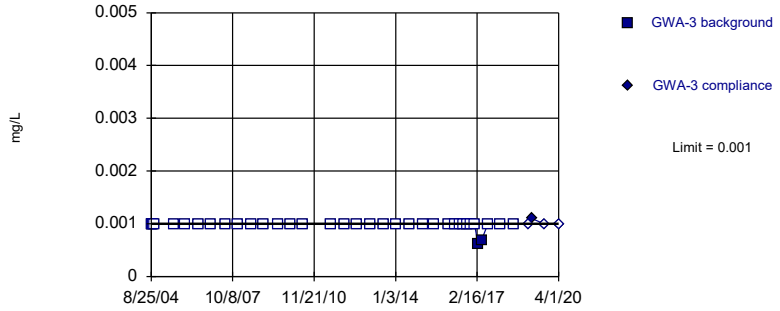
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



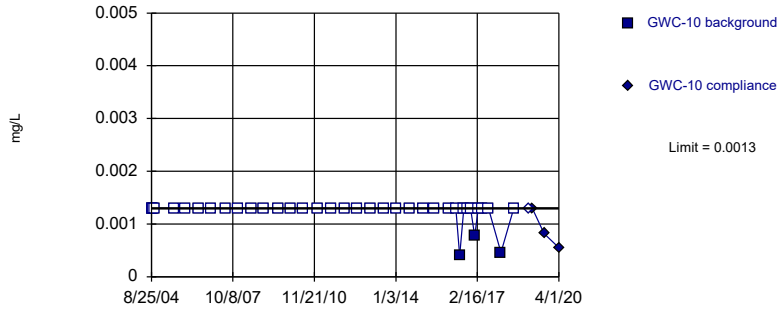
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



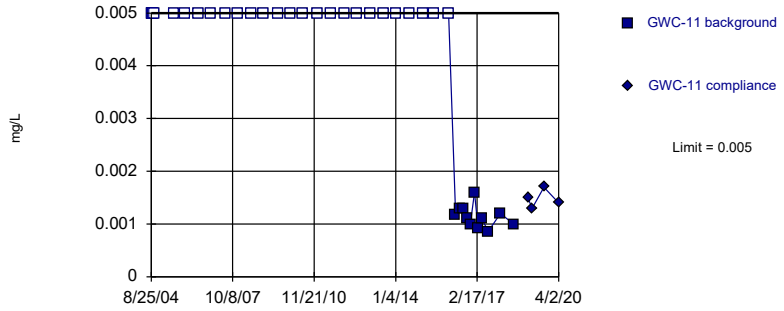
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



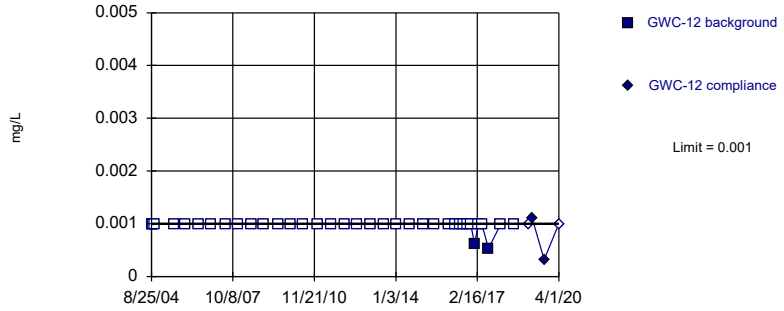
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 70.27% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



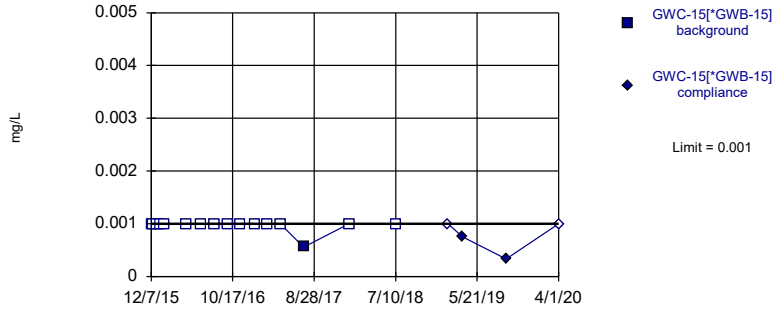
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

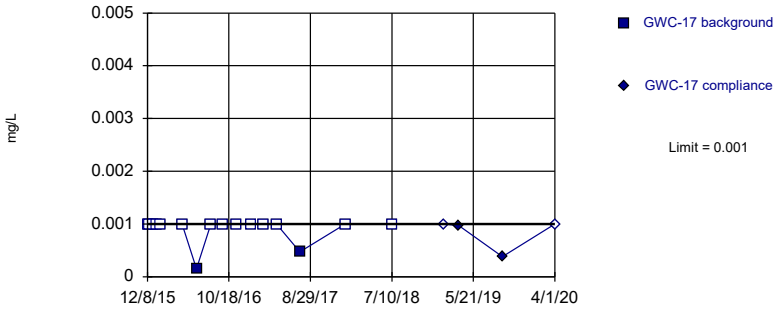
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

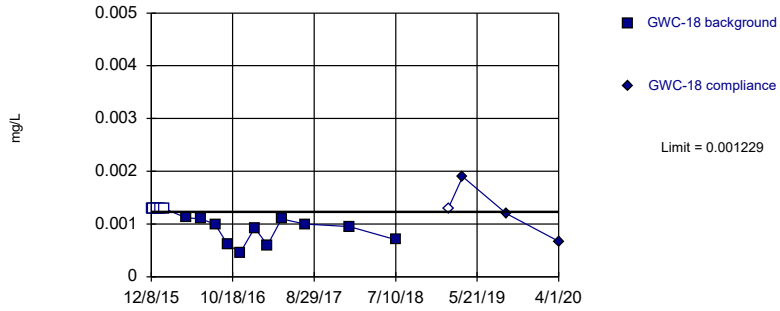
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0008124, Std. Dev.=0.0002231, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

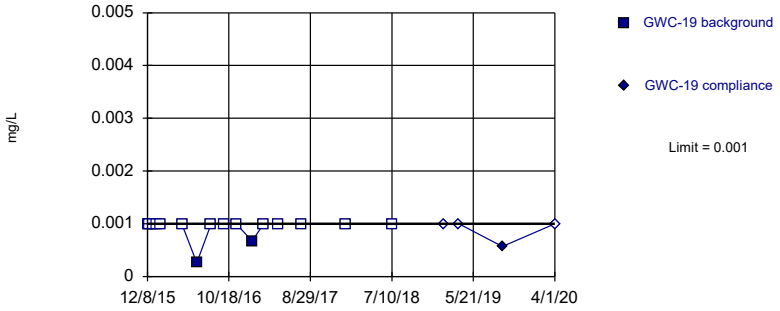
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

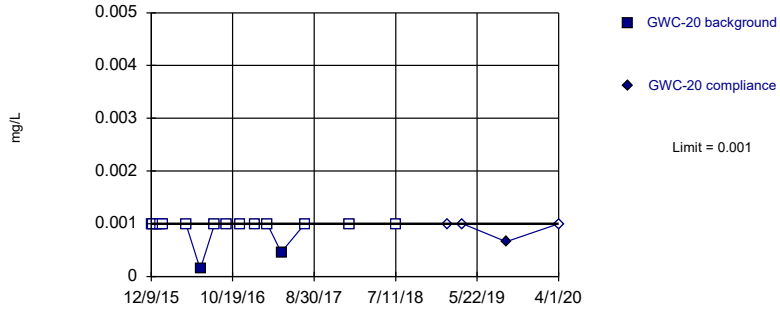
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

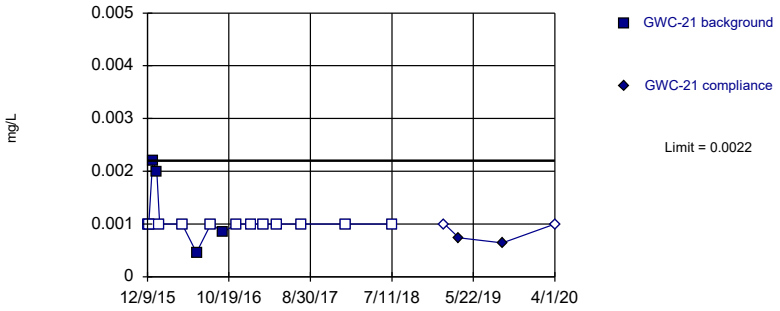
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

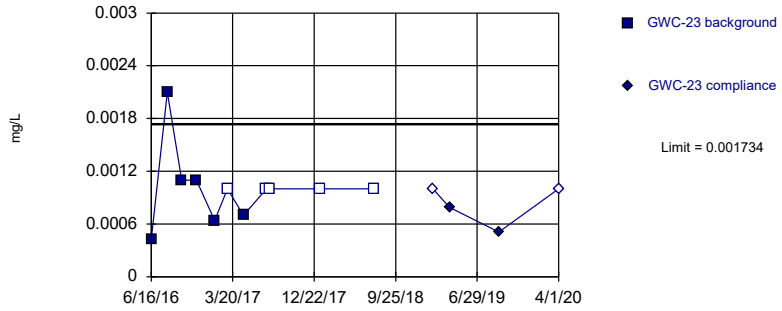
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=0.02695, Std. Dev.=0.006873, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8486, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

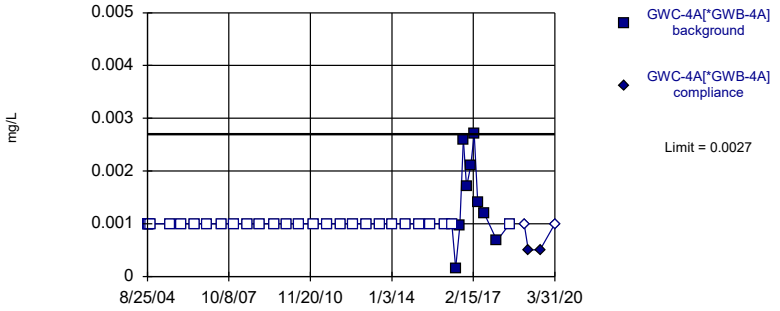
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

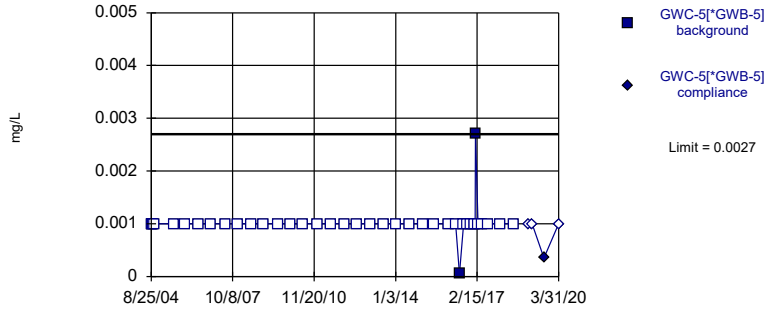
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 94.87% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

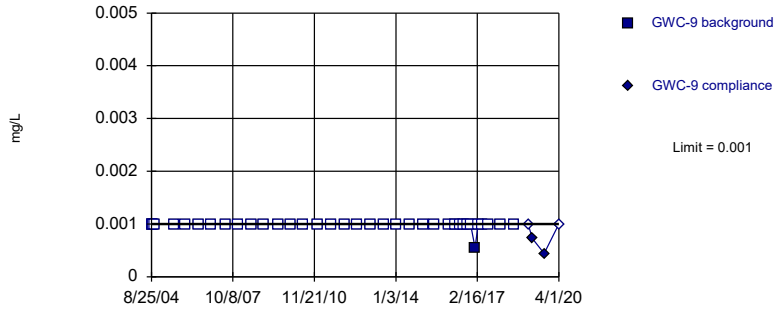
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

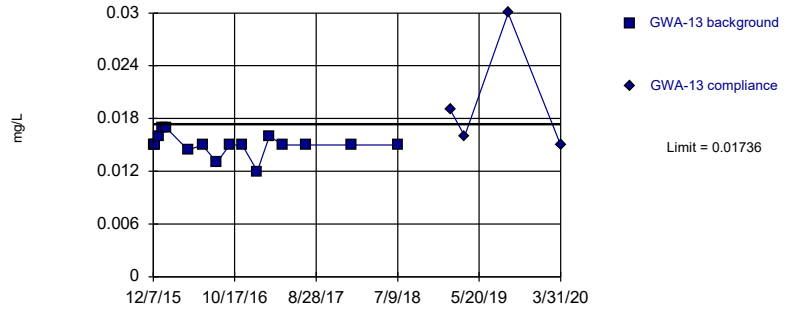
Constituent: Arsenic Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01503, Std. Dev.=0.001248, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8447, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

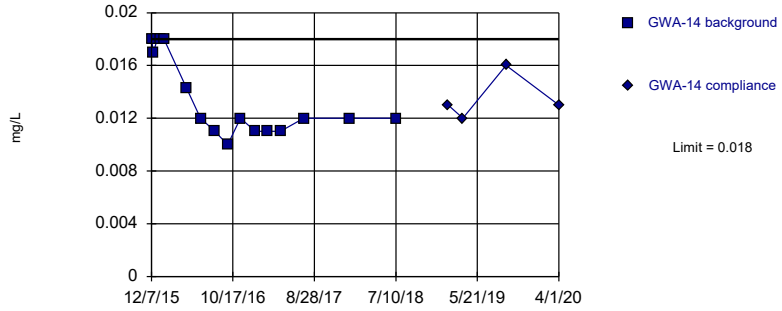
Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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 16 background values. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

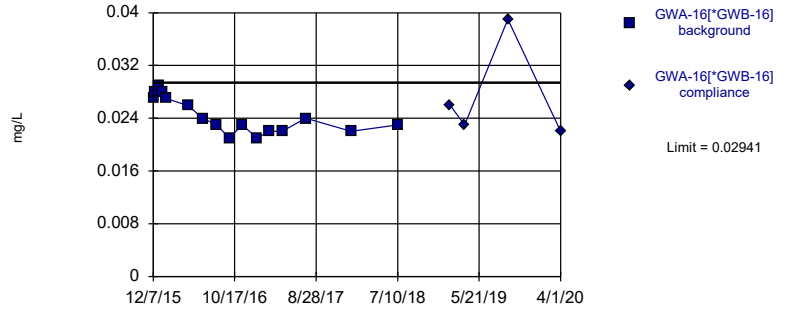
Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



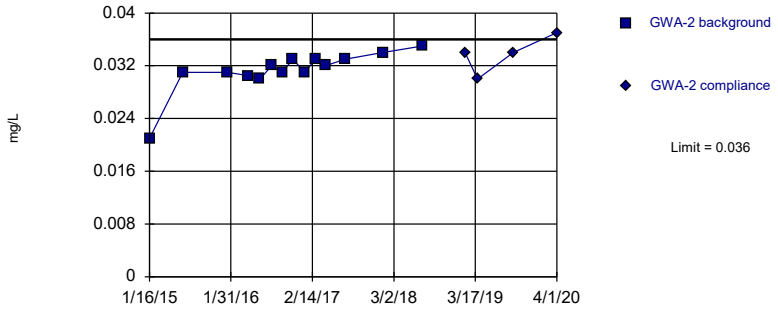
Background Data Summary: Mean=0.02437, Std. Dev.=0.002701, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8999, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Exceeds Limit

Prediction Limit

Intrawell Parametric



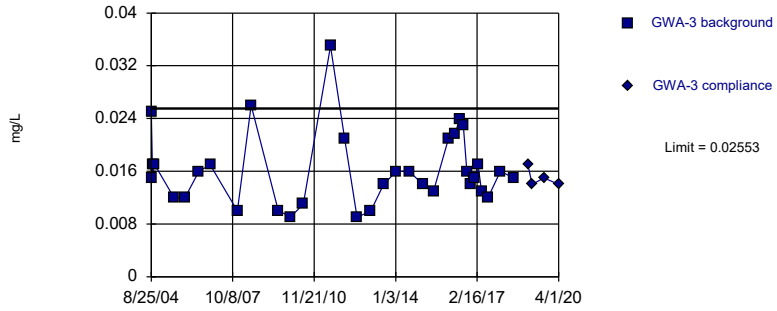
Background Data Summary (based on cube transformation): Mean=0.00003138, Std. Dev.=0.000007789, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8408, critical = 0.825. Kappa = 1.959 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



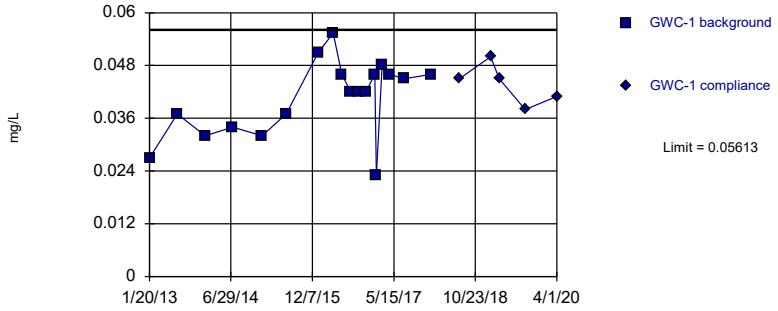
Background Data Summary (based on square root transformation): Mean=0.1258, Std. Dev.=0.02092, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.908. Kappa = 1.623 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



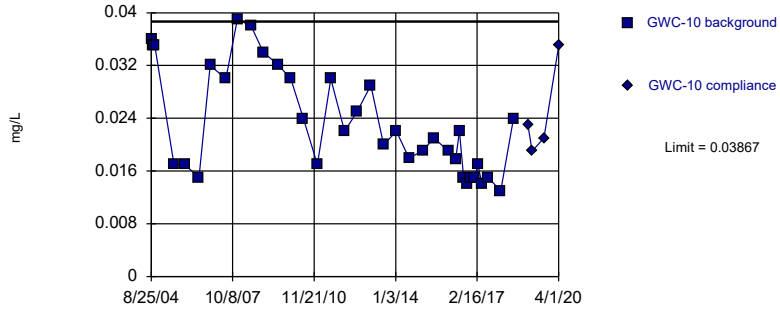
Background Data Summary: Mean=0.04063, Std. Dev.=0.008527, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.858. Kappa = 1.817 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



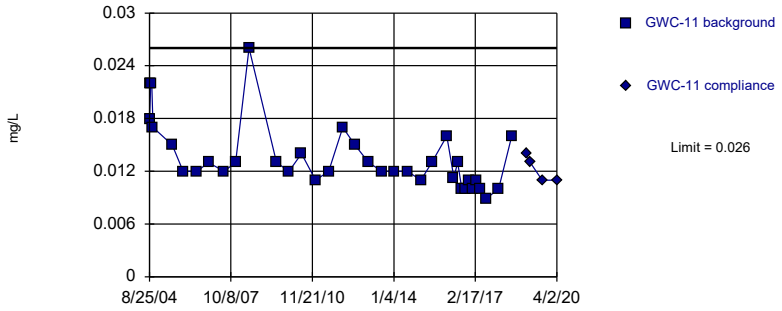
Background Data Summary (based on natural log transformation): Mean=-3.803, Std. Dev.=0.3426, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

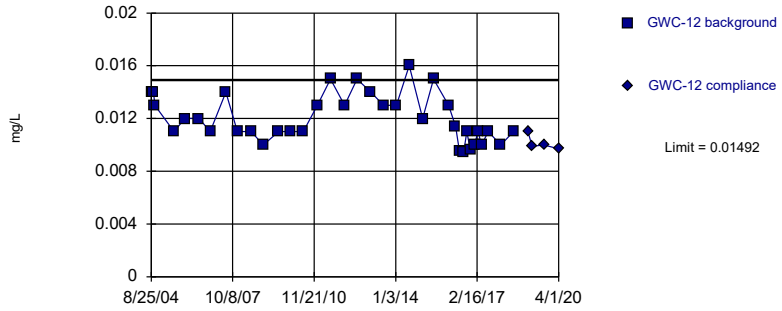
Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01205, Std. Dev.=0.001788, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9235, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

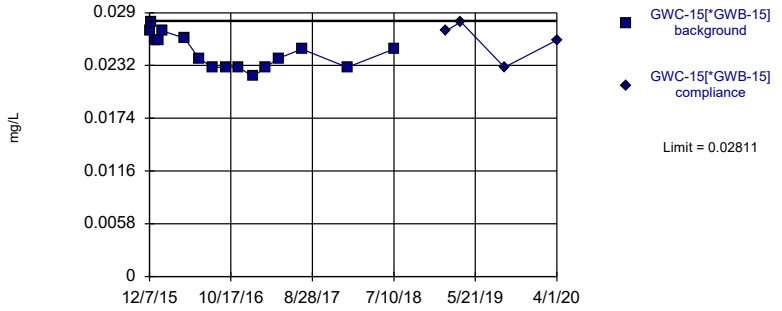
Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0247, Std. Dev.=0.001826, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9229, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

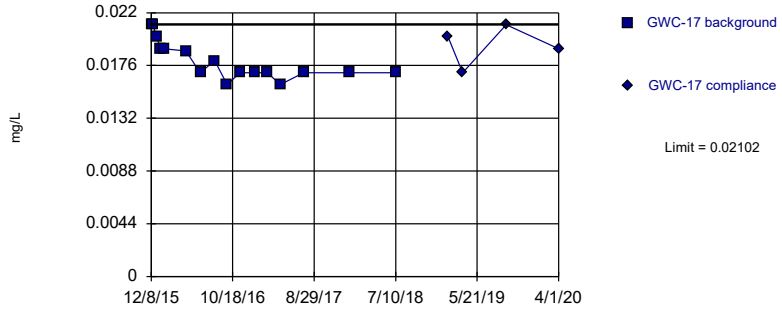
Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



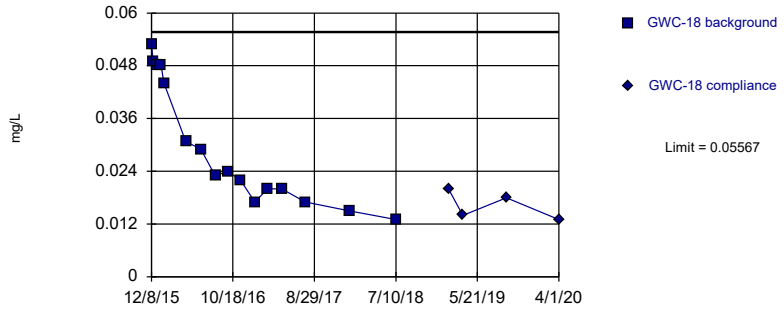
Background Data Summary: Mean=0.01799, Std. Dev.=0.001626, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8624, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



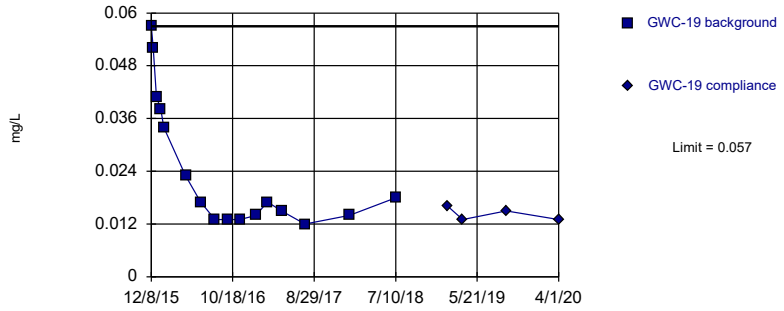
Background Data Summary: Mean=0.02955, Std. Dev.=0.01398, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8601, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



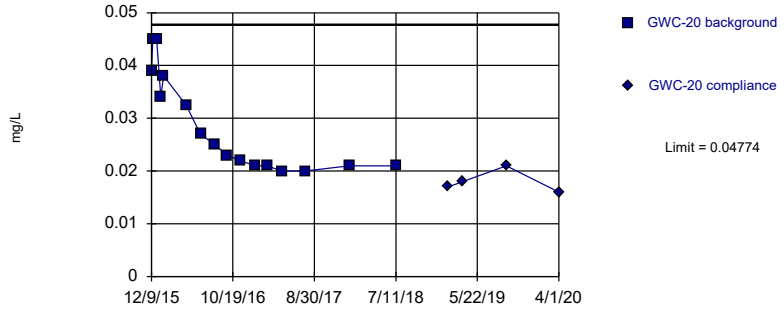
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



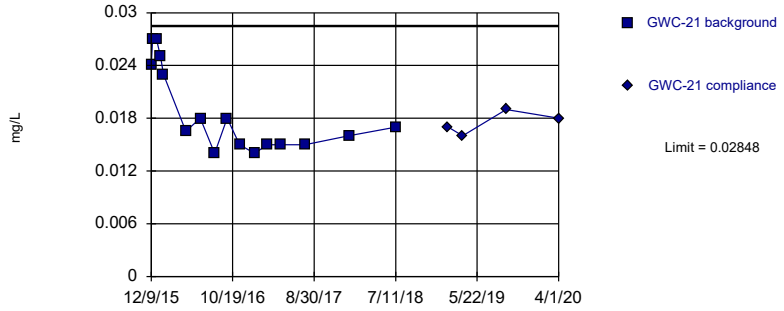
Background Data Summary (based on natural log transformation): Mean=-3.606, Std. Dev.=0.3019, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8457, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



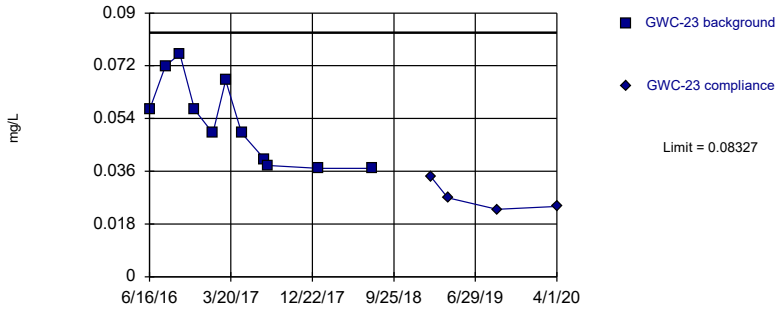
Background Data Summary (based on natural log transformation): Mean=-4.006, Std. Dev.=0.2397, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8501, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.05264, Std. Dev.=0.01433, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8994, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

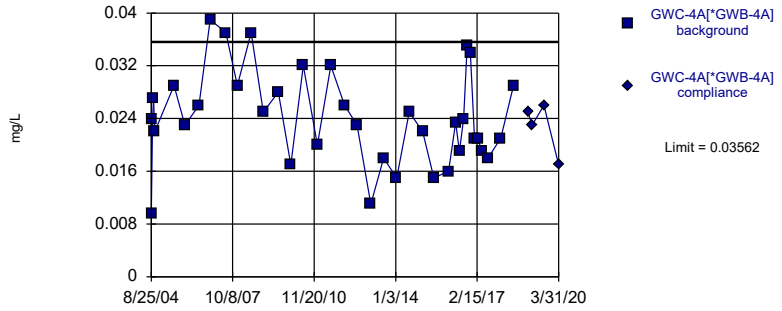
Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02411, Std. Dev.=0.007165, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9779, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

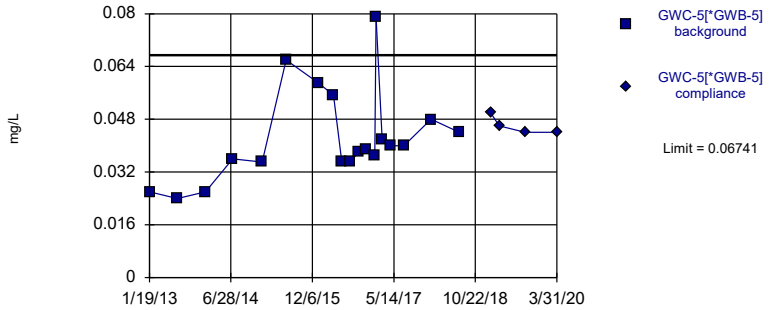
Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04233, Std. Dev.=0.014, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8921, critical = 0.863. Kappa = 1.792 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

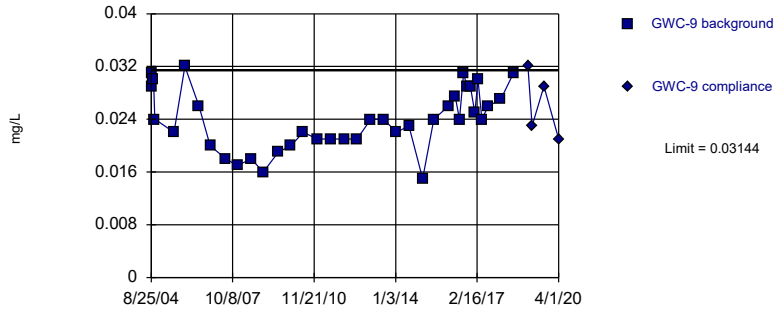
Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



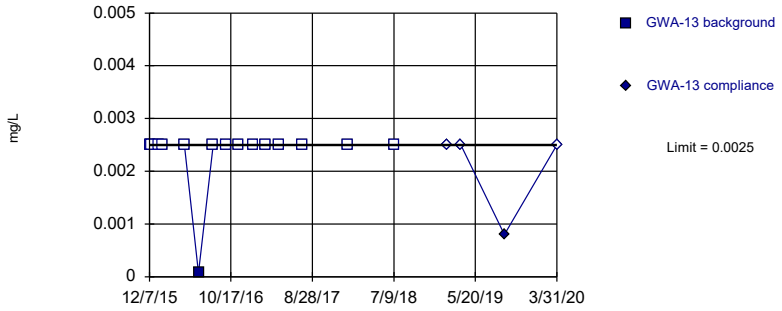
Background Data Summary: Mean=0.02404, Std. Dev.=0.004605, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9616, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 6/12/2020 9:31 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



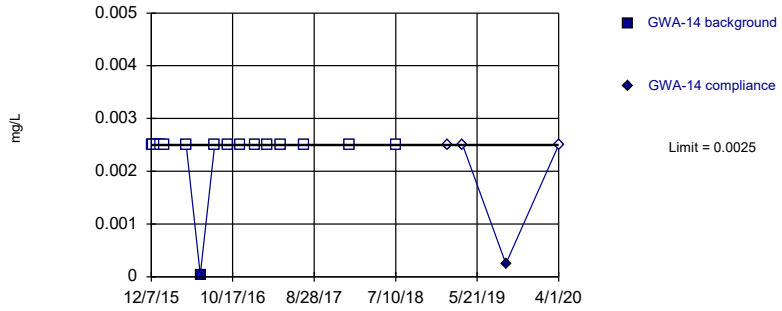
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



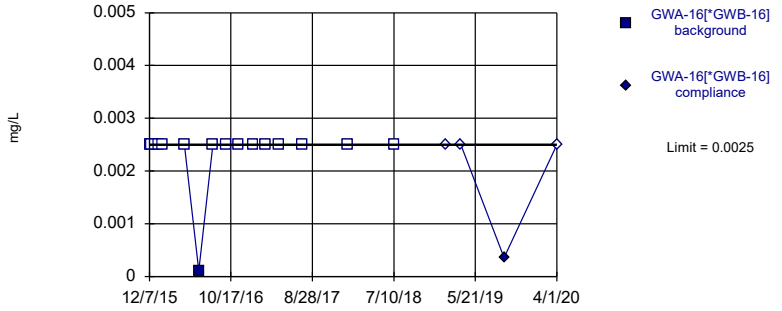
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



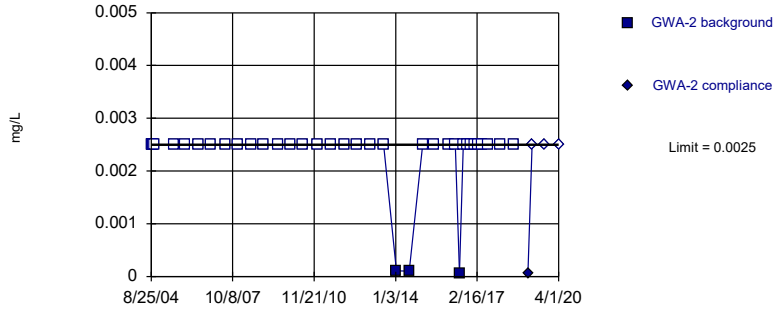
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



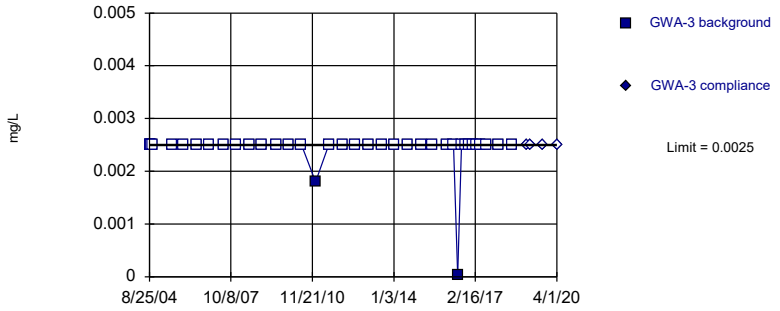
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



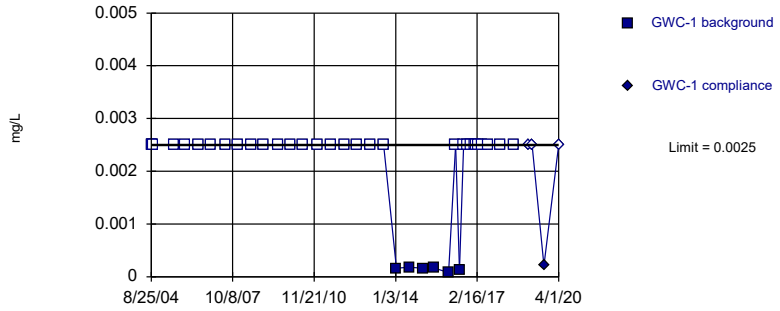
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



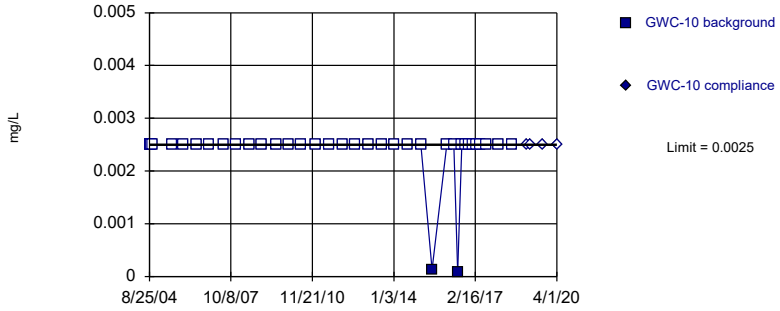
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



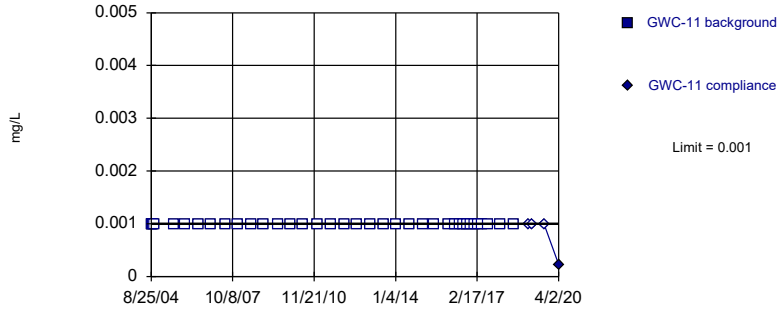
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

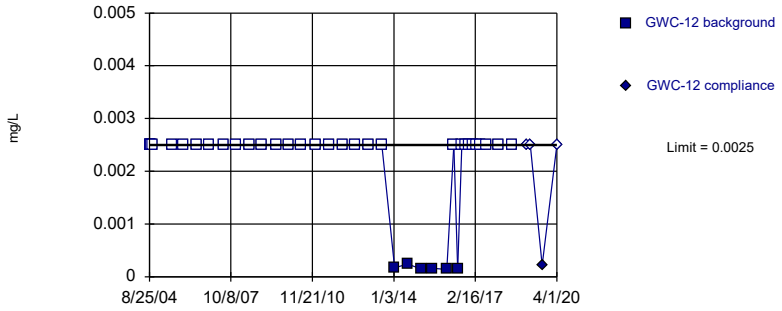
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

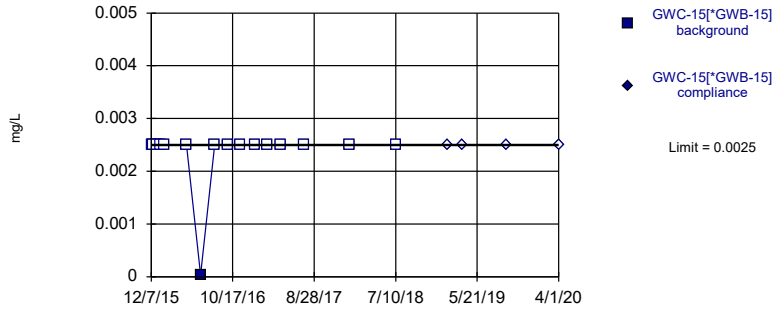
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

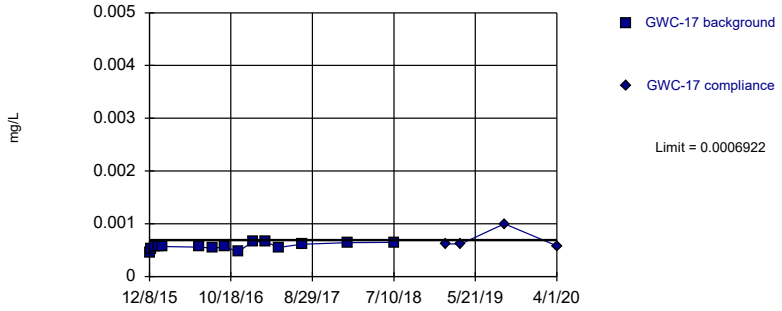
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.000572, Std. Dev.=0.00006281, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9284, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

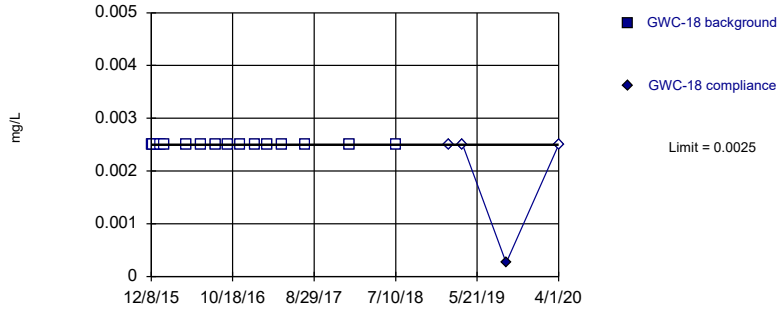
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

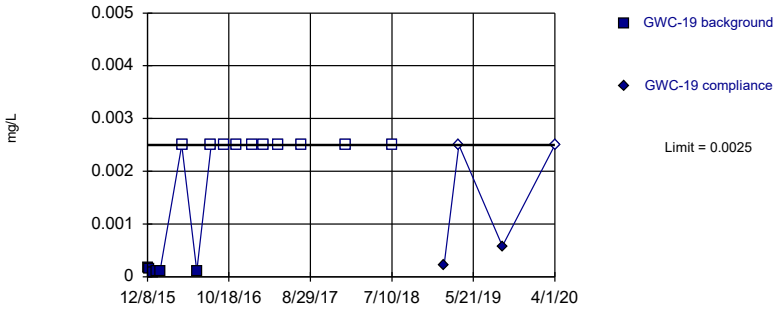
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

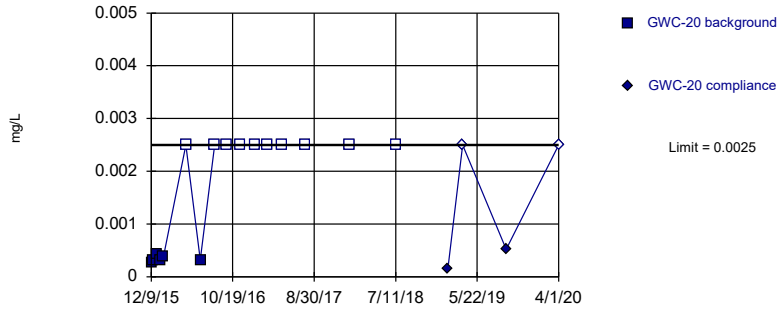
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

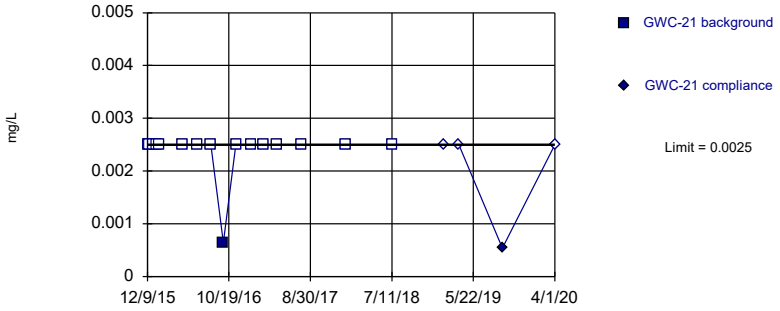
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

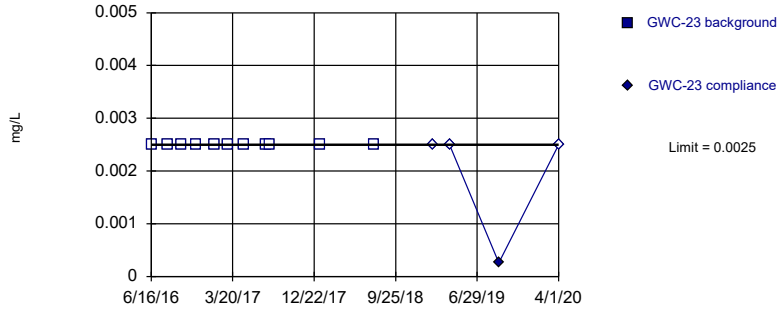
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

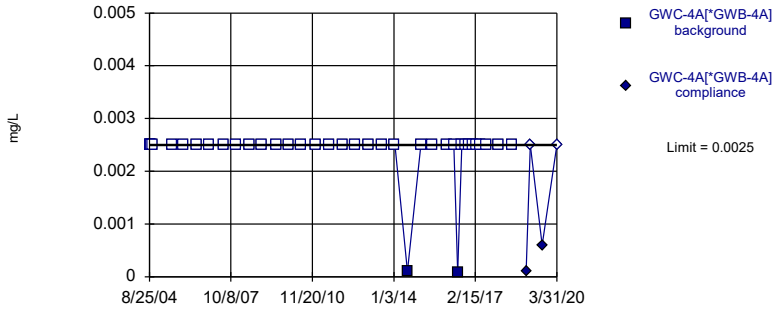
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

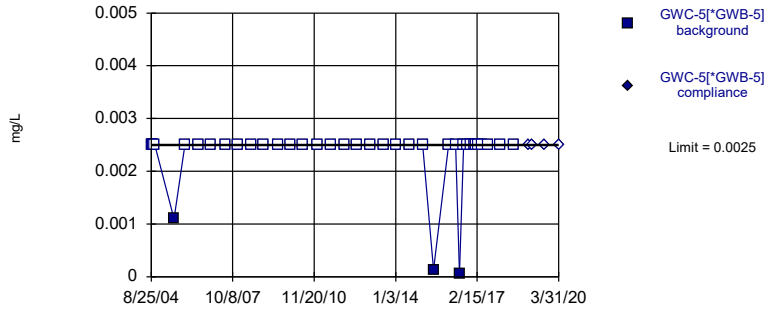
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

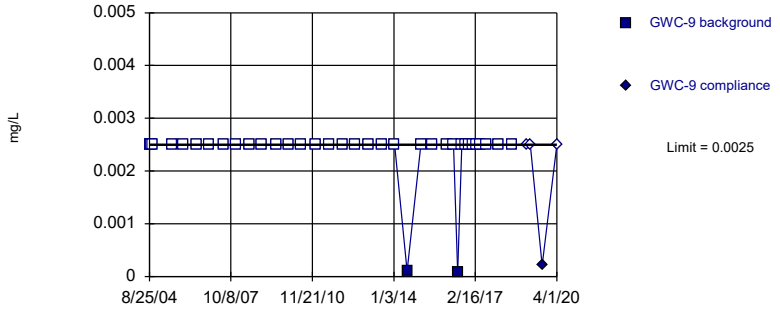
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

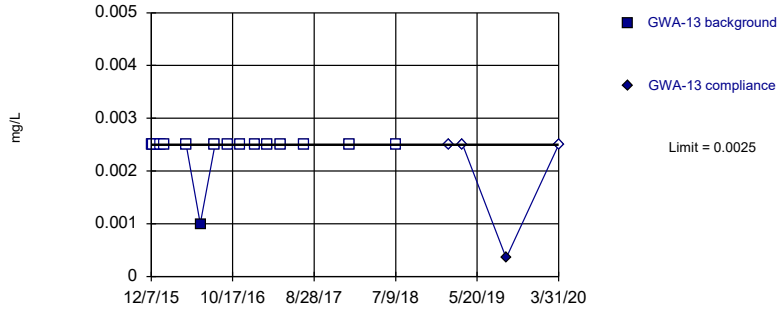
Constituent: Beryllium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

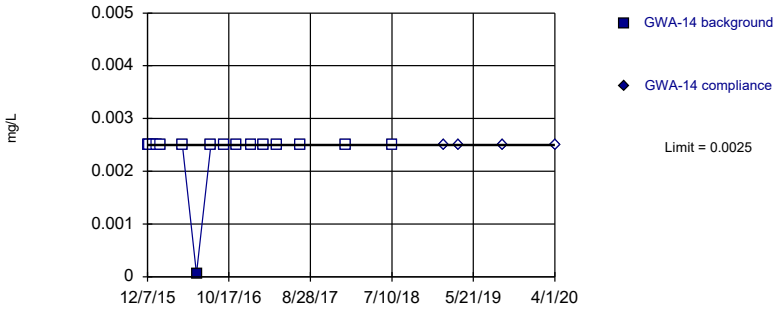
Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

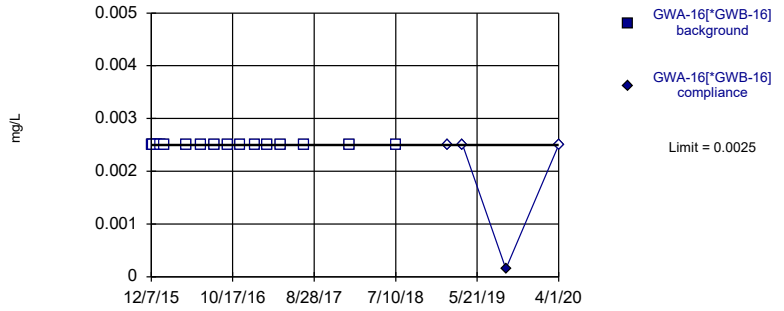
Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

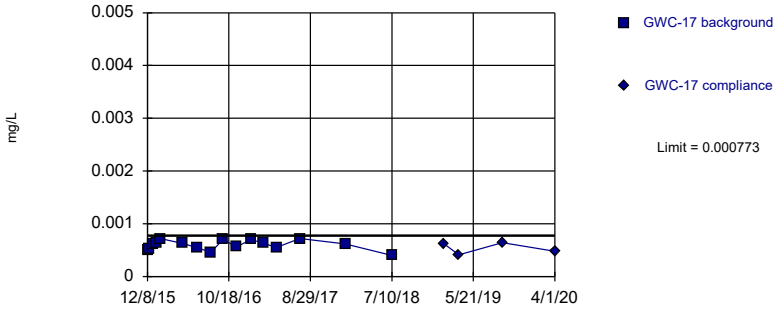
Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0005946, Std. Dev.=0.00009557, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9467, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

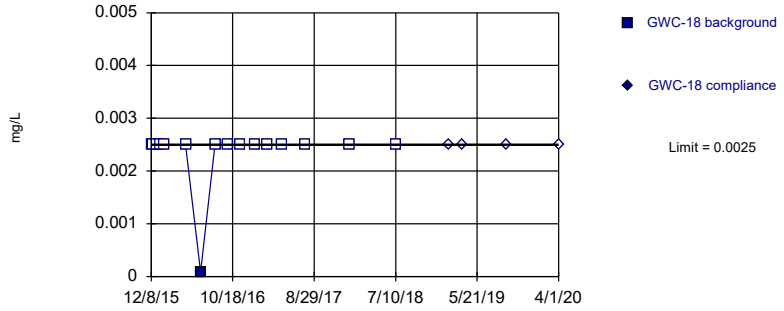
Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



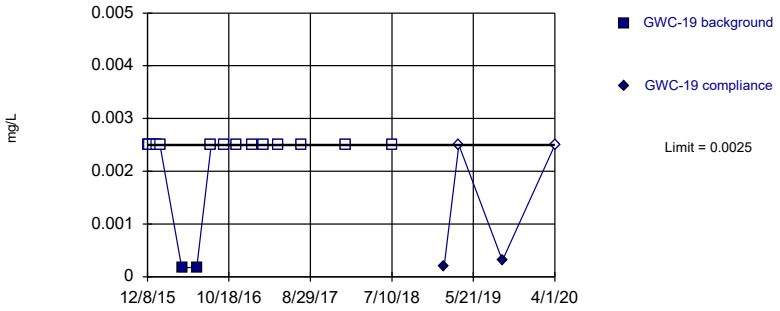
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



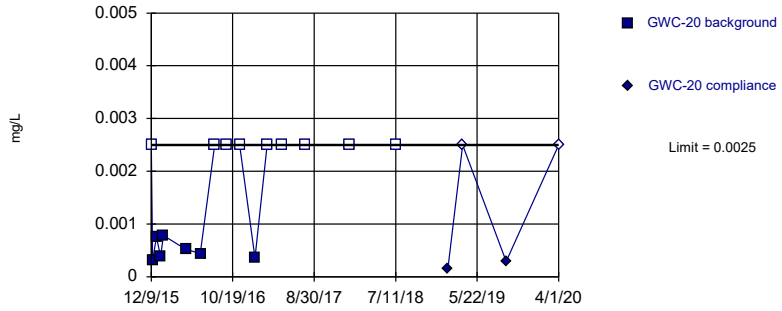
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



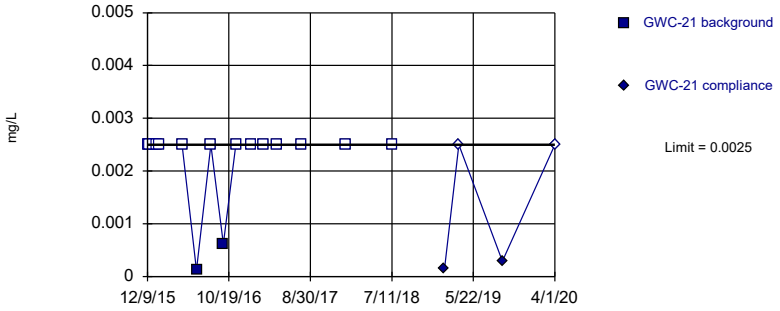
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



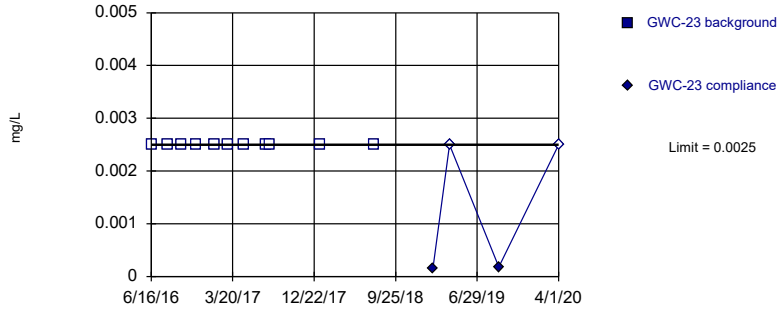
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

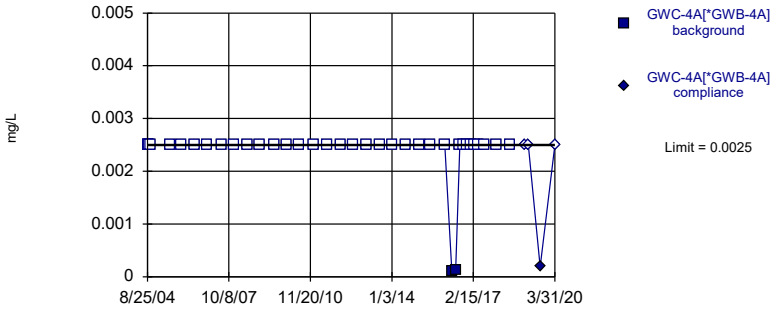
Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

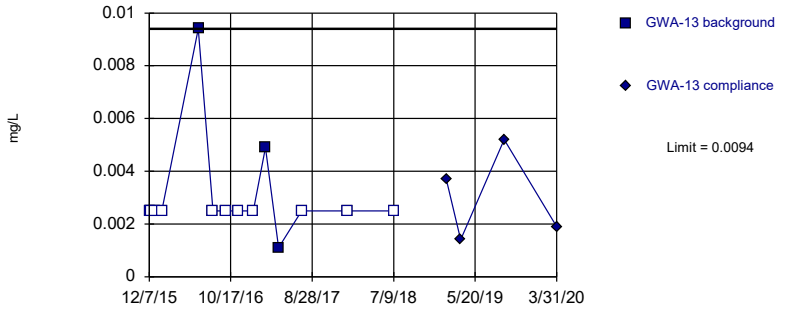
Constituent: Cadmium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

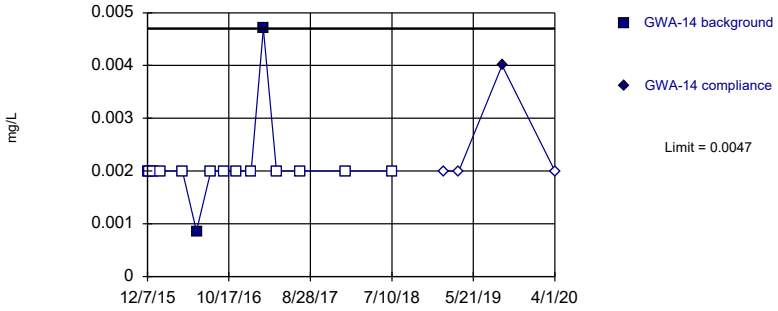
Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

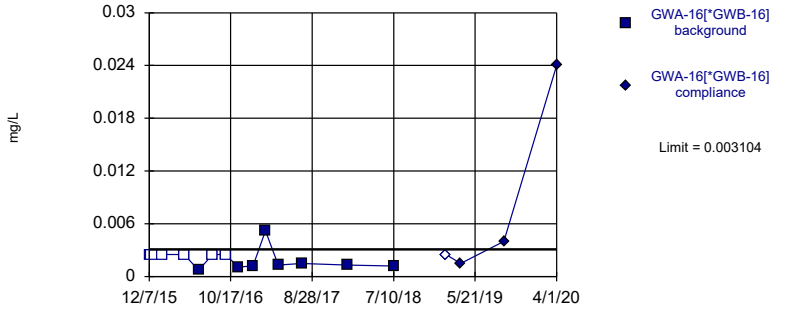
Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03555, Std. Dev.=0.01054, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

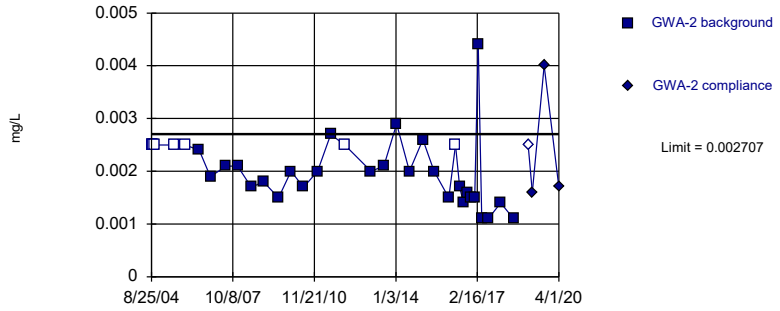
Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=0.03983, Std. Dev.=0.007574, n=36, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9394, critical = 0.912. Kappa = 1.611 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

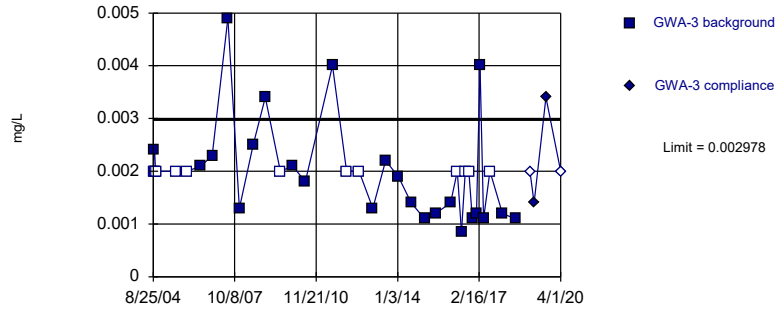
Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=-6.609, Std. Dev.=0.4922, n=36, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9209, critical = 0.912. Kappa = 1.611 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

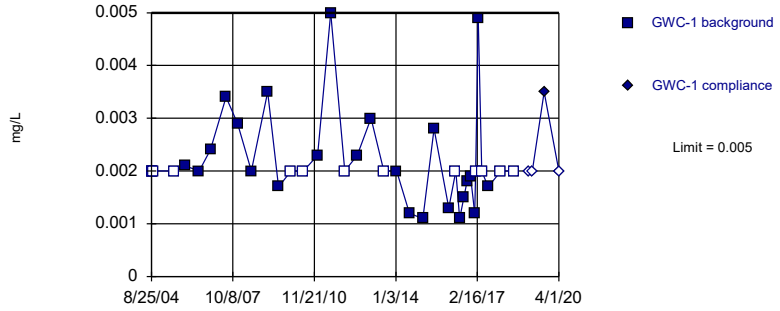
Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 35.14% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

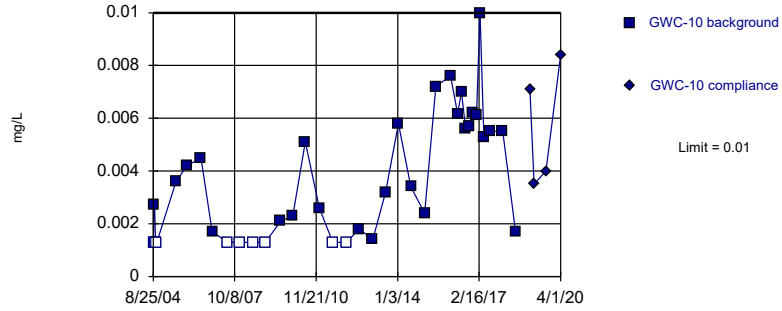
Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 24.32% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

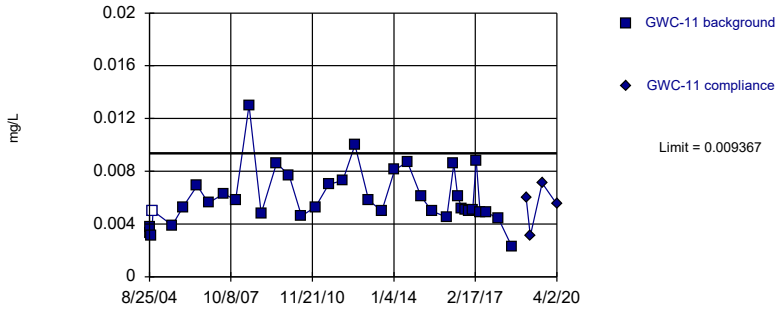
Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.005969, Std. Dev.=0.002115, n=37, 2.703% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

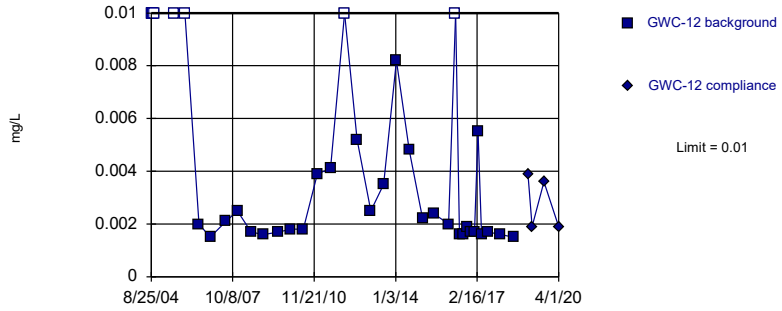
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 21.62% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

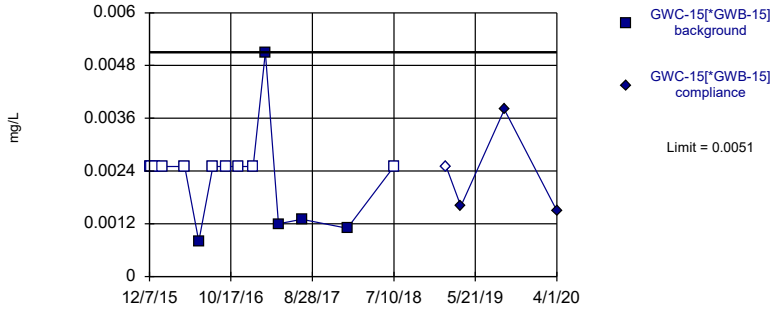
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

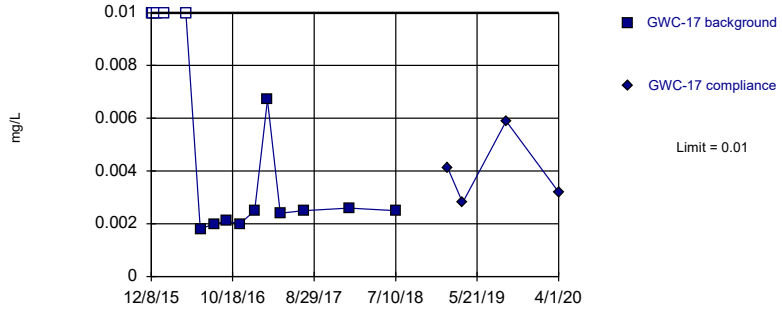
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

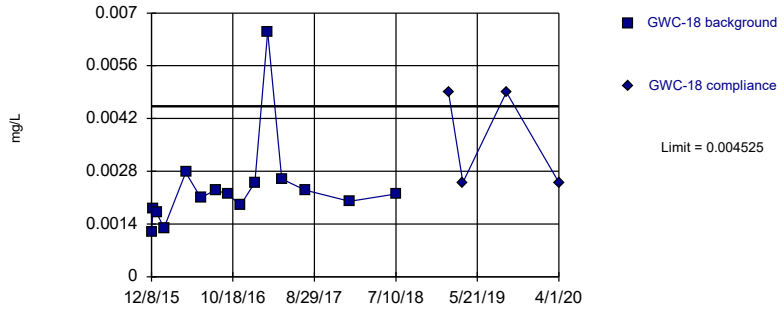
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.131, Std. Dev.=0.3833, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8577, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

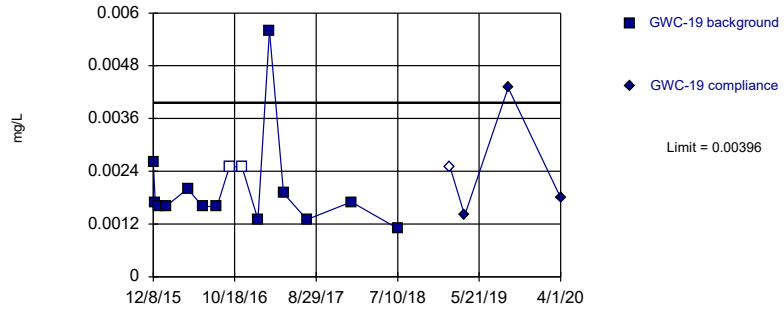
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.281, Std. Dev.=0.3916, n=15, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8645, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

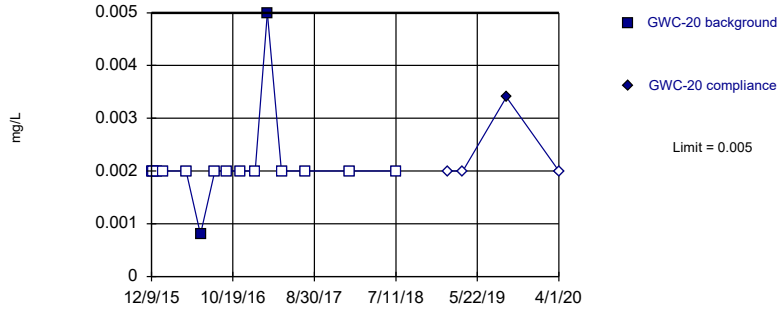
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

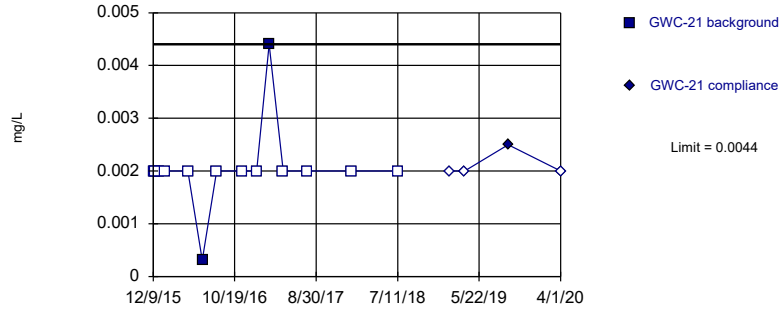
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

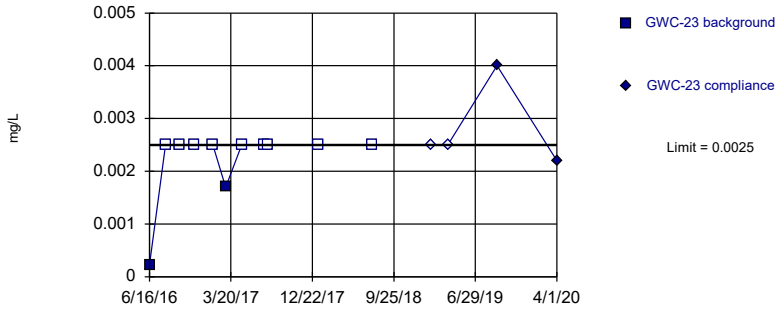
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

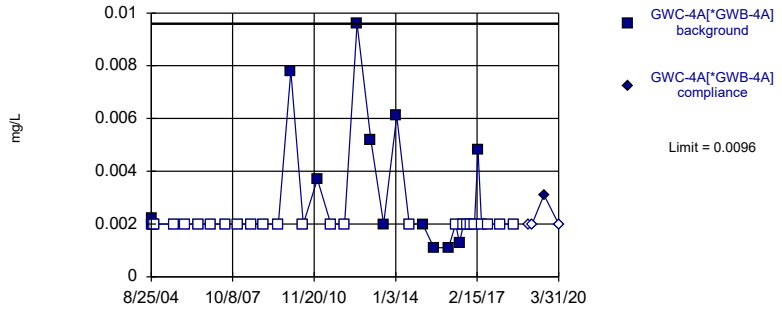
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 67.57% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

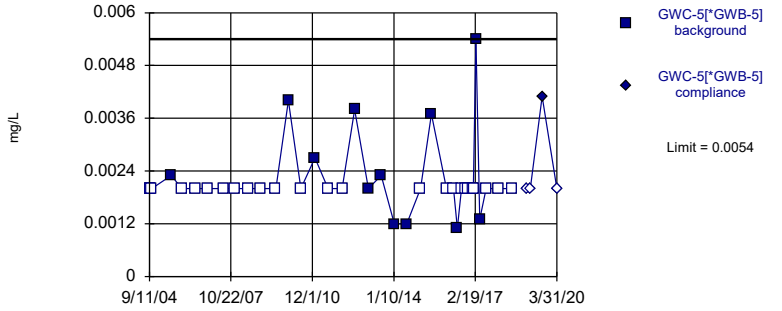
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 65.79% NDs. Well-constituent pair annual alpha = 0.000192. Individual comparison alpha = 0.00009598 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

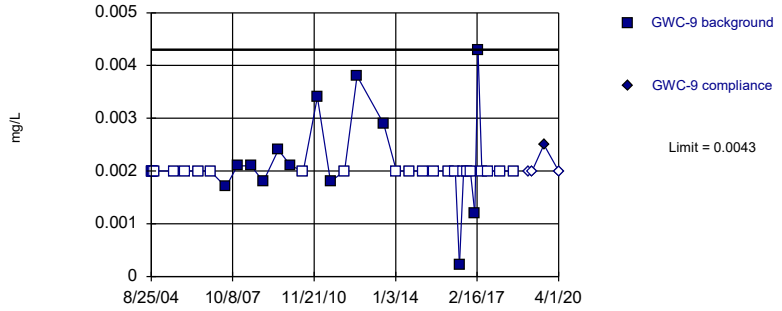
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 63.89% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Chromium Analysis Run 6/12/2020 9:32 AM View: State Parameters

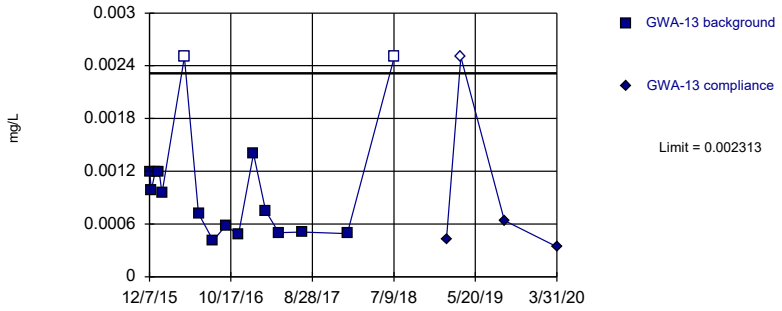
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.0307, Std. Dev.=0.009318, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8703, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

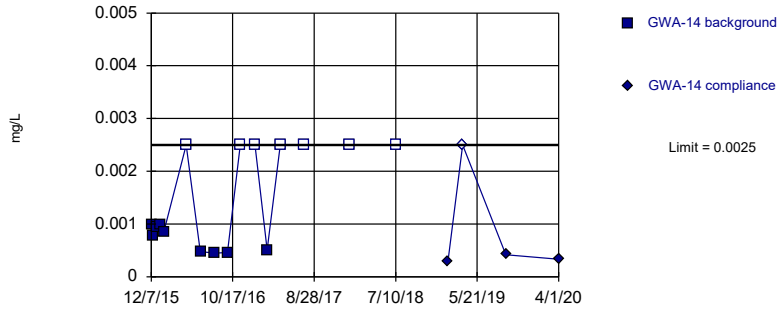
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

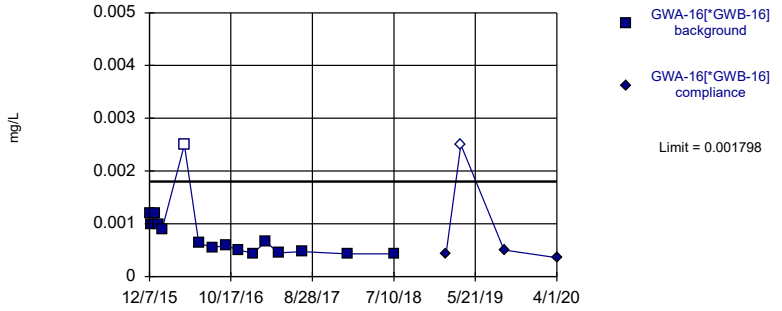
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-7.257, Std. Dev.=0.5015, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.873, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

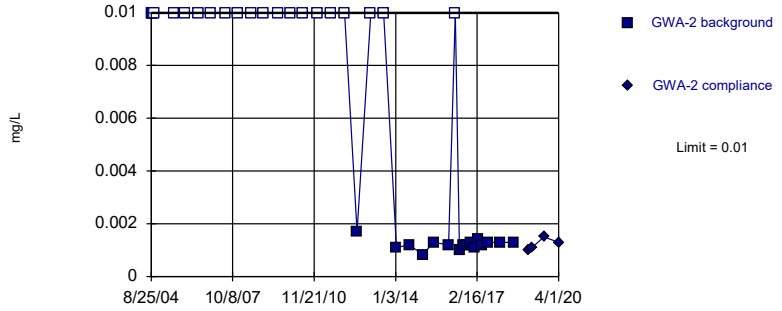
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 56.76% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

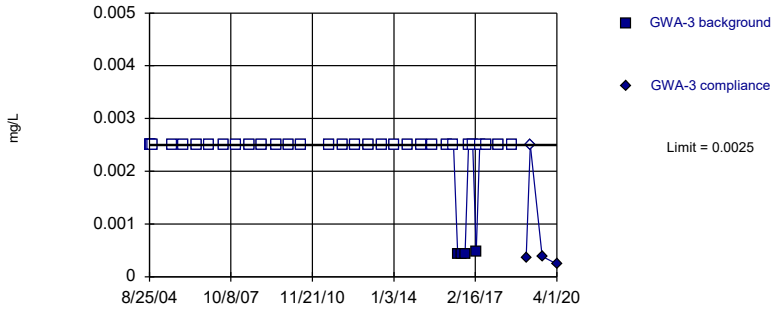
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

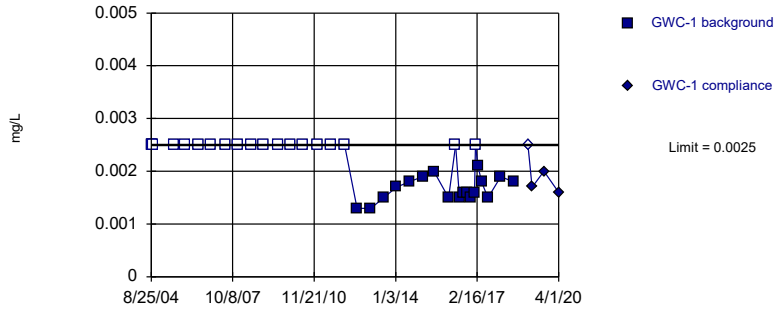
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 51.35% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

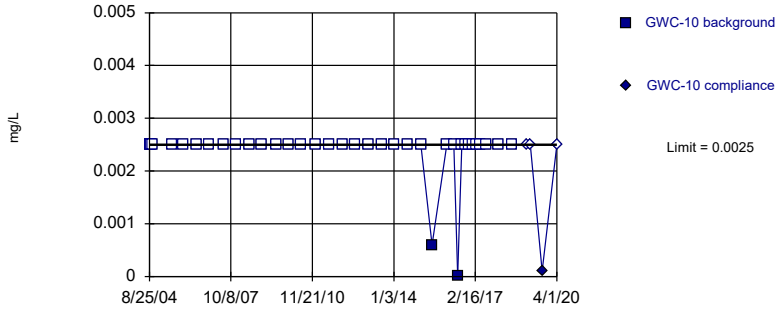
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

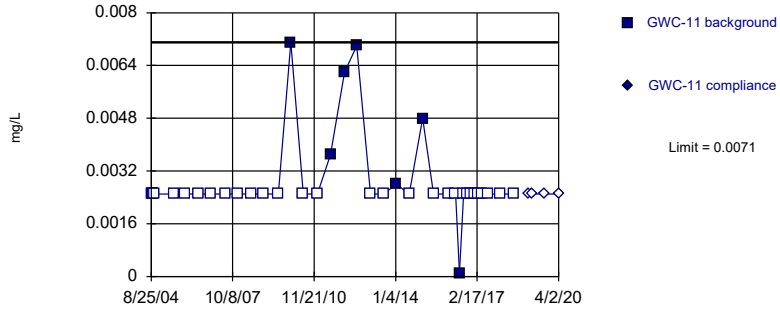
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 81.08% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

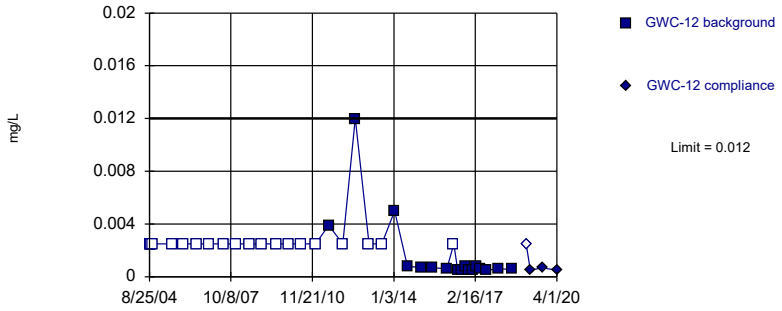
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 54.05% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

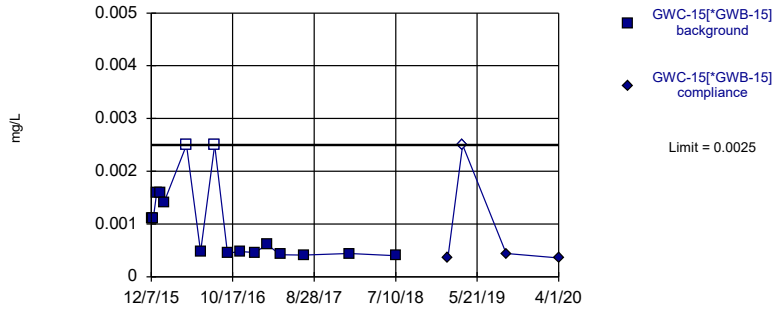
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

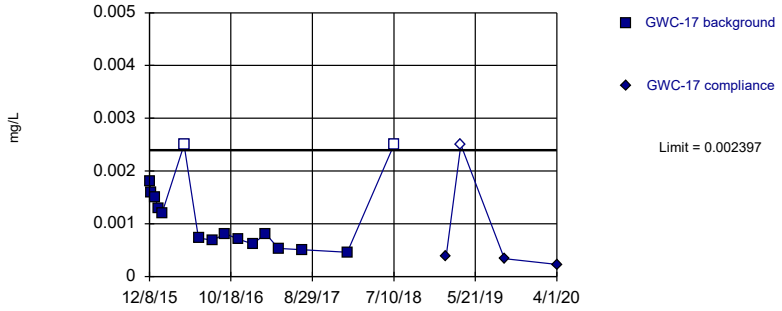
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001142, Std. Dev.=0.0006723, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.85, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

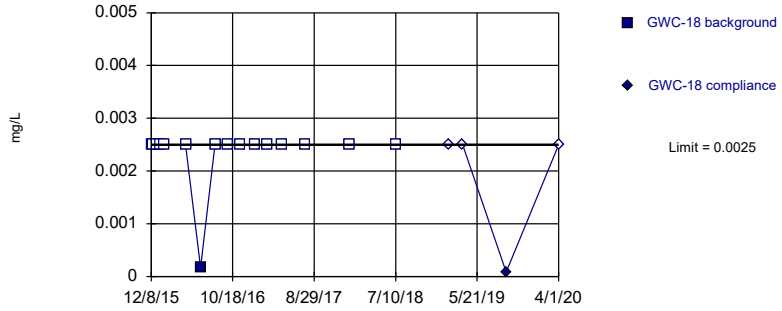
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

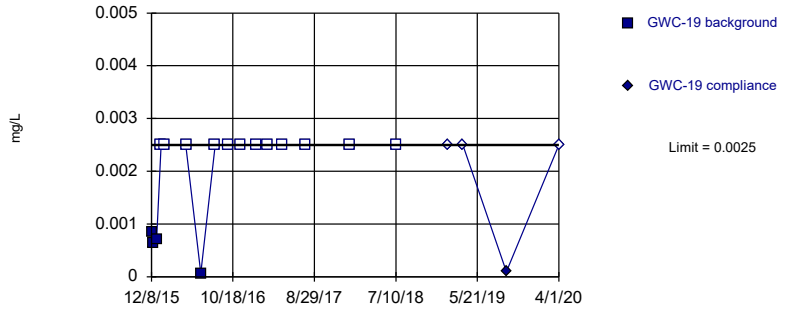
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

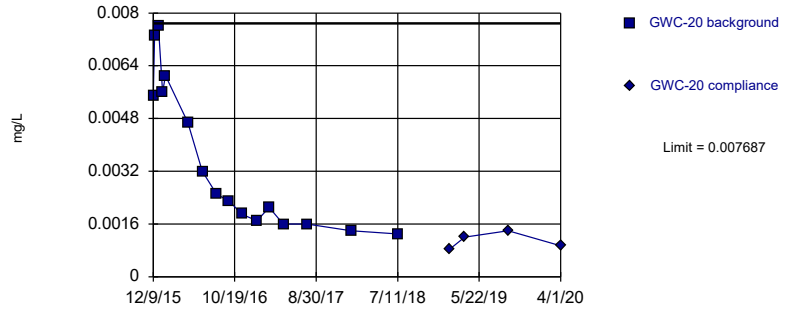
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.003524, Std. Dev.=0.00223, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8444, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

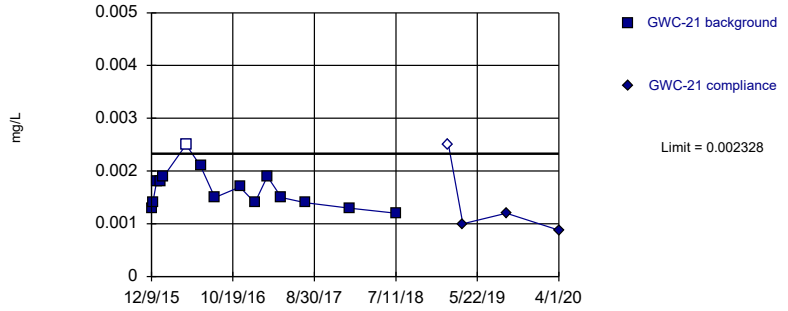
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001647, Std. Dev.=0.0003563, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9154, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

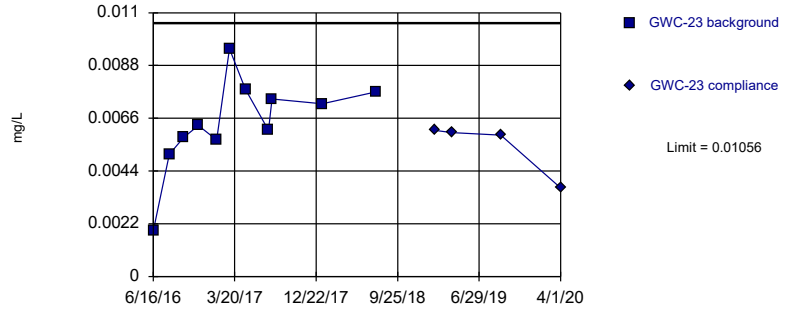
Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



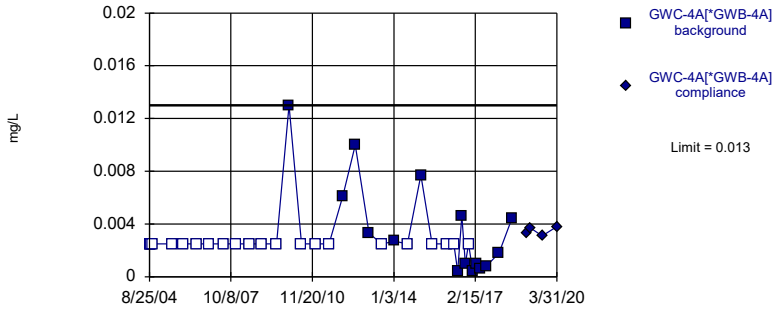
Background Data Summary: Mean=0.006409, Std. Dev.=0.001944, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9239, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



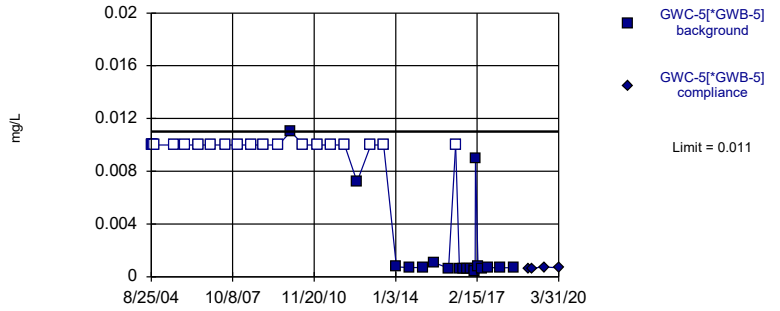
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 59.46% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



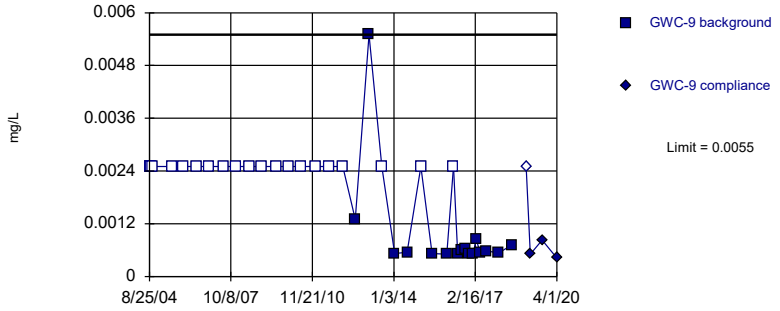
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 51.28% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



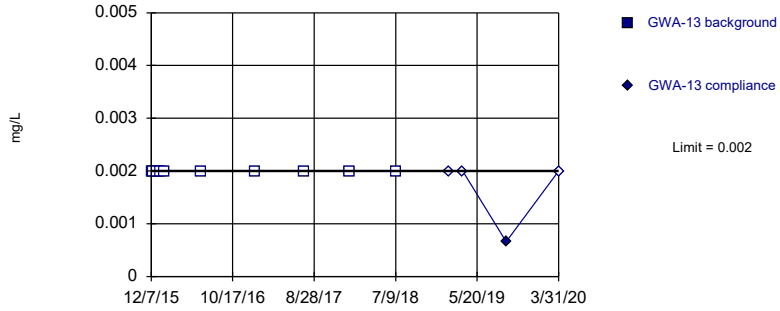
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 56.76% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

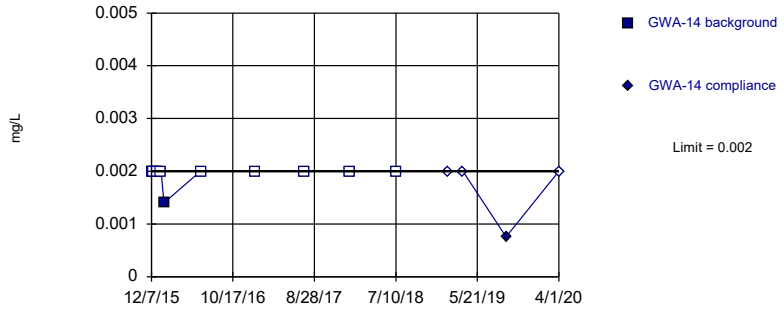
Constituent: Copper Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

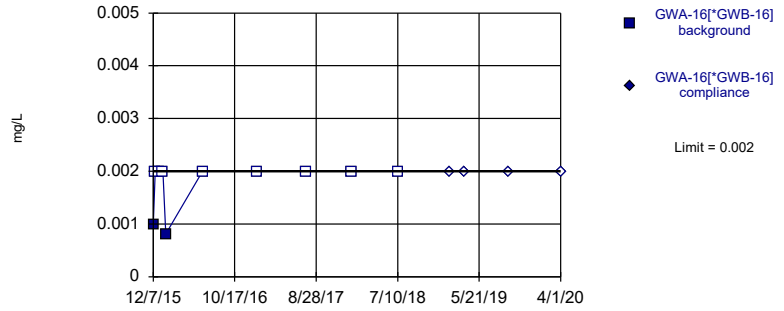
Constituent: Copper Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

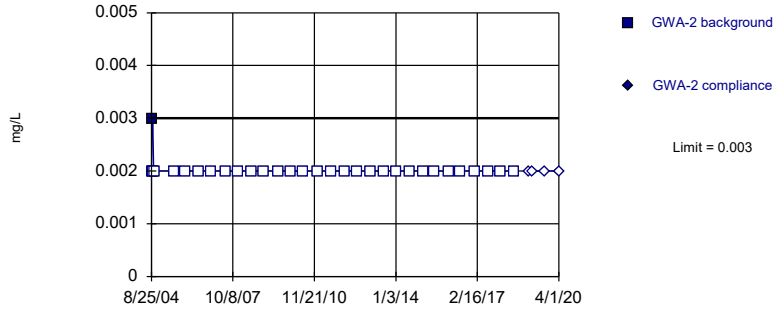
Constituent: Copper Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

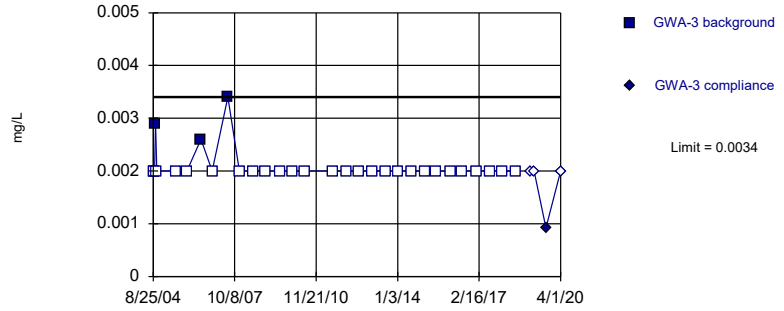
Constituent: Copper Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

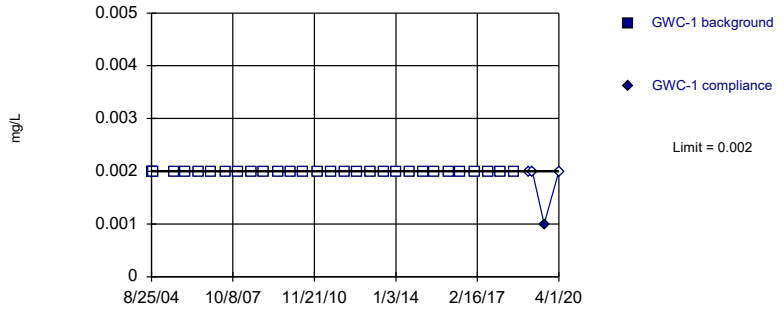
Constituent: Copper Analysis Run 6/12/2020 9:32 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

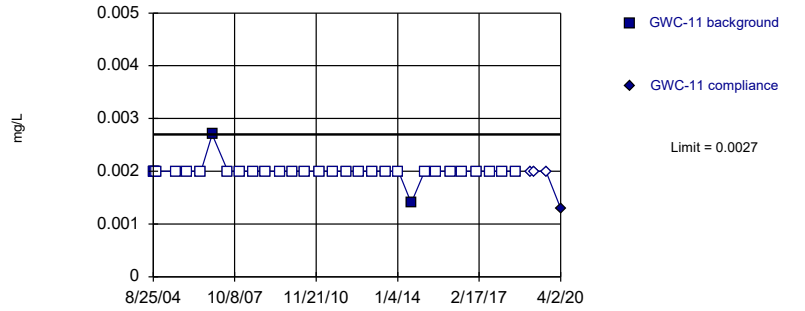
Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

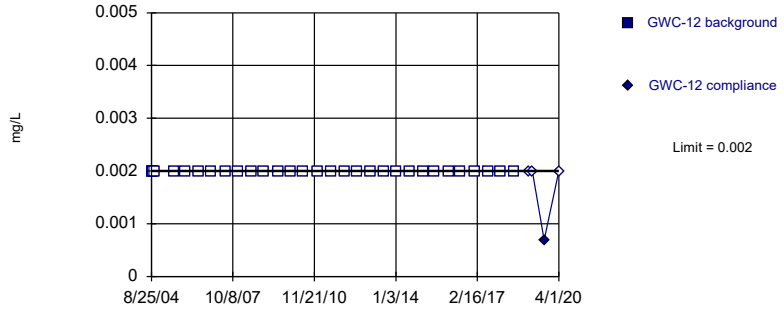
Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 31) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

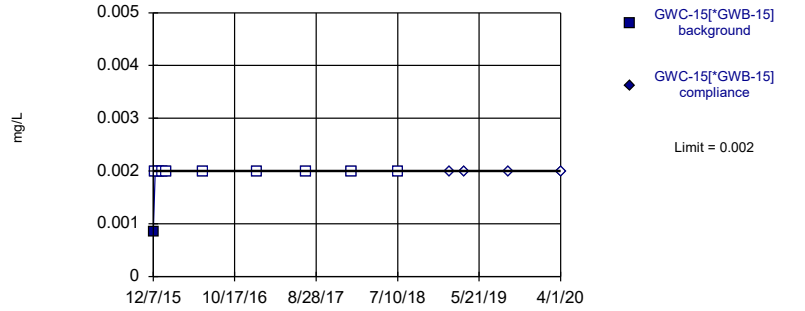
Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

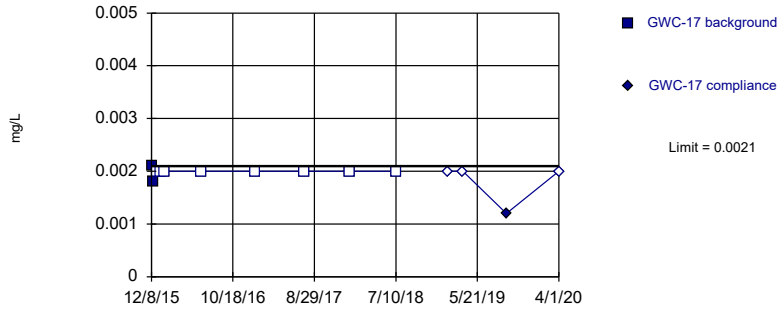
Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

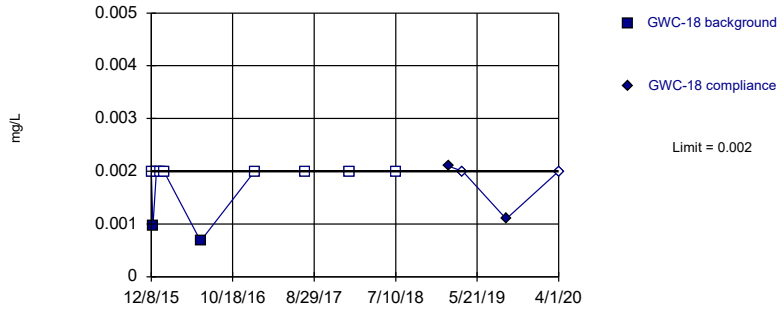
Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

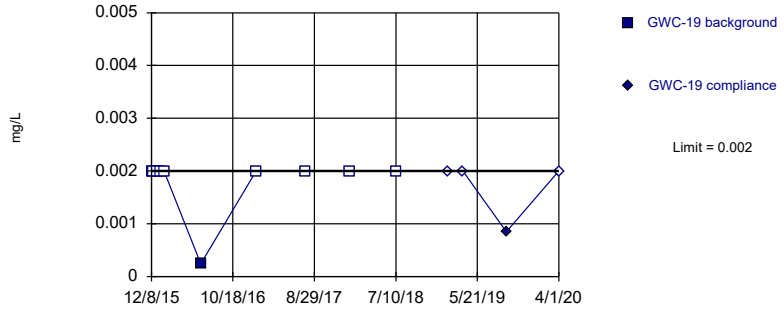
Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

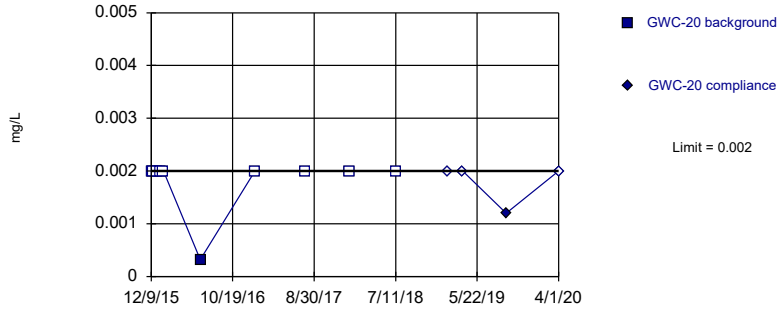
Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



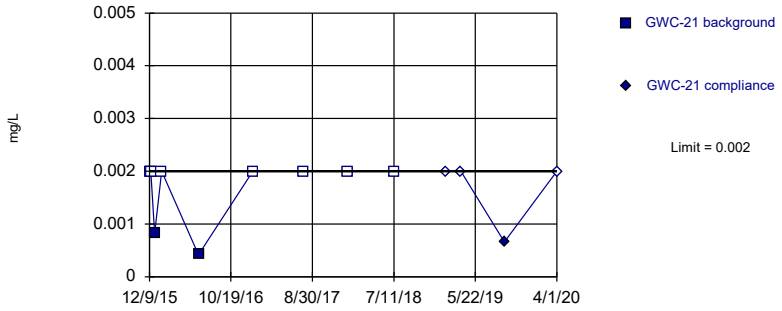
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



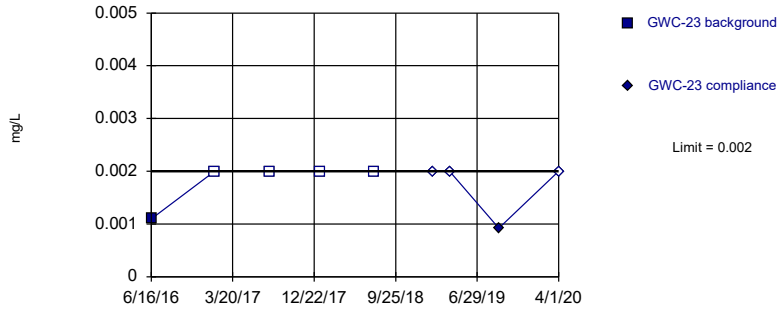
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



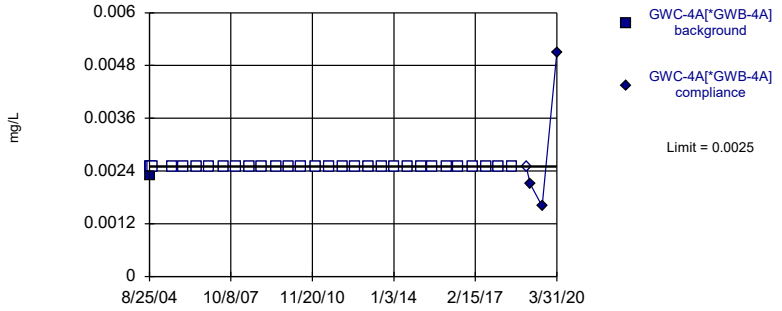
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 80% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Exceeds Limit

Prediction Limit

Intrawell Non-parametric



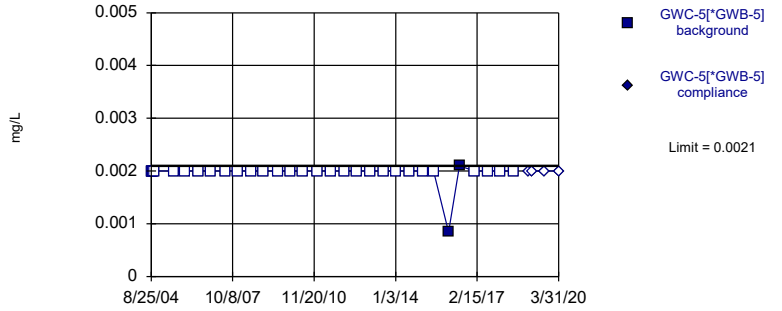
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



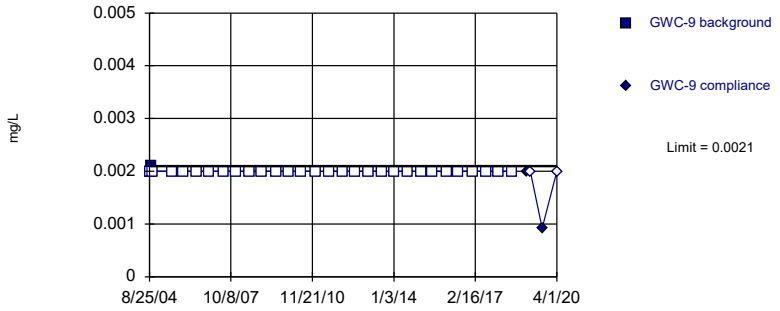
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



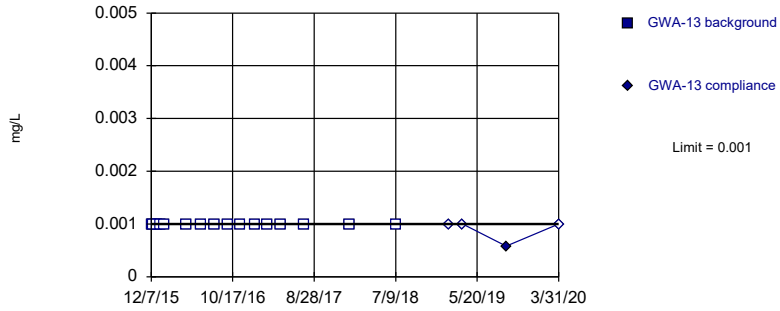
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



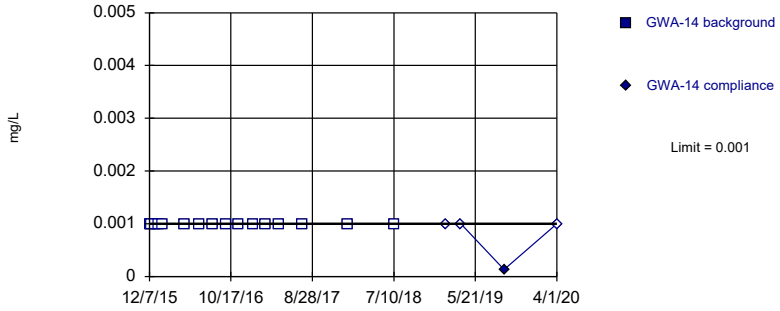
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



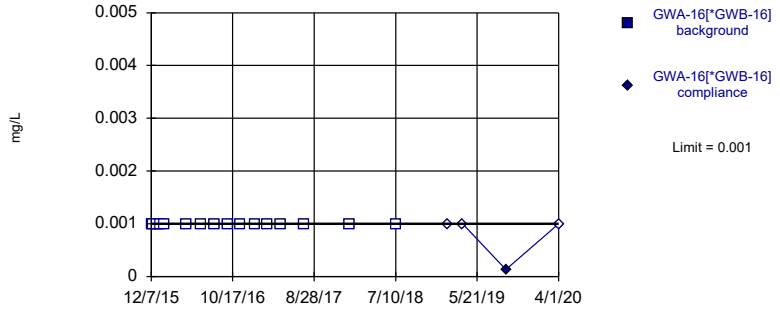
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



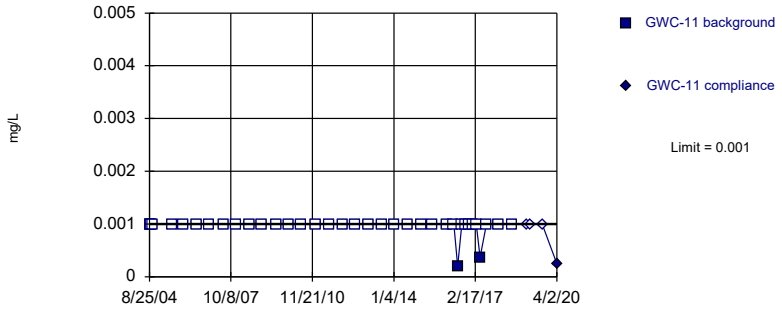
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



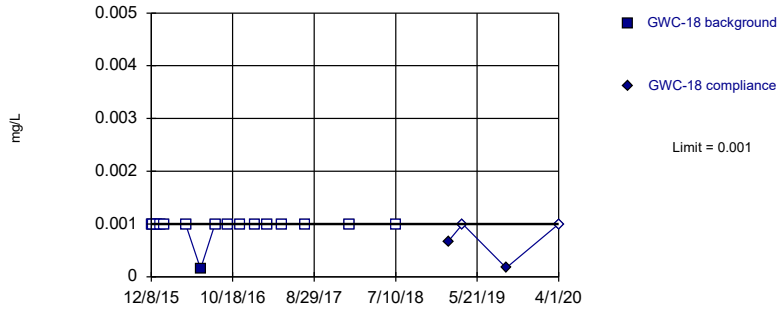
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



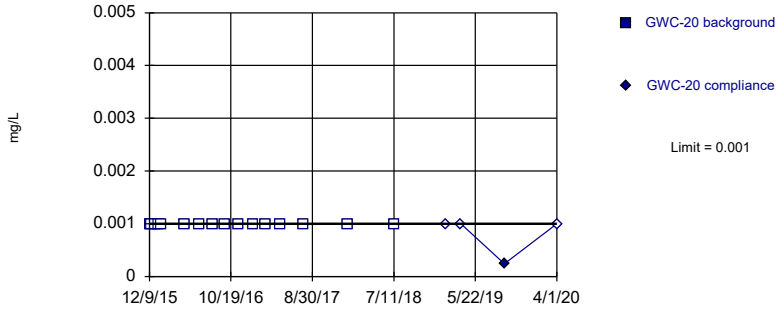
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



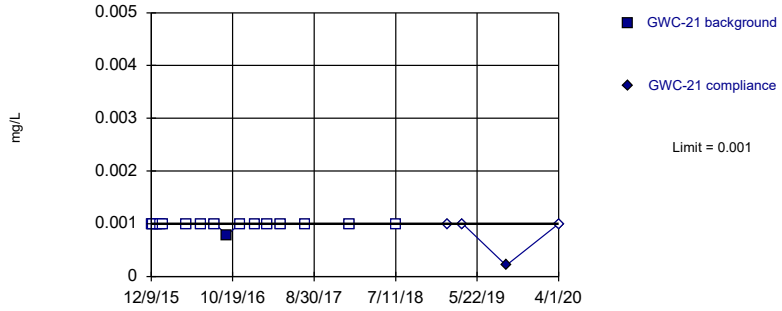
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



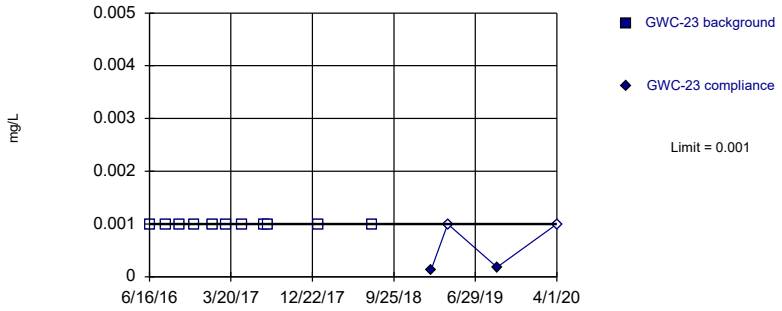
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



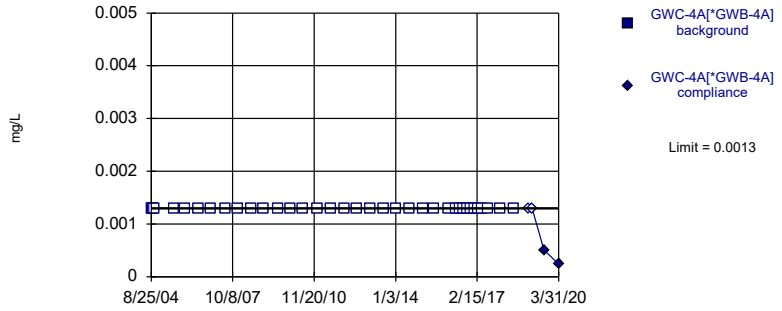
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



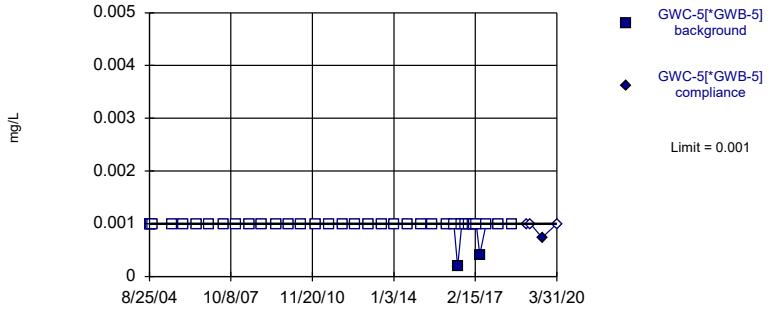
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



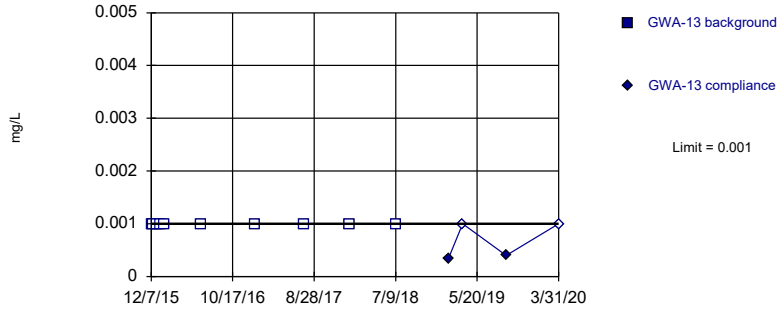
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Lead Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

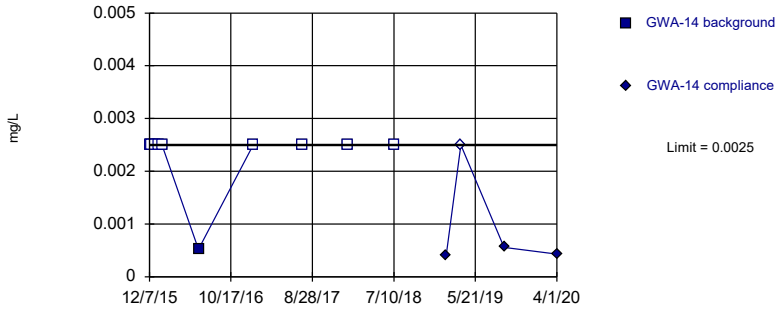
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

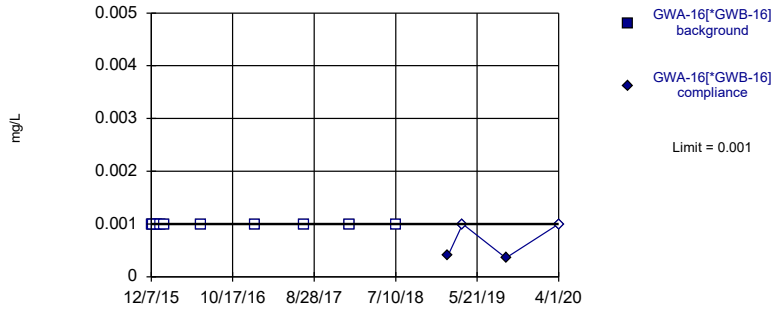
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

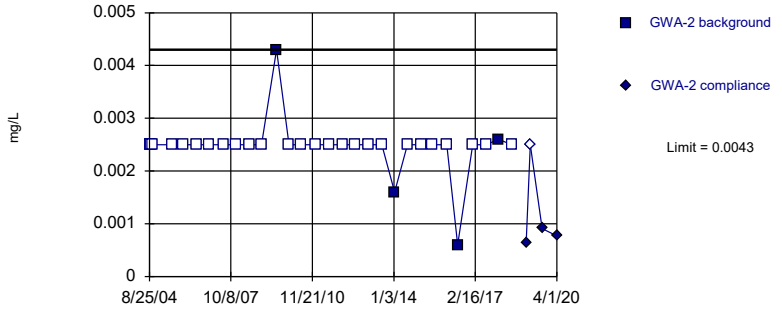
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

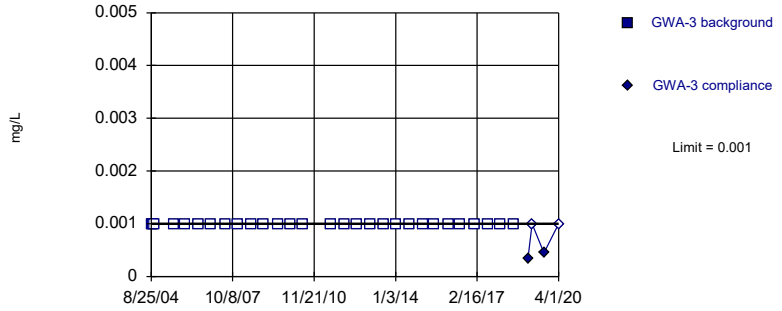
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0004147. Individual comparison alpha = 0.0002074 (1 of 3).

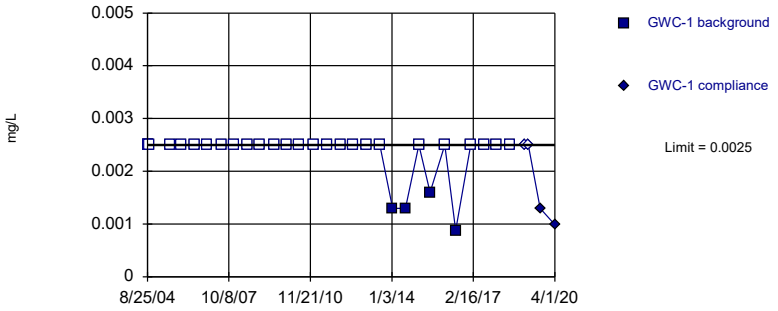
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

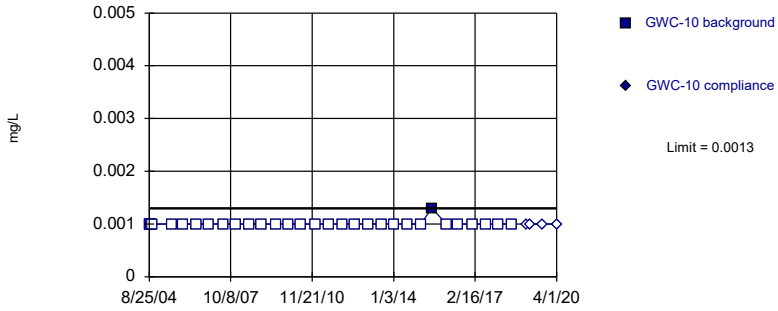
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

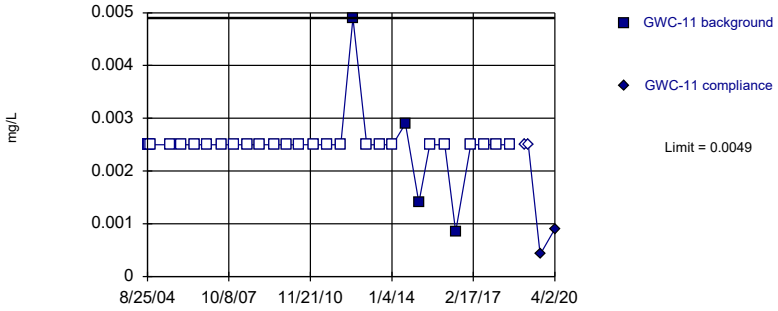
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

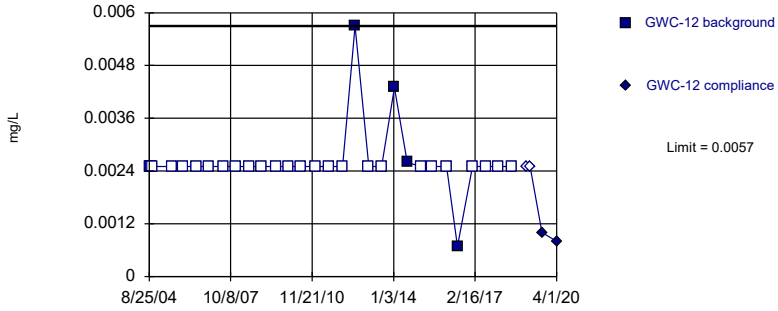
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

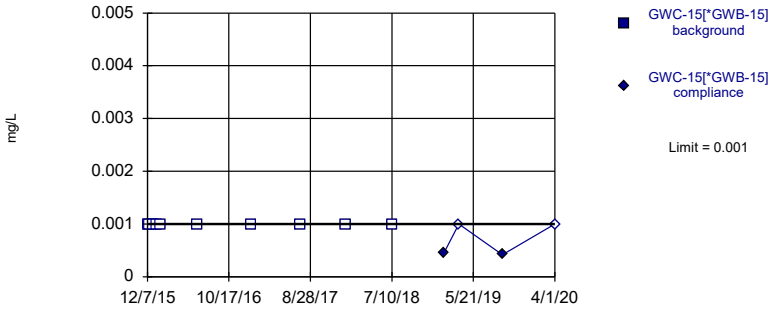
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

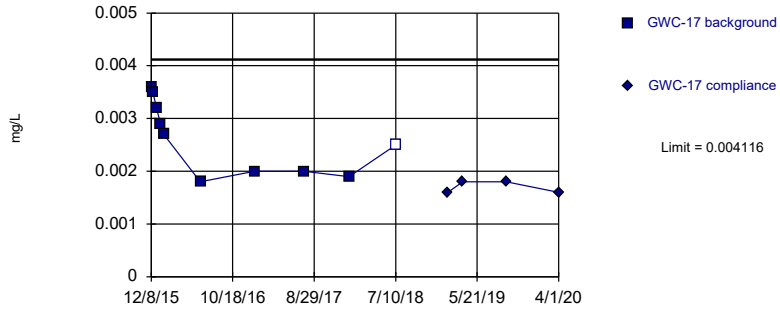
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00261, Std. Dev.=0.0006773, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9065, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

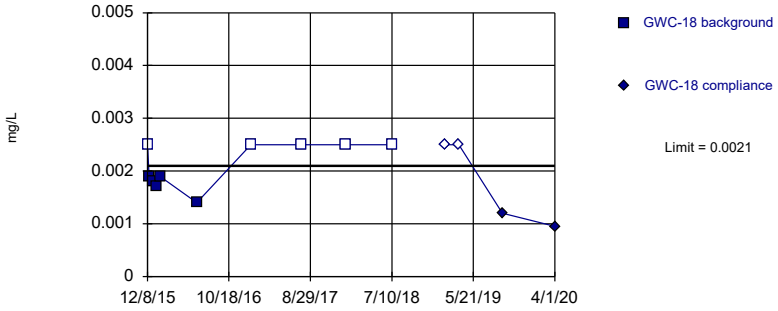
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001687, Std. Dev.=0.0001857, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8068, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

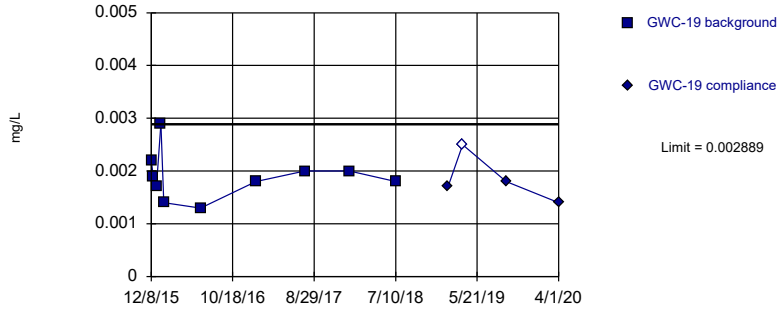
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0019, Std. Dev.=0.0004447, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9122, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

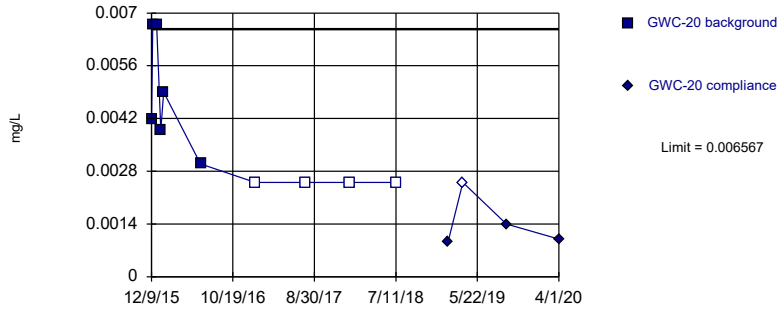
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003595, Std. Dev.=0.001337, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8151, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

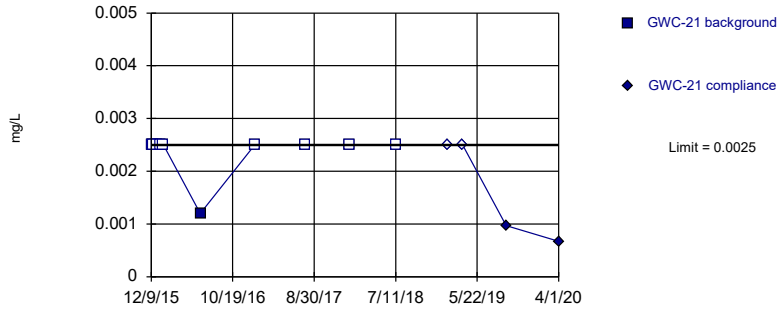
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

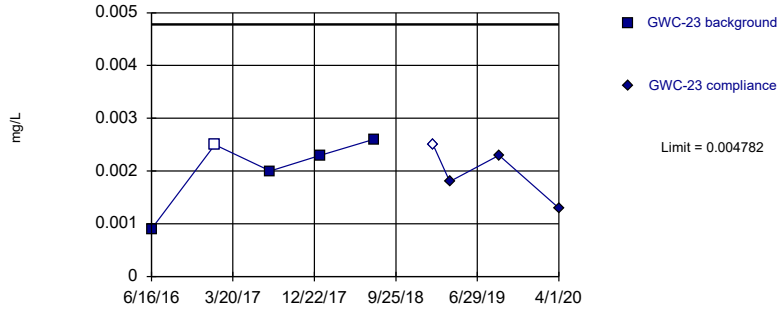
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001907, Std. Dev.=0.0006403, n=5, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8265, critical = 0.686. Kappa = 4.49 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

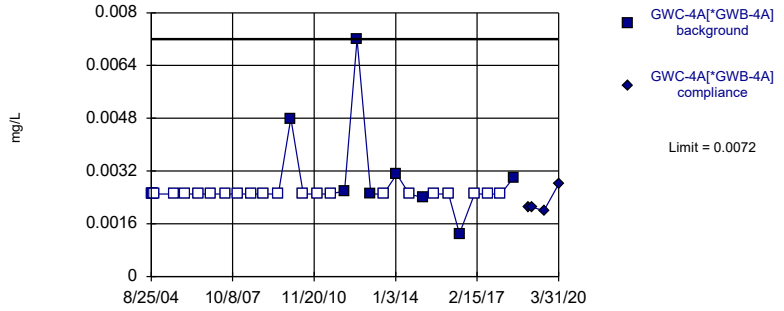
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 74.19% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

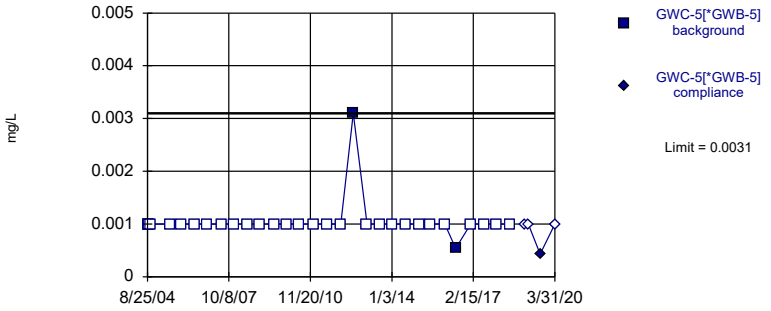
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

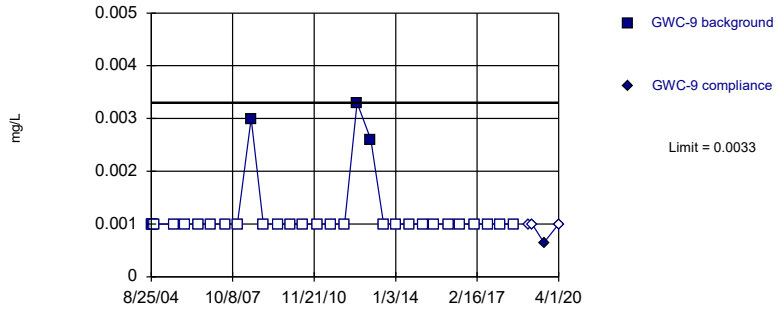
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

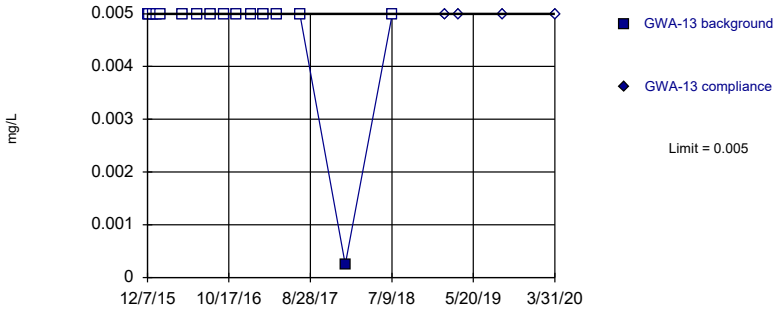
Constituent: Nickel Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

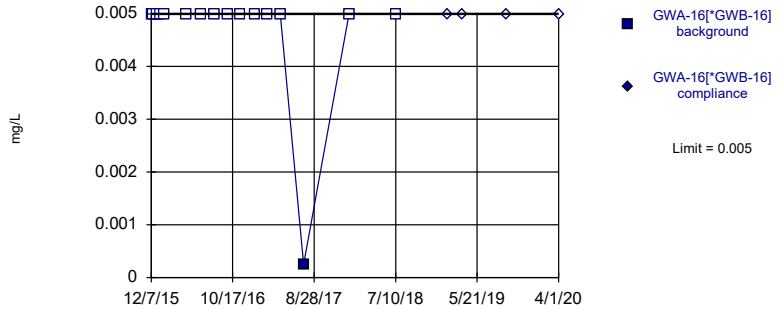
Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



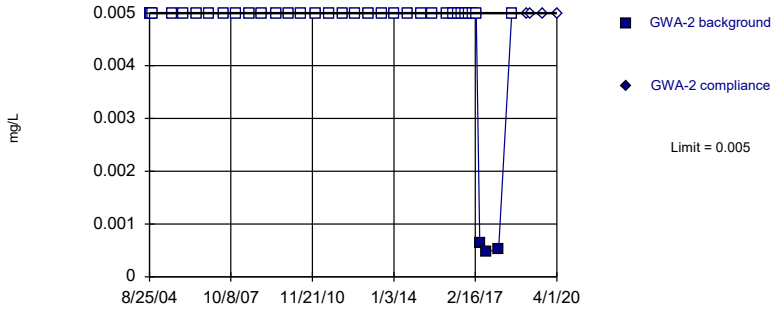
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



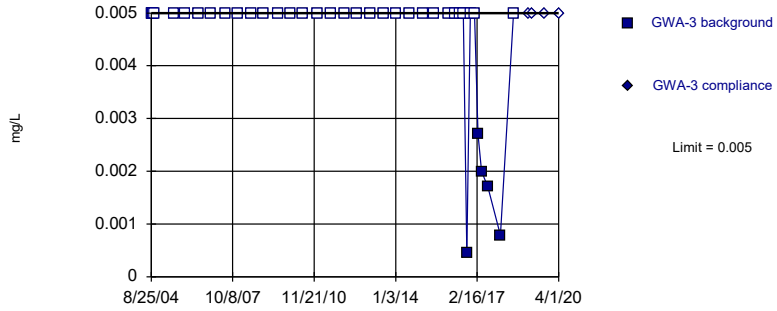
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



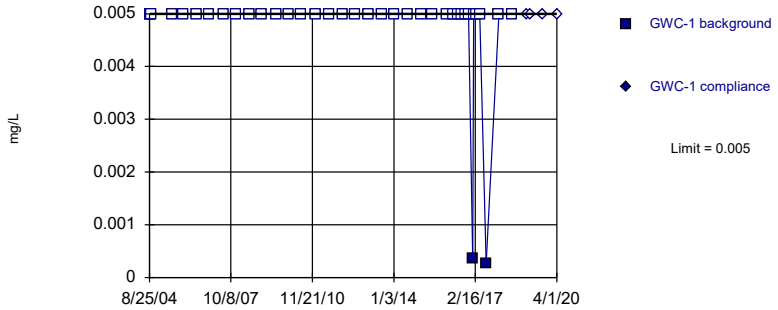
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 86.49% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



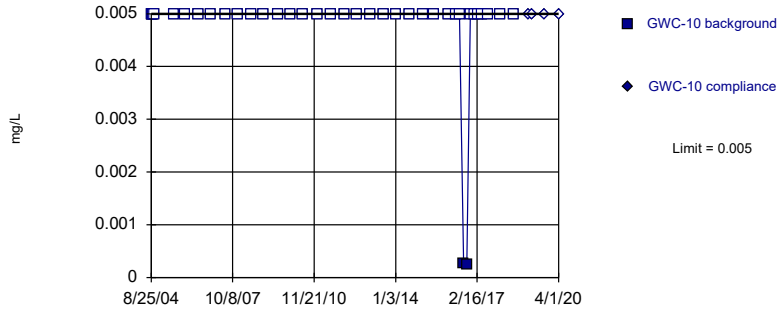
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

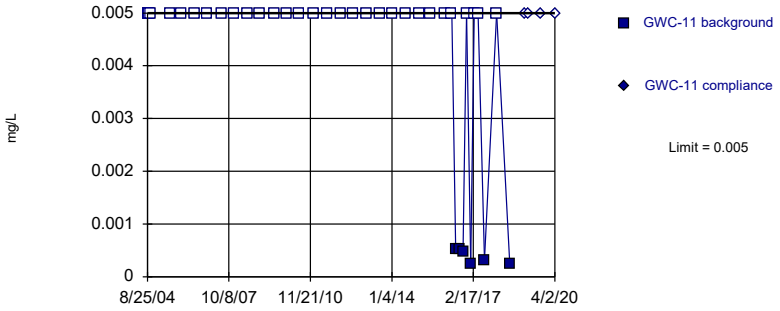
Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters

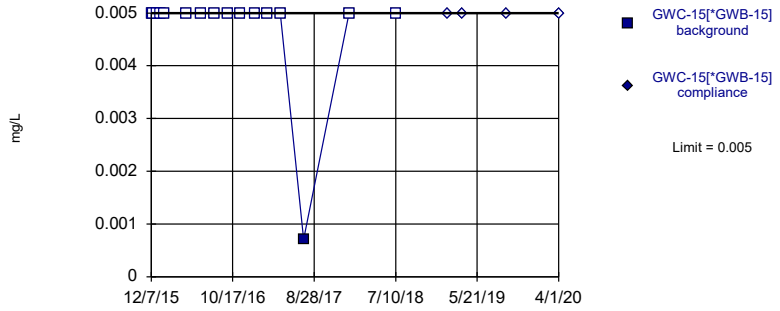
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters

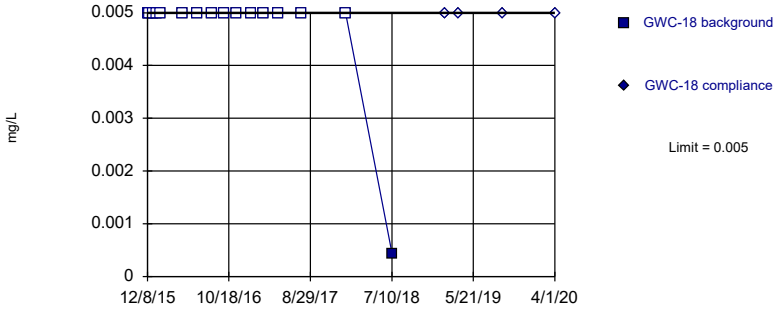
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters

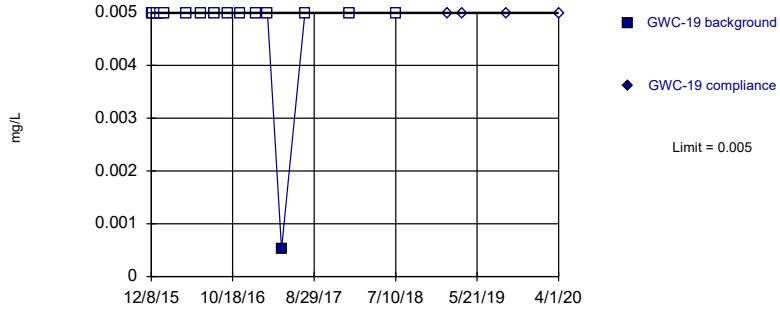
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters

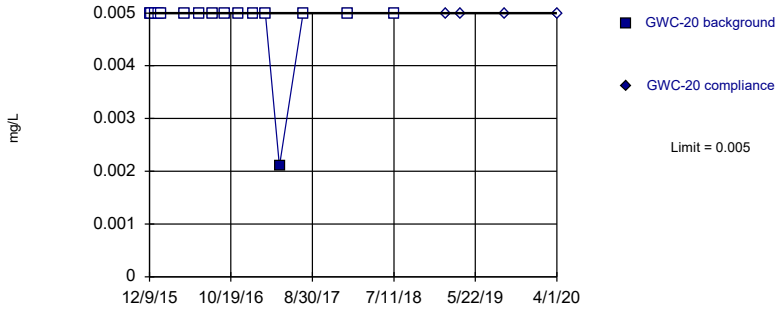
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters

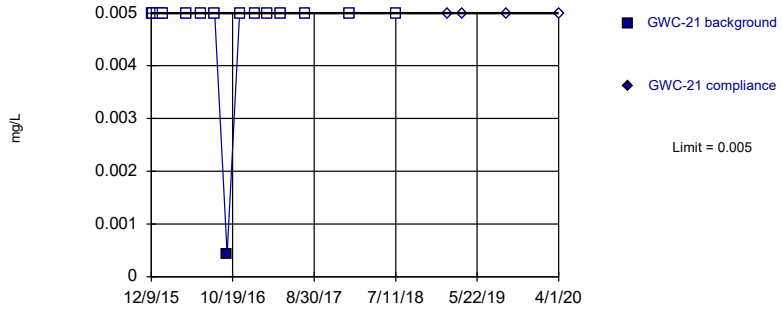
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters

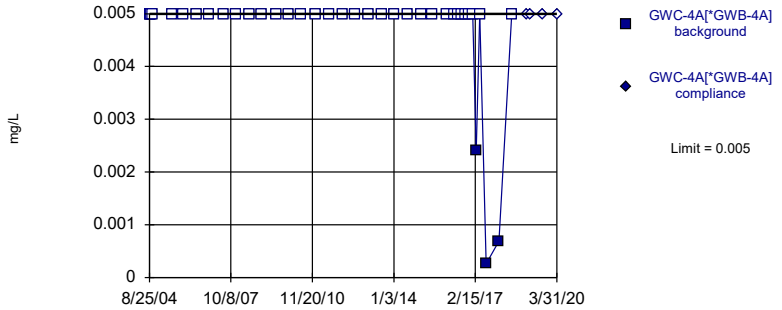
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters

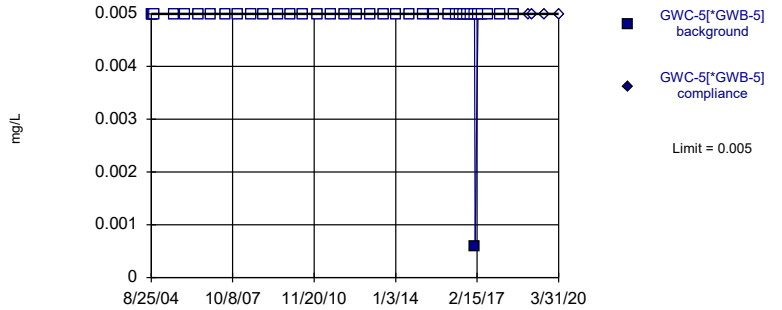
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.000192. Individual comparison alpha = 0.00009598 (1 of 3).

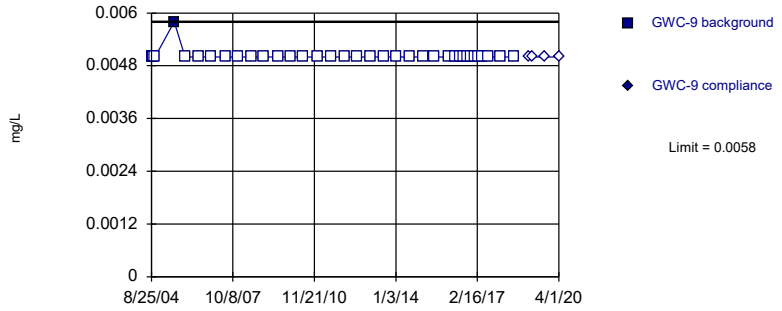
Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



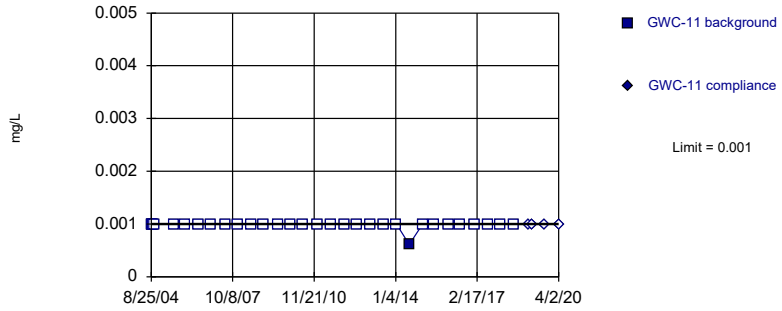
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



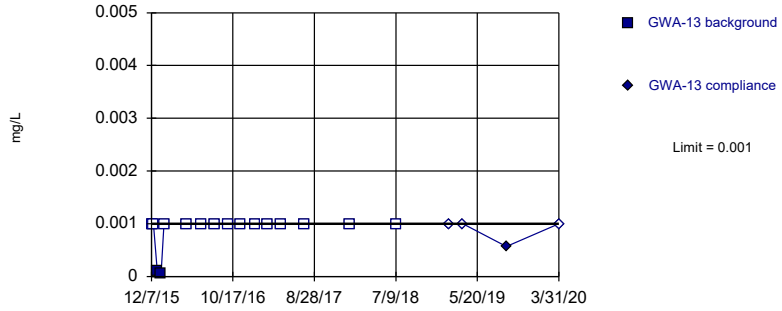
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Silver Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



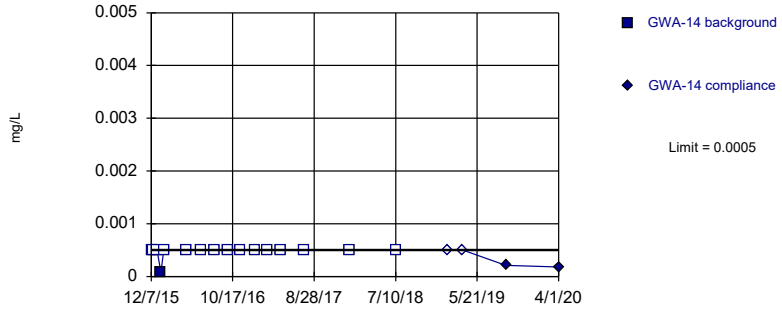
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

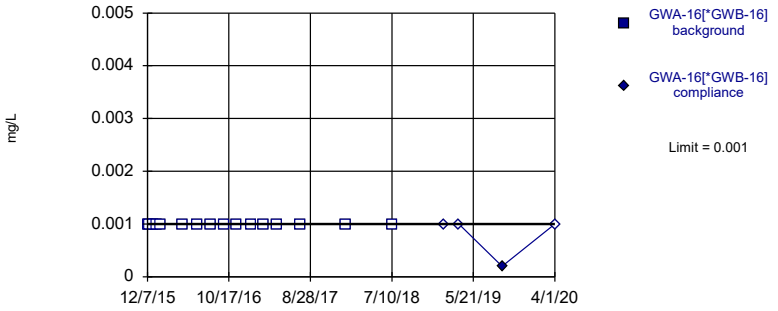
Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

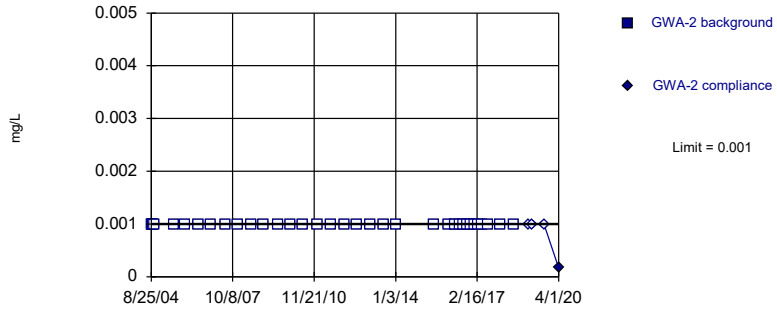
Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

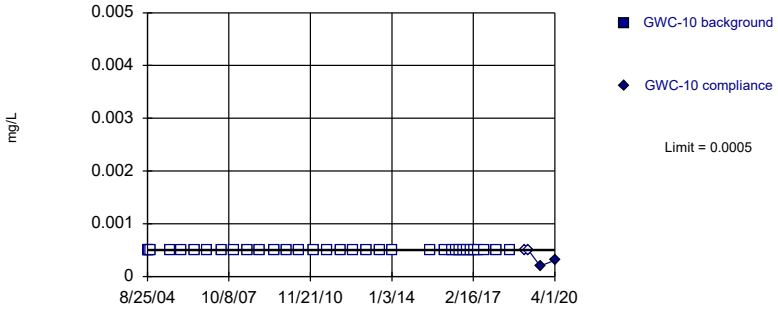
Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

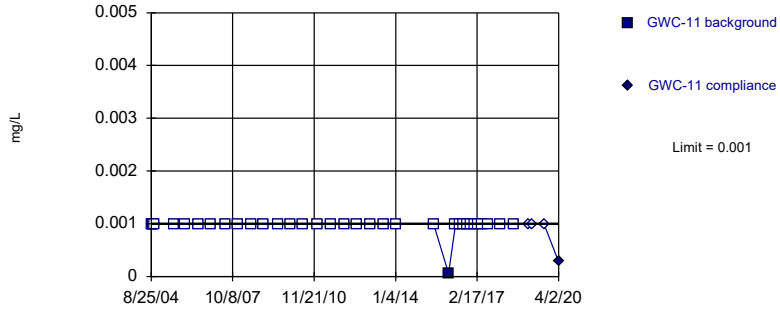
Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



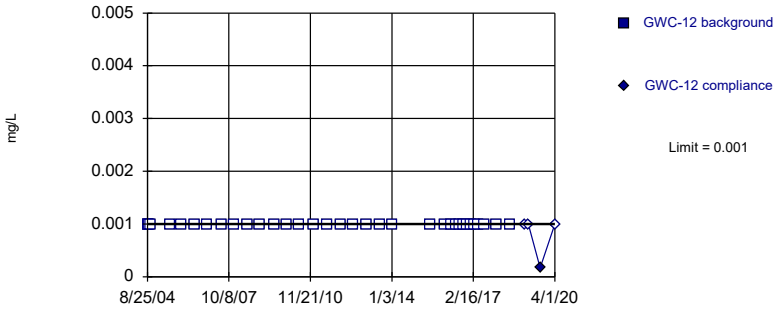
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 97.14% NDs. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



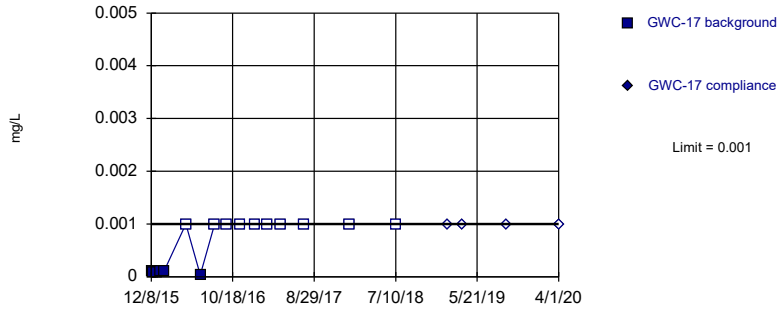
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



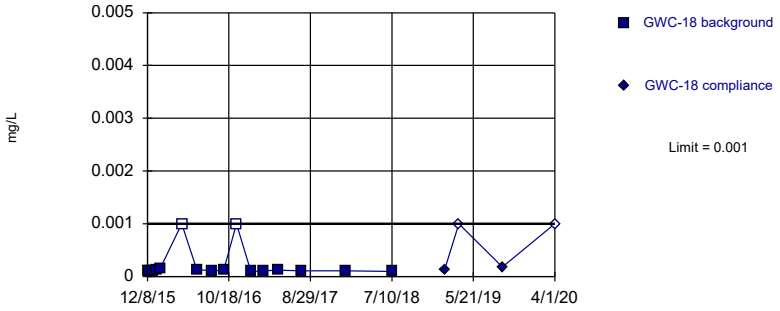
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



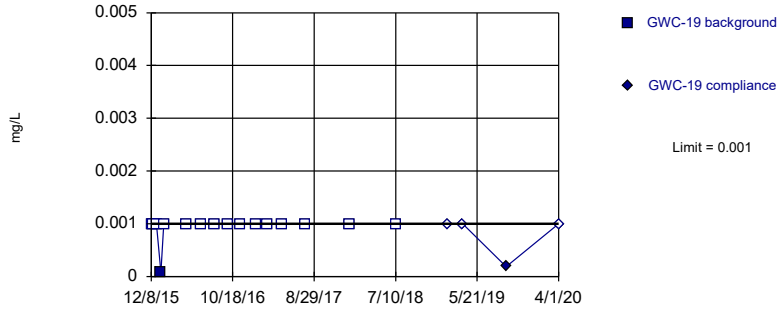
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



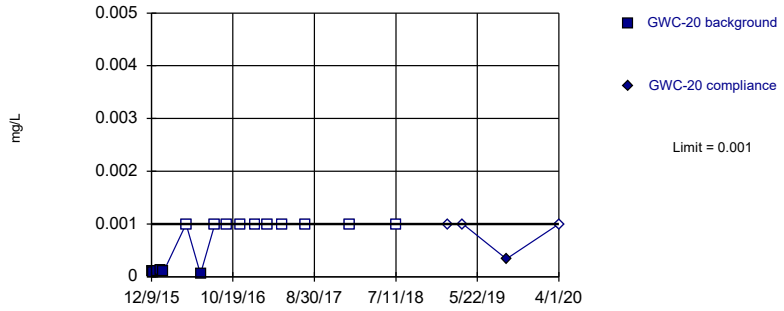
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



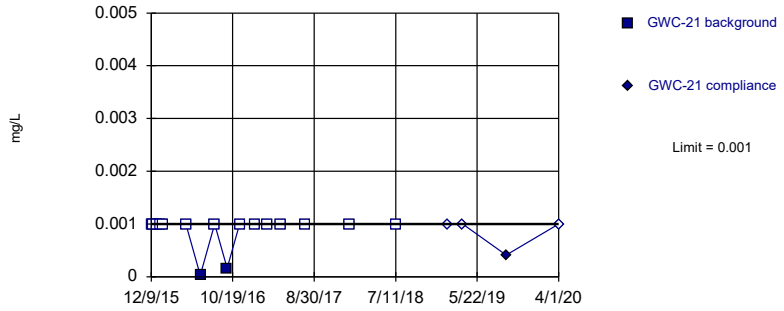
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



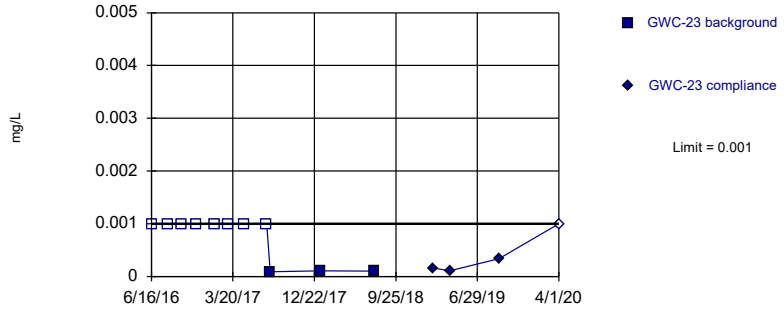
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



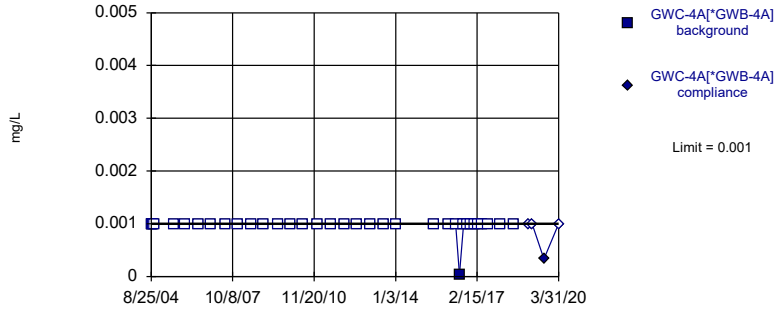
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 97.14% NDs. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

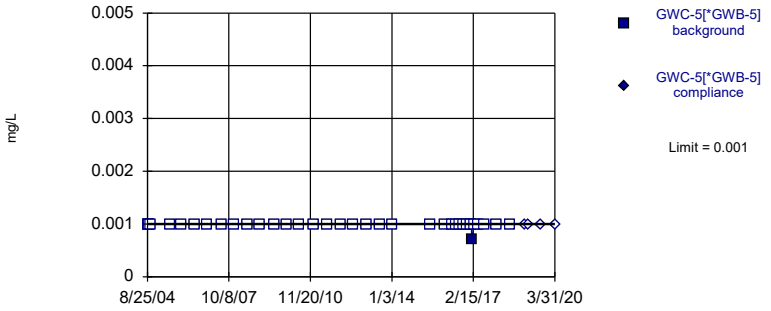
Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

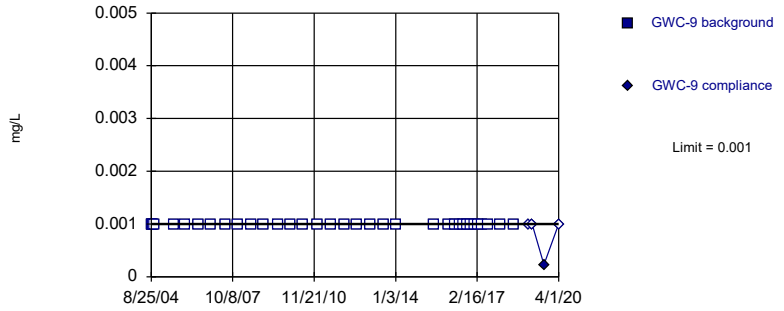
Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

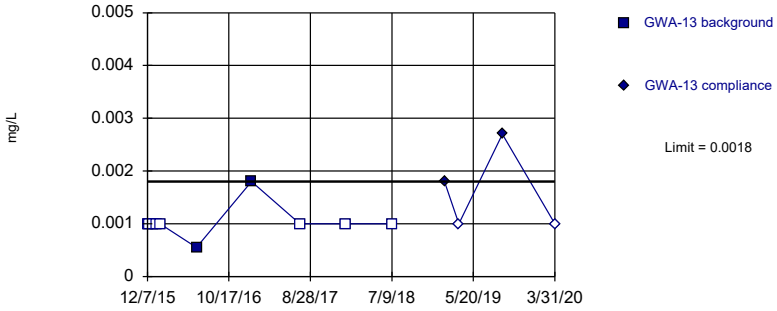
Constituent: Thallium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

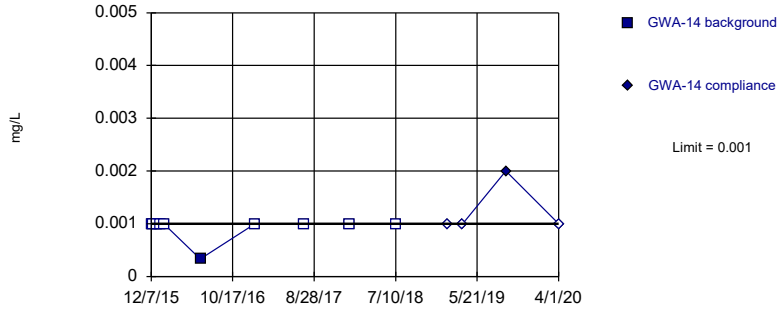
Constituent: Vanadium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

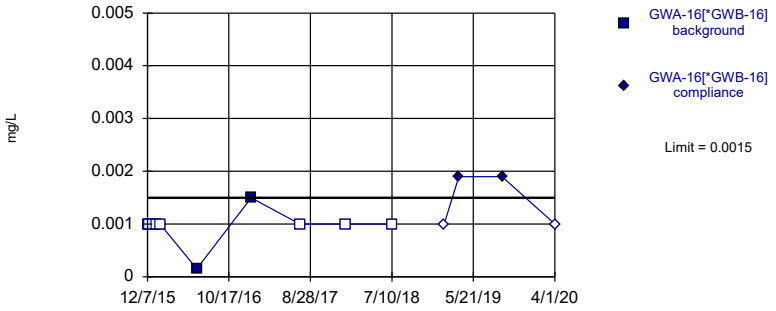
Constituent: Vanadium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

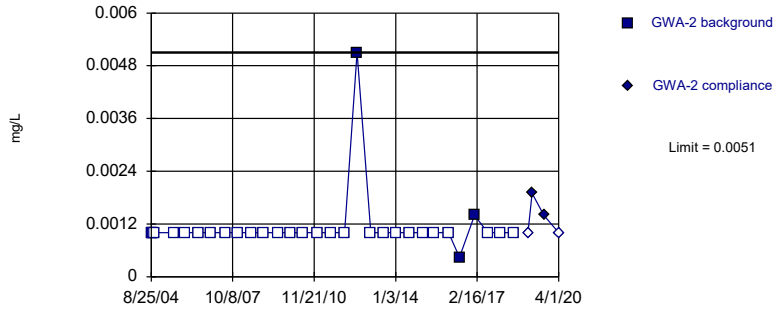
Constituent: Vanadium Analysis Run 6/12/2020 9:33 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

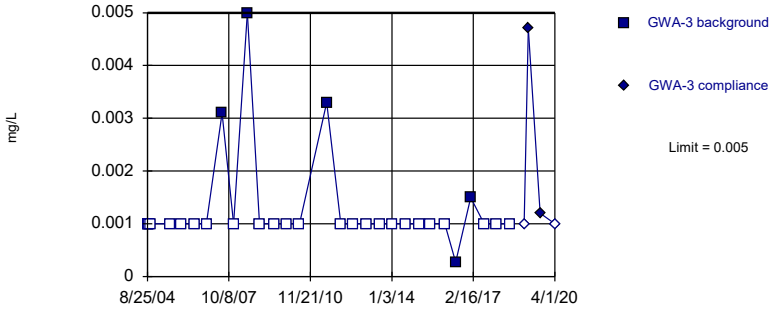
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

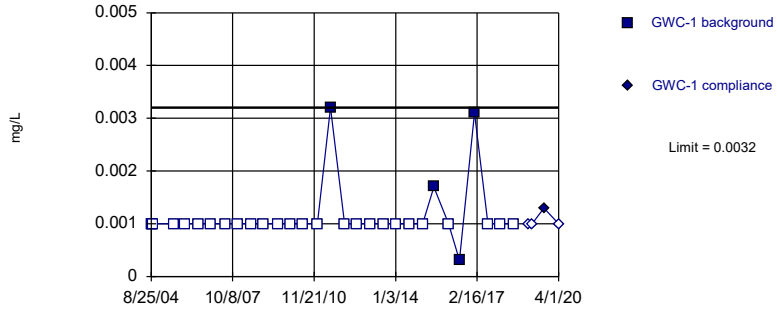
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

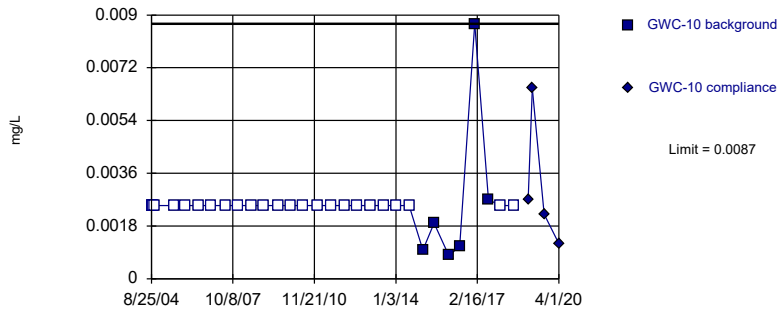
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 80.65% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

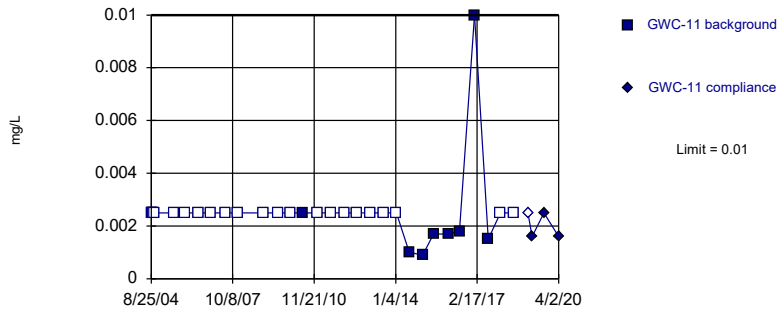
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

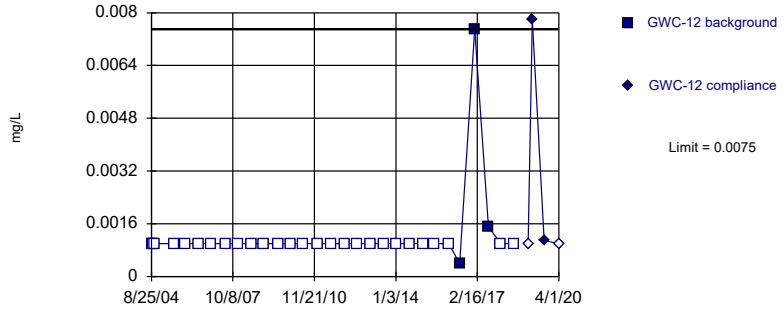
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

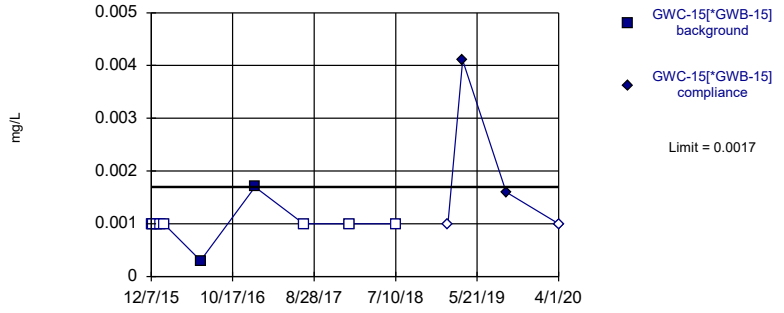
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

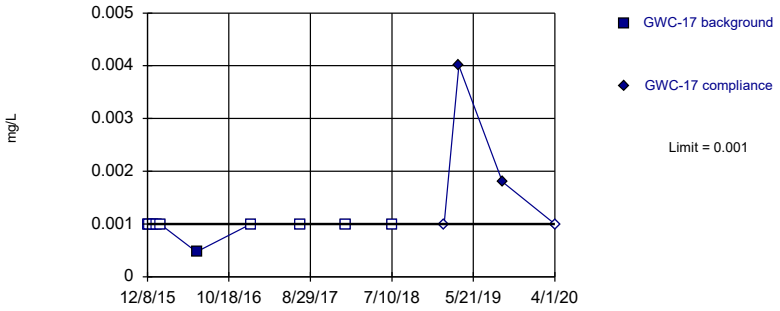
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

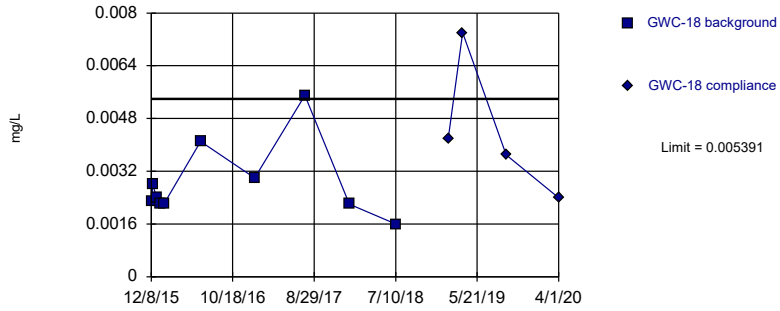
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00283, Std. Dev.=0.001152, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8111, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

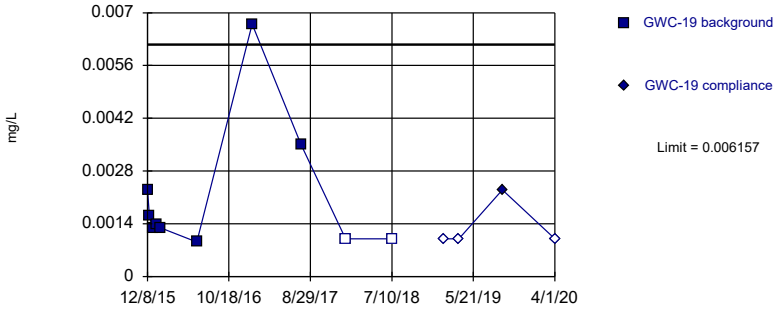
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=0.1199, Std. Dev.=0.02849, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8028, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

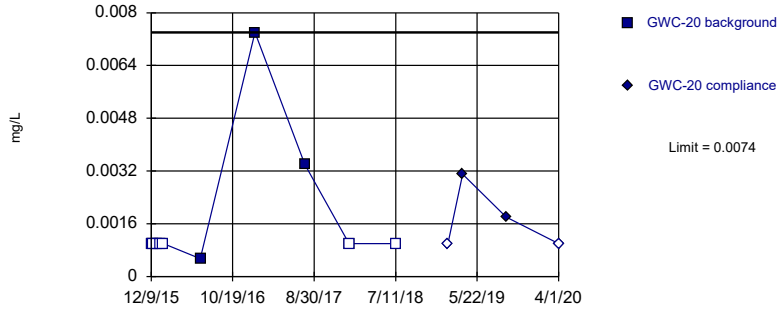
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

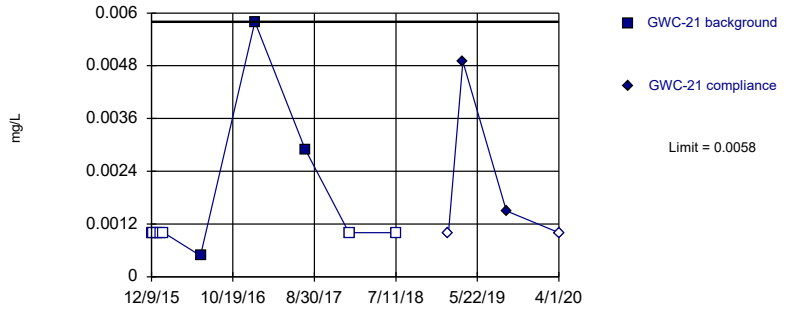
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

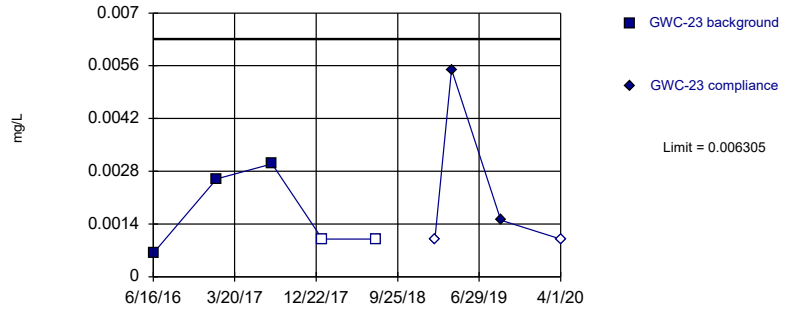
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001498, Std. Dev.=0.001071, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8343, critical = 0.686. Kappa = 4.49 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

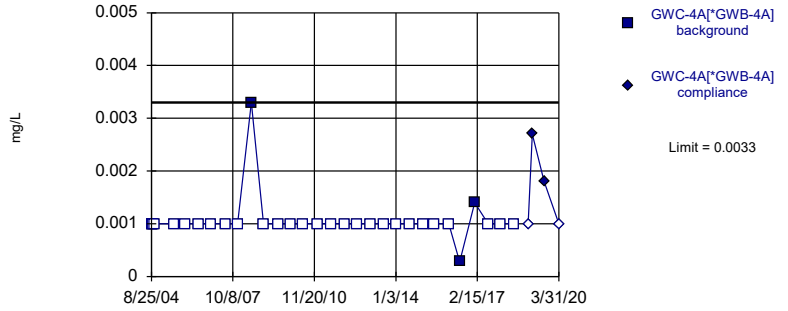
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

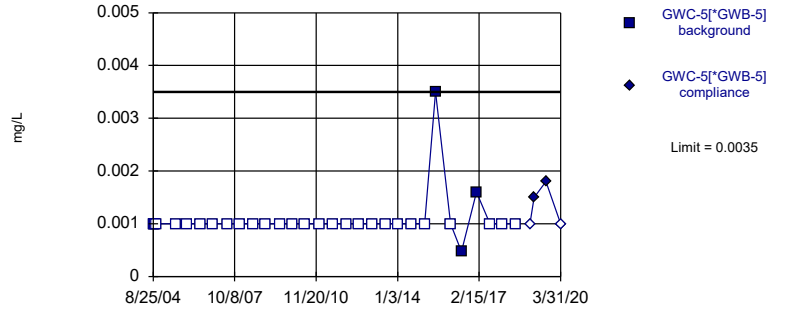
Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



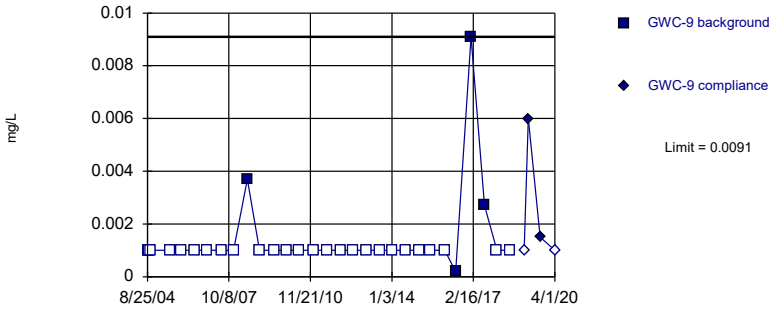
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



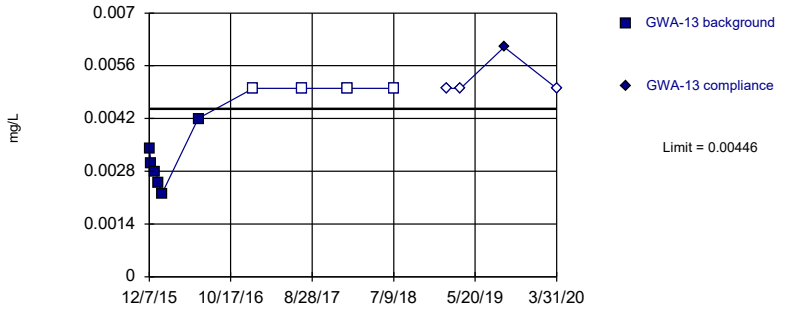
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



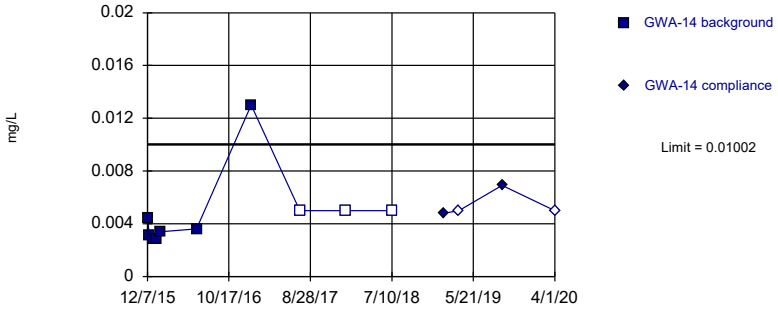
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003017, Std. Dev.=0.0006491, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8435, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



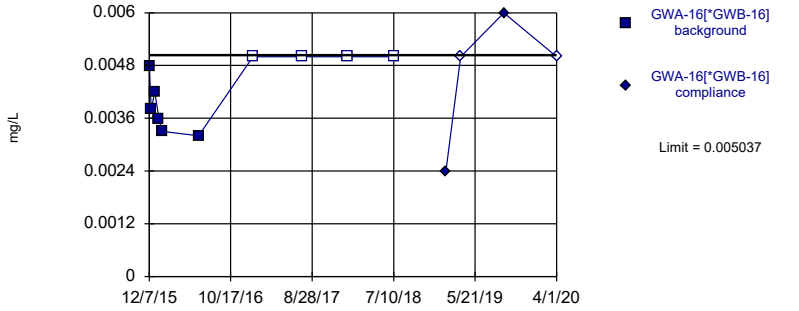
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.575, Std. Dev.=0.437, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8151, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003817, Std. Dev.=0.000549, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8234, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

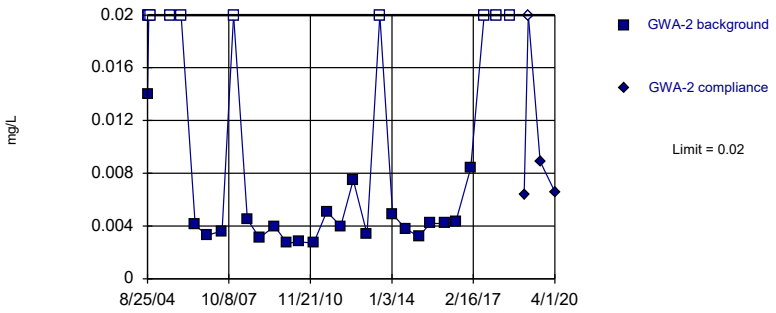
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

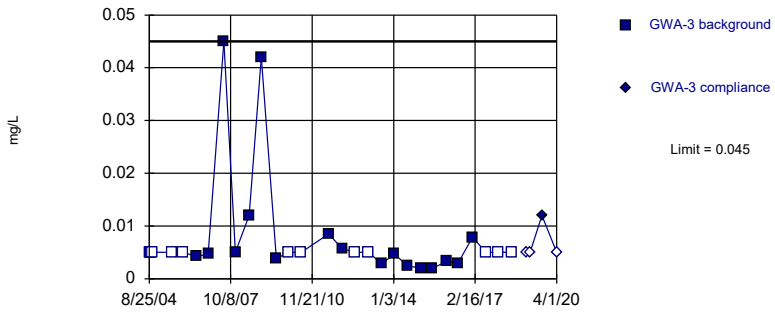
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 43.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

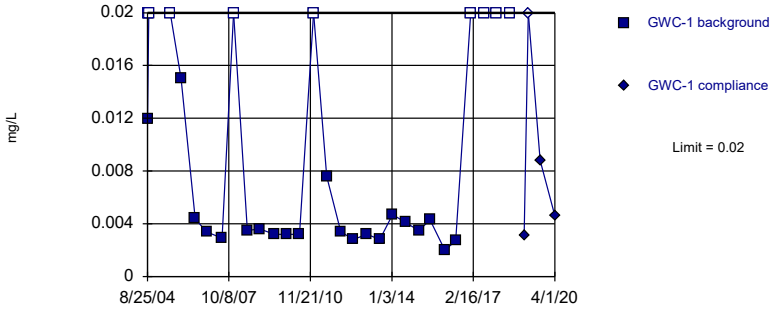
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 30% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

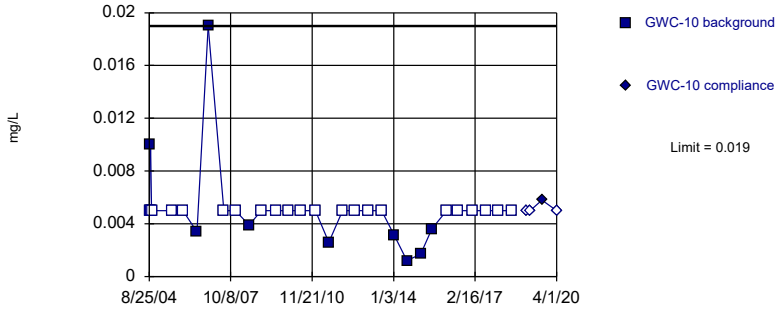
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 70.97% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

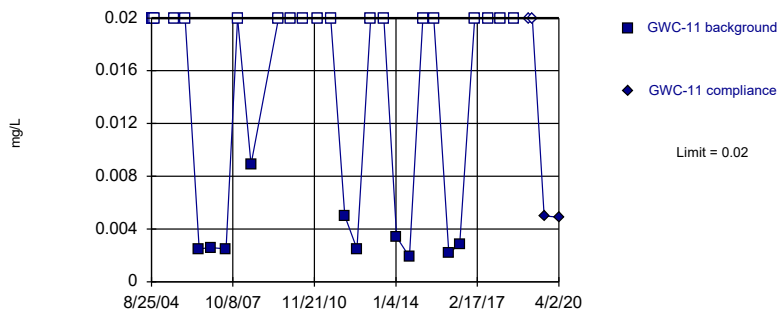
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

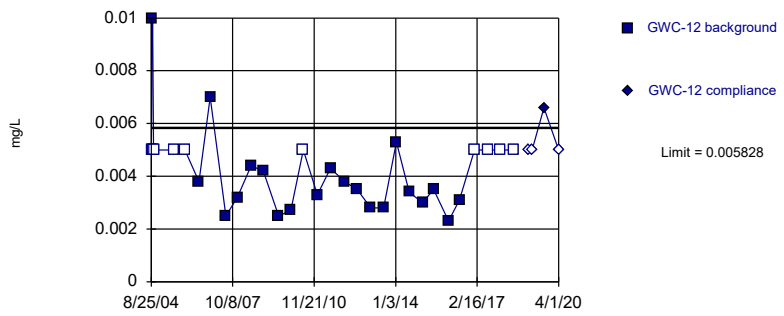
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=0.1507, Std. Dev.=0.01782, n=31, 32.26% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.902. Kappa = 1.641 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

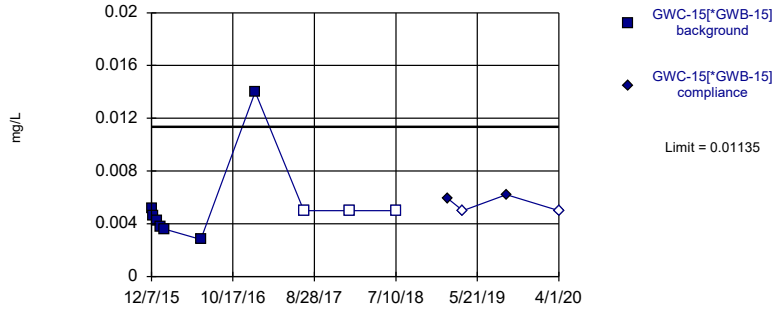
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=-5.422, Std. Dev.=0.4242, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7931, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

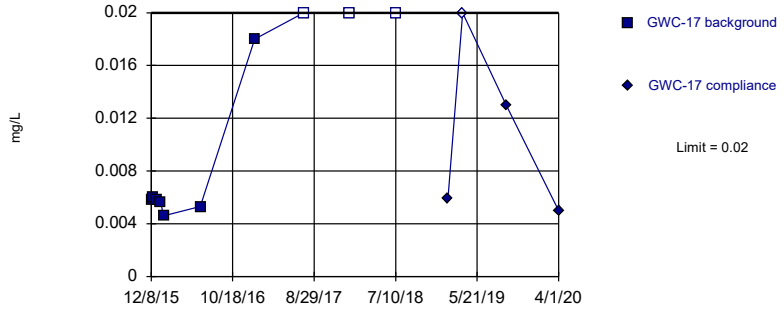
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 30% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

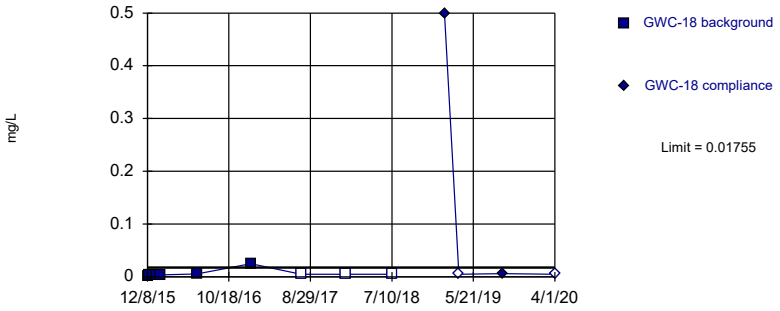
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=-5.696, Std. Dev.=0.7436, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8386, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

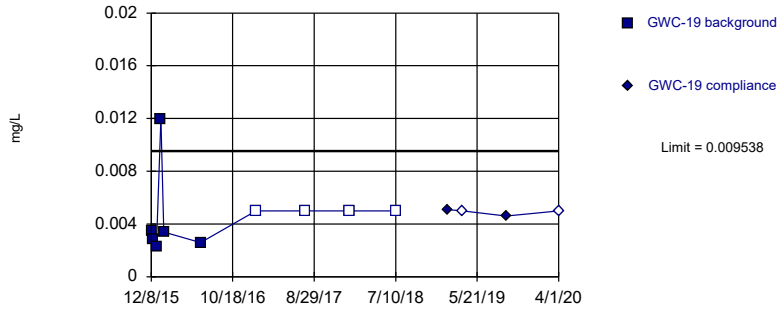
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=0.05943, Std. Dev.=0.01719, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8064, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

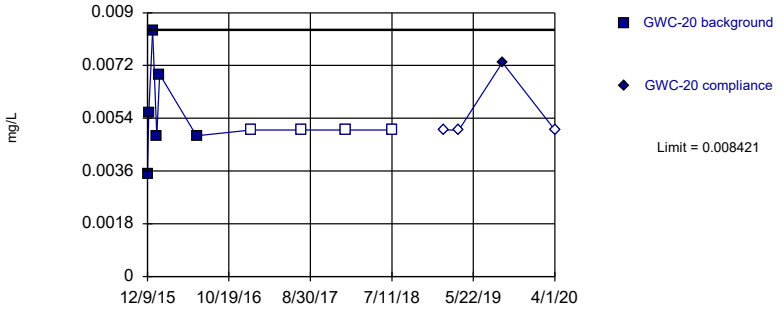
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004843, Std. Dev.=0.001609, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8304, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

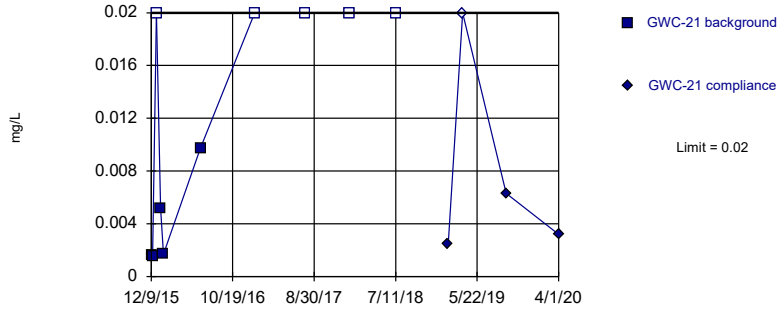
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

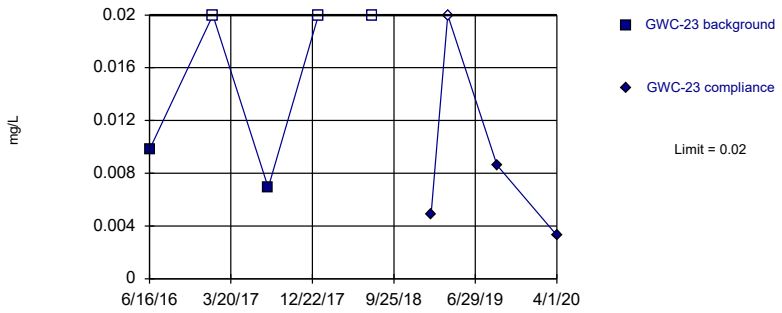
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

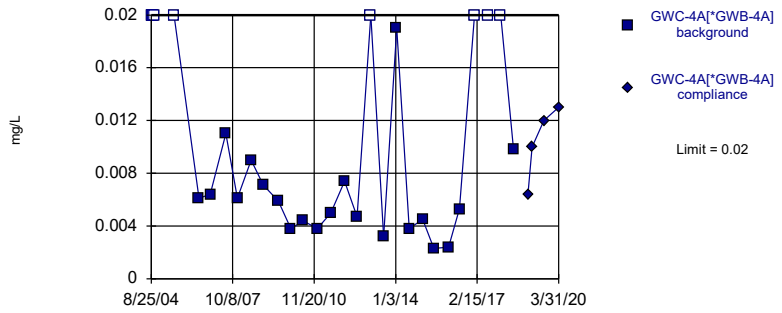
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 30% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

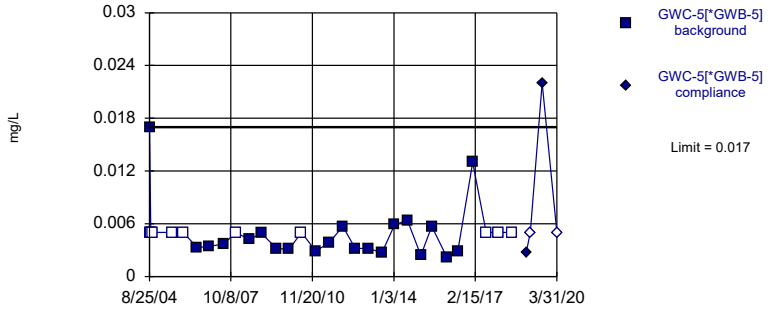
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

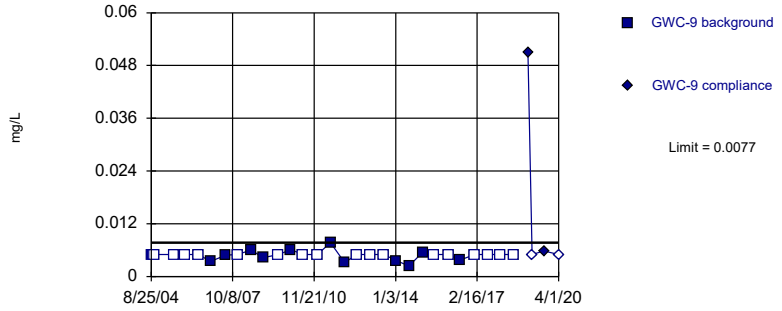
Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 64.52% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 6/12/2020 9:34 AM View: State Parameters
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00036 (J)
4/1/2020		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-10	GWC-10
8/25/2004	<0.0013	
9/11/2004	<0.0013	
9/26/2004	<0.0013	
10/13/2004	<0.0013	
7/11/2005	<0.0013	
12/7/2005	<0.0013	
6/22/2006	<0.0013	
11/28/2006	<0.0013	
7/6/2007	<0.0013	
12/13/2007	<0.0013	
6/20/2008	<0.0013	
12/7/2008	<0.0013	
7/10/2009	<0.0013	
12/29/2009	<0.0013	
6/22/2010	<0.0013	
1/4/2011	<0.0013	
7/10/2011	<0.0013	
1/21/2012	<0.0013	
7/11/2012	<0.0013	
1/20/2013	<0.0013	
7/19/2013	<0.0013	
1/16/2014	<0.0013	
7/10/2014	<0.0013	
1/16/2015	<0.0013	
6/20/2015	<0.0013	
1/16/2016	<0.0013	
4/21/2016	<0.0013	
6/16/2016	0.0004 (J)	
8/10/2016	<0.0013	
9/27/2016	<0.0013	
11/15/2016	<0.0013	
1/12/2017	0.00077 (J)	
3/1/2017	<0.0013	
4/24/2017	<0.0013	
7/24/2017	<0.0013	
1/11/2018	0.00046 (J)	
7/12/2018	<0.0013	
1/30/2019		<0.0013
3/27/2019		0.0013
9/11/2019		0.00082 (J)
4/1/2020		0.00055 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:36 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/21/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	0.00056 (J)	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.00075
9/11/2019		0.00033 (J)
4/1/2020		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.027	
12/14/2015	0.028	
12/28/2015	0.029	
1/13/2016	0.028	
1/25/2016	0.027	
4/20/2016	0.0259	
6/15/2016	0.024	
8/9/2016	0.023	
9/27/2016	0.021	
11/15/2016	0.023	
1/11/2017	0.021	
3/1/2017	0.022	
4/20/2017	0.022	
7/19/2017	0.024	
1/11/2018	0.022	
7/11/2018	0.023	
1/29/2019		0.026
3/26/2019		0.023
9/10/2019		0.039
4/1/2020		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.027	
12/15/2015	0.028	
12/28/2015	0.026	
1/13/2016	0.026	
1/25/2016	0.027	
4/21/2016	0.0262	
6/15/2016	0.024	
8/9/2016	0.023	
9/27/2016	0.023	
11/15/2016	0.023	
1/11/2017	0.022	
2/28/2017	0.023	
4/20/2017	0.024	
7/19/2017	0.025	
1/11/2018	0.023	
7/11/2018	0.025	
1/29/2019		0.027
3/26/2019		0.028
9/11/2019		0.023
4/1/2020		0.026

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	0.0096	
9/11/2004	0.024	
9/26/2004	0.027	
10/13/2004	0.022	
7/11/2005	0.029	
12/7/2005	0.023	
6/22/2006	0.026	
11/28/2006	0.039	
7/6/2007	0.037	
12/13/2007	0.029	
6/20/2008	0.037	
12/7/2008	0.025	
7/9/2009	0.028	
12/30/2009	0.017	
6/22/2010	0.032	
1/4/2011	0.02	
7/10/2011	0.032	
1/21/2012	0.026	
7/11/2012	0.023	
1/20/2013	0.011	
7/19/2013	0.018	
1/16/2014	0.015	
7/10/2014	0.025	
1/16/2015	0.022	
6/20/2015	0.015	
1/14/2016	0.016	
4/20/2016	0.0234	
6/14/2016	0.019	
8/11/2016	0.024	
9/27/2016	0.035	
11/14/2016	0.034	
1/10/2017	0.021	
2/28/2017	0.021	
4/20/2017	0.019	
7/18/2017	0.018	
1/10/2018	0.021	
7/11/2018	0.029	
1/29/2019		0.025
3/26/2019		0.023
9/10/2019		0.026
3/31/2020		0.017

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.016	
9/11/2004	0.02	
9/26/2004	0.016	
10/13/2004	0.014	
7/11/2005	0.014	
12/7/2005	0.014	
6/22/2006	0.019	
11/28/2006	0.016	
7/6/2007	0.018	
12/13/2007	0.015	
6/20/2008	0.018	
12/7/2008	0.016	
7/9/2009	0.019	
12/29/2009	0.02	
6/22/2010	0.027	
1/4/2011	0.025	
7/9/2011	0.022	
1/21/2012	0.024	
7/11/2012	0.024	
1/19/2013	0.026	
7/18/2013	0.024	
1/15/2014	0.026	
7/10/2014	0.036	
1/15/2015	0.035	
6/19/2015	0.066	
1/14/2016	0.059	
4/20/2016	0.0553	
6/14/2016	0.035	
8/9/2016	0.035	
9/27/2016	0.038	
11/15/2016	0.039	
1/11/2017	0.037	
1/19/2017	0.079	
1/24/2017	0.42 (o)	
2/28/2017	0.042	
4/20/2017	0.04	
7/18/2017	0.04	
1/10/2018	0.048	
7/11/2018	0.044	
1/29/2019		0.05
3/26/2019		0.046
9/10/2019		0.044
3/31/2020		0.044

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	0.00011 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00036 (J)
4/1/2020		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	<0.001	
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		0.00023 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/21/2016	<0.0025	
6/15/2016	3.8E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/11/2019		<0.0025
4/1/2020		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	0.0001 (J)	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	8.7E-05 (J)	
8/11/2016	<0.0025	
9/27/2016	<0.0025	
11/14/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00011 (J)
3/26/2019		<0.0025
9/10/2019		0.0006 (J)
3/31/2020		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	0.0011	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	<0.0025	
7/10/2014	<0.0025	
1/15/2015	<0.0025	
6/19/2015	0.00013 (J)	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	5.4E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
1/19/2017	<0.0025	
1/24/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		<0.0025
3/31/2020		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	<0.0025	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00015 (J)
4/1/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	0.000111 (J)	
6/14/2016	0.00013 (J)	
8/11/2016	<0.0025	
9/27/2016	<0.0025	
11/14/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00019 (J)
3/31/2020		<0.0025

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13	GWA-13
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/29/2015	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.01 (o)	
6/14/2016	0.0094 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/12/2017	<0.0025	
2/28/2017	0.0049	
4/20/2017	0.0011 (J)	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.0037 (J)
3/26/2019		0.0014
9/10/2019		0.0052
3/31/2020		0.0019 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	0.00072 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	0.0011 (J)	
1/11/2017	0.0012 (J)	
3/1/2017	0.0052	
4/20/2017	0.0013 (J)	
7/19/2017	0.0015 (J)	
1/11/2018	0.0013 (J)	
7/11/2018	0.0012 (J)	
1/29/2019		<0.0025
3/26/2019		0.0015
9/10/2019		0.004
4/1/2020		0.024

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	
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	
4/20/2016	<0.01 (o)	
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)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	
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	
4/20/2016	<0.01 (o)	
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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/28/2015	<0.0025	
1/25/2016	<0.0025	
4/21/2016	<0.0025	
6/15/2016	0.0008 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
2/28/2017	0.0051	
4/20/2017	0.0012 (J)	
7/19/2017	0.0013 (J)	
1/11/2018	0.0011 (J)	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		0.0016
9/11/2019		0.0038
4/1/2020		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	0.0022	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/30/2009	0.0078	
6/22/2010	<0.002	
1/4/2011	0.0037	
7/10/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	0.0096	
1/20/2013	0.0052	
7/19/2013	0.002	
1/16/2014	0.0061	
7/10/2014	<0.002	
1/16/2015	0.002	
6/20/2015	0.0011 (J)	
1/14/2016	0.0011 (J)	
4/20/2016	<0.002	
6/14/2016	0.0013 (J)	
8/11/2016	<0.002	
9/27/2016	<0.002	
11/14/2016	<0.002	
1/10/2017	<0.002	
2/28/2017	0.0048	
4/20/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.0031
3/31/2020		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.22 (O)	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	0.0023	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/29/2009	0.004	
6/22/2010	<0.002	
1/4/2011	0.0027	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	0.0038	
1/19/2013	0.002	
7/18/2013	0.0023	
1/15/2014	0.0012 (J)	
7/10/2014	0.0012 (J)	
1/15/2015	<0.002	
6/19/2015	0.0037	
1/14/2016	<0.002	
4/20/2016	<0.002	
6/14/2016	0.0011 (J)	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/11/2017	<0.002	
1/19/2017	0.002 (J)	
1/24/2017	<0.002	
2/28/2017	0.0054	
4/20/2017	0.0013 (J)	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.0041
3/31/2020		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.0012 (J)	
12/14/2015	0.001 (J)	
12/28/2015	0.0012 (J)	
1/13/2016	0.001 (J)	
1/25/2016	0.00089 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00063 (J)	
8/9/2016	0.00055 (J)	
9/27/2016	0.00059 (J)	
11/15/2016	0.0005 (J)	
1/11/2017	0.00044 (J)	
3/1/2017	0.00066 (J)	
4/20/2017	0.00045 (J)	
7/19/2017	0.00047 (J)	
1/11/2018	0.00043 (J)	
7/11/2018	0.00043 (J)	
1/29/2019		0.00044 (J)
3/26/2019		<0.0025
9/10/2019		0.0005
4/1/2020		0.00036 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-12	GWC-12
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	0.0039	
1/20/2012	<0.0025	
7/11/2012	0.012	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	0.005	
7/11/2014	0.00079 (J)	
1/15/2015	0.00069 (J)	
6/19/2015	0.0007 (J)	
1/16/2016	0.00061 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00051 (J)	
8/10/2016	0.00052 (J)	
9/27/2016	0.00077 (J)	
11/15/2016	0.00055 (J)	
1/12/2017	0.0005 (J)	
3/1/2017	0.00079 (J)	
4/20/2017	0.00056 (J)	
7/20/2017	0.00051 (J)	
1/11/2018	0.0006 (J)	
7/12/2018	0.00056 (J)	
1/30/2019		<0.0025
3/27/2019		0.00051
9/11/2019		0.00067
4/1/2020		0.00051 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.0011 (J)	
12/15/2015	0.0011 (J)	
12/28/2015	0.0016	
1/13/2016	0.0016	
1/25/2016	0.0014	
4/21/2016	<0.0025	
6/15/2016	0.00047 (J)	
8/9/2016	<0.0025	
9/27/2016	0.00045 (J)	
11/15/2016	0.00048 (J)	
1/11/2017	0.00046 (J)	
2/28/2017	0.00061 (J)	
4/20/2017	0.00042 (J)	
7/19/2017	0.00041 (J)	
1/11/2018	0.00044 (J)	
7/11/2018	0.0004 (J)	
1/29/2019		0.00037 (J)
3/26/2019		<0.0025
9/11/2019		0.00044 (J)
4/1/2020		0.00036 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	0.013	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	0.0061	
7/11/2012	0.01	
1/20/2013	0.0033	
7/19/2013	<0.0025	
1/16/2014	0.0027	
7/10/2014	<0.0025	
1/16/2015	0.0077	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	0.0004 (J)	
8/11/2016	0.0046	
9/27/2016	0.001 (J)	
11/14/2016	<0.0025	
1/10/2017	0.00044 (J)	
2/28/2017	0.001 (J)	
4/20/2017	0.00059 (J)	
7/18/2017	0.00079 (J)	
1/10/2018	0.0018 (J)	
7/11/2018	0.0044	
1/29/2019		0.0033
3/26/2019		0.0037
9/10/2019		0.0031
3/31/2020		0.0038

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.01	
9/11/2004	<0.01	
9/26/2004	<0.01	
10/13/2004	<0.01	
7/11/2005	<0.01	
12/7/2005	<0.01	
6/22/2006	<0.01	
11/28/2006	<0.01	
7/6/2007	<0.01	
12/13/2007	<0.01	
6/20/2008	<0.01	
12/7/2008	<0.01	
7/9/2009	<0.01	
12/29/2009	0.011	
6/22/2010	<0.01	
1/4/2011	<0.01	
7/9/2011	<0.01	
1/21/2012	<0.01	
7/11/2012	0.0072	
1/19/2013	<0.01	
7/18/2013	<0.01	
1/15/2014	0.00075 (J)	
7/10/2014	0.0007 (J)	
1/15/2015	0.0007 (J)	
6/19/2015	0.0011 (J)	
1/14/2016	0.00064 (J)	
4/20/2016	<0.01	
6/14/2016	0.0006 (J)	
8/9/2016	0.00062 (J)	
9/27/2016	0.00059 (J)	
11/15/2016	0.00064 (J)	
1/11/2017	0.00064 (J)	
1/19/2017	0.00046 (J)	
1/24/2017	0.009	
2/28/2017	0.00078 (J)	
4/20/2017	0.00065 (J)	
7/18/2017	0.00069 (J)	
1/10/2018	0.00068 (J)	
7/11/2018	0.00071 (J)	
1/29/2019		0.00064 (J)
3/26/2019		0.00064
9/10/2019		0.00074
3/31/2020		0.00067 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.001 (J)	
12/14/2015	<0.002	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	0.00081 (J)	
6/15/2016	<0.002	
1/11/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		<0.002
4/1/2020		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.00084 (J)	
12/15/2015	<0.002	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	<0.002	
6/15/2016	<0.002	
1/11/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/11/2019		<0.002
4/1/2020		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	0.0023	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/14/2016	<0.0025	
1/10/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		0.0021
9/10/2019		0.0016 (J)
3/31/2020		0.0051

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/29/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	<0.002	
7/18/2013	<0.002	
1/15/2014	<0.002	
7/10/2014	<0.002	
1/15/2015	<0.002	
6/19/2015	<0.002	
1/14/2016	0.00084 (J)	
6/14/2016	0.0021 (J)	
1/11/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		<0.002
3/31/2020		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00013 (J)
4/1/2020		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0013	
9/11/2004	<0.0013	
9/26/2004	<0.0013	
10/13/2004	<0.0013	
7/11/2005	<0.0013	
12/7/2005	<0.0013	
6/22/2006	<0.0013	
11/28/2006	<0.0013	
7/6/2007	<0.0013	
12/13/2007	<0.0013	
6/20/2008	<0.0013	
12/7/2008	<0.0013	
7/9/2009	<0.0013	
12/30/2009	<0.0013	
6/22/2010	<0.0013	
1/4/2011	<0.0013	
7/10/2011	<0.0013	
1/21/2012	<0.0013	
7/11/2012	<0.0013	
1/20/2013	<0.0013	
7/19/2013	<0.0013	
1/16/2014	<0.0013	
7/10/2014	<0.0013	
1/16/2015	<0.0013	
6/20/2015	<0.0013	
1/14/2016	<0.0013	
4/20/2016	<0.0013	
6/14/2016	<0.0013	
8/11/2016	<0.0013	
9/27/2016	<0.0013	
11/14/2016	<0.0013	
1/10/2017	<0.0013	
2/28/2017	<0.0013	
4/20/2017	<0.0013	
7/18/2017	<0.0013	
1/10/2018	<0.0013	
7/11/2018	<0.0013	
1/29/2019		<0.0013
3/26/2019		<0.0013
9/10/2019		0.00051 (J)
3/31/2020		0.00024 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	0.00019 (J)	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
1/19/2017	0.001 (J)	
1/24/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	0.00041 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00074 (J)
3/31/2020		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-14	GWA-14
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/29/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
6/14/2016	0.00052 (J)	
1/11/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.0004 (J)
3/26/2019		<0.0025
9/10/2019		0.00056 (J)
4/1/2020		0.00043 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	<0.001	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.0004 (J)
3/26/2019		<0.001
9/10/2019		0.00036 (J)
4/1/2020		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-11	GWC-11
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	0.0049	
1/19/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	0.0029	
1/16/2015	0.0014 (J)	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/15/2016	0.00085 (J)	
1/12/2017	<0.0025	
7/24/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00042 (J)
4/2/2020		0.0009 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	<0.001	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.00046 (J)
3/26/2019		<0.001
9/11/2019		0.00042 (J)
4/1/2020		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	0.0048	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	0.0026	
7/11/2012	0.0072	
1/20/2013	0.0025	
7/19/2013	<0.0025	
1/16/2014	0.0031	
7/10/2014	<0.0025	
1/16/2015	0.0024 (J)	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/14/2016	0.0013 (J)	
1/10/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	0.003	
1/29/2019		0.0021 (J)
3/26/2019		0.0021
9/10/2019		0.002
3/31/2020		0.0028

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	0.0031	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
6/14/2016	0.00054 (J)	
1/11/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00043 (J)
3/31/2020		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.005	
12/14/2015	<0.005	
12/28/2015	<0.005	
1/13/2016	<0.005	
1/25/2016	<0.005	
4/20/2016	<0.005	
6/15/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
3/1/2017	<0.005	
4/20/2017	<0.005	
7/19/2017	0.00025 (J)	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
4/1/2020		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.005	
12/15/2015	<0.005	
12/28/2015	<0.005	
1/13/2016	<0.005	
1/25/2016	<0.005	
4/21/2016	<0.005	
6/15/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
2/28/2017	<0.005	
4/20/2017	<0.005	
7/19/2017	0.00071 (J)	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/30/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/10/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/20/2013	<0.005	
7/19/2013	<0.005	
1/16/2014	<0.005	
7/10/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/14/2016	<0.005	
4/20/2016	<0.005	
6/14/2016	<0.005	
8/11/2016	<0.005	
9/27/2016	<0.005	
11/14/2016	<0.005	
1/10/2017	<0.005	
2/28/2017	0.0024	
4/20/2017	<0.005	
7/18/2017	0.00026 (J)	
1/10/2018	0.00069 (J)	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
3/31/2020		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/18/2013	<0.005	
1/15/2014	<0.005	
7/10/2014	<0.005	
1/15/2015	<0.005	
6/19/2015	<0.005	
1/14/2016	<0.005	
4/20/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
1/19/2017	0.0006 (J)	
1/24/2017	0.025 (o)	
2/28/2017	<0.005	
4/20/2017	<0.005	
7/18/2017	<0.005	
1/10/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
3/31/2020		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-14	GWA-14
12/7/2015	<0.0005	
12/15/2015	<0.0005	
12/29/2015	<0.0005	
1/13/2016	7.9E-05 (J)	
1/25/2016	<0.0005	
4/20/2016	<0.0005	
6/14/2016	<0.0005	
8/9/2016	<0.0005	
9/27/2016	<0.0005	
11/15/2016	<0.0005	
1/11/2017	<0.0005	
2/28/2017	<0.0005	
4/20/2017	<0.0005	
7/19/2017	<0.0005	
1/11/2018	<0.0005	
7/11/2018	<0.0005	
1/29/2019		<0.0005
3/26/2019		<0.0005
9/10/2019		0.00021 (J)
4/1/2020		0.00018 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.0002 (J)
4/1/2020		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-10	GWC-10
8/25/2004	<0.0005	
9/11/2004	<0.0005	
9/26/2004	<0.0005	
10/13/2004	<0.0005	
7/11/2005	<0.0005	
12/7/2005	<0.0005	
6/22/2006	<0.0005	
11/28/2006	<0.0005	
7/6/2007	<0.0005	
12/13/2007	<0.0005	
6/20/2008	<0.0005	
12/7/2008	<0.0005	
7/10/2009	<0.0005	
12/29/2009	<0.0005	
6/22/2010	<0.0005	
1/4/2011	<0.0005	
7/9/2011	<0.0005	
1/21/2012	<0.0005	
7/11/2012	<0.0005	
1/20/2013	<0.0005	
7/18/2013	<0.0005	
1/16/2014	<0.0005	
6/20/2015	<0.0005	
1/16/2016	<0.0005	
4/21/2016	<0.0005	
6/16/2016	<0.0005	
8/10/2016	<0.0005	
9/27/2016	<0.0005	
11/15/2016	<0.0005	
1/12/2017	<0.0005	
3/1/2017	<0.0005	
4/24/2017	<0.0005	
7/24/2017	<0.0005	
1/11/2018	<0.0005	
7/12/2018	<0.0005	
1/30/2019		<0.0005
3/27/2019		<0.0005
9/11/2019		0.0002 (J)
4/1/2020		0.00031 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13	GWA-13
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/14/2016	0.00055 (J)	
1/12/2017	0.0018 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.0018 (J)
3/26/2019		<0.001
9/10/2019		0.0027
3/31/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-14	GWA-14
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/14/2016	0.00033 (J)	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.002
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	0.00015 (J)	
1/11/2017	0.0015 (J)	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0019
9/10/2019		0.0019
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-2	GWA-2
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	0.0051	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/16/2016	<0.001	
6/14/2016	0.00044 (J)	
1/10/2017	0.0014 (J)	
7/17/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0019
9/11/2019		0.0014
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-3	GWA-3
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	0.0031	
12/13/2007	<0.001	
6/20/2008	0.005	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	0.056 (O)	
7/9/2011	0.0033	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
6/14/2016	0.00027 (J)	
1/10/2017	0.0015 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0047
9/11/2019		0.0012
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-1
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	0.0032	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	0.0017 (J)	
1/16/2016	<0.001	
6/15/2016	0.00031 (J)	
1/12/2017	0.0031	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.0013
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	0.00098 (J)	
6/20/2015	0.0019 (J)	
1/16/2016	0.0008 (J)	
6/16/2016	0.0011 (J)	
1/12/2017	0.0087	
7/24/2017	0.0027	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		0.0027 (J)
3/27/2019		0.0065
9/11/2019		0.0022
4/1/2020		0.0012

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-11	GWC-11
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	0.0093 (o)	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	0.001 (J)	
1/16/2015	0.00089 (J)	
6/20/2015	0.0017 (J)	
1/14/2016	0.0017 (J)	
6/15/2016	0.0018 (J)	
1/12/2017	0.01	
7/24/2017	0.0015 (J)	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		0.0016
9/11/2019		0.0025
4/2/2020		0.0016

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-12	GWC-12
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
6/15/2016	0.0004 (J)	
1/12/2017	0.0075	
7/20/2017	0.0015 (J)	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0078
9/11/2019		0.0011
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	0.0003 (J)	
1/11/2017	0.0017 (J)	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0041
9/11/2019		0.0016
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17	GWC-17
12/8/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/26/2016	<0.001	
6/15/2016	0.00047 (J)	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.004
9/11/2019		0.0018
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-20	GWC-20
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
6/16/2016	0.00054 (J)	
1/13/2017	0.0074	
7/25/2017	0.0034	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0031
9/11/2019		0.0018
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-21	GWC-21
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
6/16/2016	0.00048 (J)	
1/12/2017	0.0058	
7/25/2017	0.0029	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0049
9/11/2019		0.0015
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-23
6/16/2016	0.00063 (J)	
1/17/2017	0.0026	
7/25/2017	0.003	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0055
9/11/2019		0.0015
4/1/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	0.0033	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/30/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/16/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/14/2016	0.00028 (J)	
1/10/2017	0.0014 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0027
9/10/2019		0.0018
3/31/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	0.0035 (J)	
1/14/2016	<0.001	
6/14/2016	0.00047 (J)	
1/11/2017	0.0016 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0015
9/10/2019		0.0018
3/31/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-9
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	0.0037	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/15/2016	0.00019 (J)	
1/13/2017	0.0091	
7/24/2017	0.0027	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.006
9/11/2019		0.0015
4/1/2020		<0.001

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.0048	
12/14/2015	0.0038	
12/28/2015	0.0042	
1/13/2016	0.0036	
1/25/2016	0.0033	
6/15/2016	0.0032 (J)	
1/11/2017	<0.005	
7/19/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0024 (J)
3/26/2019		<0.005
9/10/2019		0.006
4/1/2020		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-1
8/25/2004	0.012	
9/11/2004	<0.02	
9/26/2004	<0.02	
7/11/2005	<0.02	
12/7/2005	0.015	
6/22/2006	0.0044	
11/28/2006	0.0034	
7/6/2007	0.0029	
12/13/2007	<0.02	
6/20/2008	0.0035	
12/7/2008	0.0036	
7/9/2009	0.0032	
12/28/2009	0.0032	
6/22/2010	0.0032	
1/4/2011	<0.02	
7/9/2011	0.0076	
1/21/2012	0.0034	
7/11/2012	0.0028	
1/20/2013	0.0032	
7/19/2013	0.0028	
1/15/2014	0.0047	
7/11/2014	0.0041	
1/16/2015	0.0035	
6/20/2015	0.0043	
1/16/2016	0.002 (J)	
6/15/2016	0.0027 (J)	
1/12/2017	<0.02	
7/19/2017	<0.02	
1/11/2018	<0.02	
7/12/2018	<0.02	
1/30/2019		0.0031 (J)
3/27/2019		<0.02
9/11/2019		0.0088
4/1/2020		0.0046 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-11	GWC-11
8/25/2004	<0.02	
9/11/2004	<0.02	
9/26/2004	<0.02	
10/13/2004	<0.02	
7/11/2005	<0.02	
12/7/2005	<0.02	
6/22/2006	0.0025	
11/28/2006	0.0026	
7/6/2007	0.0025	
12/13/2007	<0.02	
6/20/2008	0.0089	
12/7/2008	0.041 (O)	
7/10/2009	<0.02	
12/29/2009	<0.02	
6/22/2010	<0.02	
1/5/2011	<0.02	
7/9/2011	<0.02	
1/21/2012	0.005	
7/11/2012	0.0025	
1/19/2013	<0.02	
7/19/2013	<0.02	
1/15/2014	0.0034	
7/11/2014	0.0019 (J)	
1/16/2015	<0.02	
6/20/2015	<0.02	
1/14/2016	0.0022 (J)	
6/15/2016	0.0028 (J)	
1/12/2017	<0.02	
7/24/2017	<0.02	
1/11/2018	<0.02	
7/12/2018	<0.02	
1/30/2019		<0.02
3/27/2019		<0.02
9/11/2019		0.005
4/2/2020		0.0049 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.0052	
12/15/2015	0.0046	
12/28/2015	0.0042	
1/13/2016	0.0038	
1/25/2016	0.0036	
6/15/2016	0.0028 (J)	
1/11/2017	0.014 (J)	
7/19/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0059 (J)
3/26/2019		<0.005
9/11/2019		0.0062
4/1/2020		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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
3/27/2019		<0.005
9/11/2019		0.0058
4/1/2020		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-21	GWC-21
12/9/2015	0.0016 (J)	
12/14/2015	0.0015 (J)	
12/29/2015	<0.02	
1/14/2016	0.0052	
1/25/2016	0.0017 (J)	
6/16/2016	0.0097 (J)	
1/12/2017	<0.02	
7/25/2017	<0.02	
1/11/2018	<0.02	
7/11/2018	<0.02	
1/30/2019		0.0025 (J)
3/27/2019		<0.02
9/11/2019		0.0063
4/1/2020		0.0032 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.02	
9/11/2004	<0.02	
9/26/2004	<0.02	
10/13/2004	<0.02	
7/11/2005	<0.02	
12/7/2005	0.06 (O)	
6/22/2006	0.0061	
11/28/2006	0.0064	
7/6/2007	0.011	
12/13/2007	0.0061	
6/20/2008	0.009	
12/7/2008	0.0071	
7/9/2009	0.0059	
12/30/2009	0.0038	
6/22/2010	0.0044	
1/4/2011	0.0038	
7/10/2011	0.005	
1/21/2012	0.0074	
7/11/2012	0.0047	
1/20/2013	<0.02	
7/19/2013	0.0032	
1/16/2014	0.019	
7/10/2014	0.0038	
1/16/2015	0.0045	
6/20/2015	0.0023 (J)	
1/14/2016	0.0024 (J)	
6/14/2016	0.0053 (J)	
1/10/2017	<0.02	
7/18/2017	<0.02	
1/10/2018	<0.02	
7/11/2018	0.0098 (J)	
1/29/2019		0.0064 (J)
3/26/2019		0.01
9/10/2019		0.012
3/31/2020		0.013

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.017	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	0.0033	
11/28/2006	0.0034	
7/6/2007	0.0037	
12/13/2007	<0.005	
6/20/2008	0.0042	
12/7/2008	0.0049	
7/9/2009	0.0032	
12/29/2009	0.0031	
6/22/2010	<0.005	
1/4/2011	0.0029	
7/9/2011	0.0038	
1/21/2012	0.0057	
7/11/2012	0.0032	
1/19/2013	0.0032	
7/18/2013	0.0027	
1/15/2014	0.0059	
7/10/2014	0.0064	
1/15/2015	0.0024 (J)	
6/19/2015	0.0057	
1/14/2016	0.0022 (J)	
6/14/2016	0.0028 (J)	
1/11/2017	0.013 (J)	
7/18/2017	<0.005	
1/10/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0027 (J)
3/26/2019		<0.005
9/10/2019		0.022
3/31/2020		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 9:37 AM View: State Parameters

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

FIGURE E.

Appendix III Intrawell Prediction Limits - Signficant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:44 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**	**1.2**	**n/a**	**3/31/2020**	**1.4**	**Yes**	**14**	**n/a**	**n/a**	**64.29**	**n/a**	**n/a**	**0.008612**	**NP Intra (NDs) 1 of 2**

Appendix III Intrawell Prediction Limits - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/12/2020, 9:44 AM

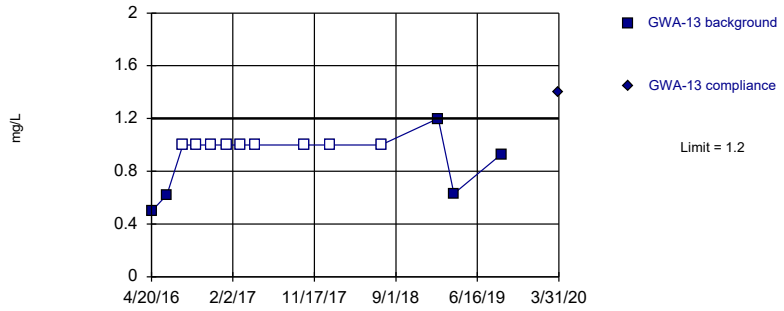
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	**GWA-13**	**1.2**	**n/a**	**3/31/2020**	**1.4**	**Yes**	**14**	**n/a**	**n/a**	**64.29**	**n/a**	**n/a**	**0.008612**	**NP Intra (NDs) 1 of 2**
Sulfate (mg/L)	GWA-14	6.271	n/a	4/1/2020	0.67	No	14	1.129	0.2915	21.43	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16[*GWB-16]	1	n/a	4/1/2020	0.73	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.685	n/a	4/1/2020	0.95	No	14	-0.1075	0.2566	50	Kaplan-Meier	ln(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	1.244	n/a	4/1/2020	1.1	No	14	0.8887	0.1448	42.86	Kaplan-Meier	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.516	n/a	4/1/2020	2	No	14	1.462	0.4296	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	6.13	n/a	4/1/2020	2.2	No	14	3.559	1.048	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.226	n/a	4/2/2020	3.4	No	14	4.562	0.6784	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	4/1/2020	0.91	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-15[*GWB-15]	1.2	n/a	4/1/2020	0.49	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	2.718	n/a	4/1/2020	1ND	No	14	1.068	0.2368	35.71	Kaplan-Meier	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	5.927	n/a	4/1/2020	4.1	No	14	4.774	0.4701	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	3.003	n/a	4/1/2020	2.1	No	14	1.936	0.4348	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	5.519	n/a	4/1/2020	1.6	No	14	1.362	0.4024	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.925	n/a	4/1/2020	0.81	No	14	1.103	0.3353	14.29	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	3.792	n/a	4/1/2020	2	No	13	2.577	0.485	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-4A[*GWB-4A]	14.53	n/a	3/31/2020	6.2	No	14	7.479	2.873	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5[*GWB-5]	1	n/a	3/31/2020	0.76	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.571	n/a	4/1/2020	4.1	No	14	1.088	0.2332	28.57	Kaplan-Meier	x^(1/3)	0.0008358	Param Intra 1 of 2

Sanitas™ v.9.6.25 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 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

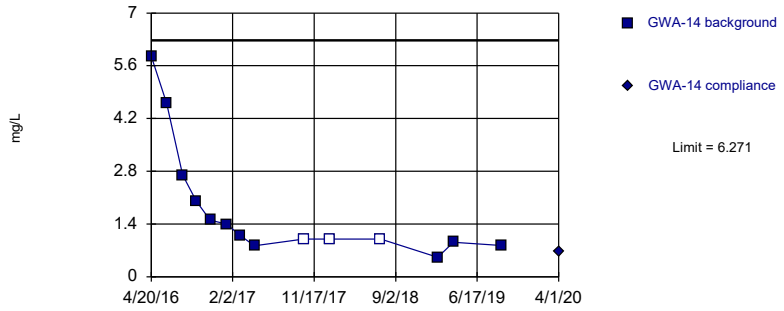
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=1.129, Std. Dev.=0.2915, n=14, 21.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8437, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

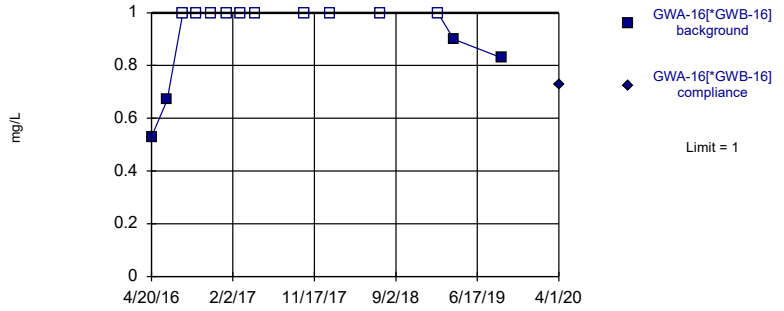
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

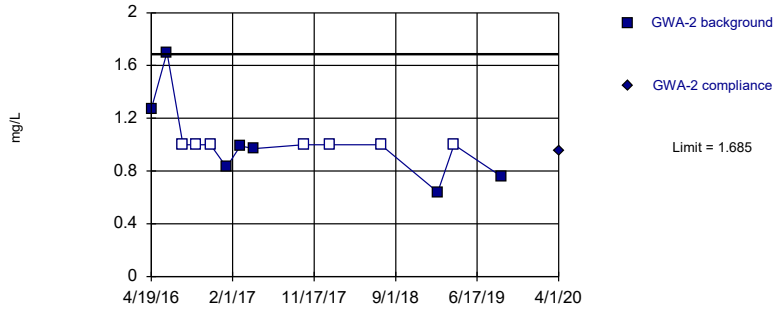
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=-0.1075, Std. Dev.=0.2566, n=14, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8375, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

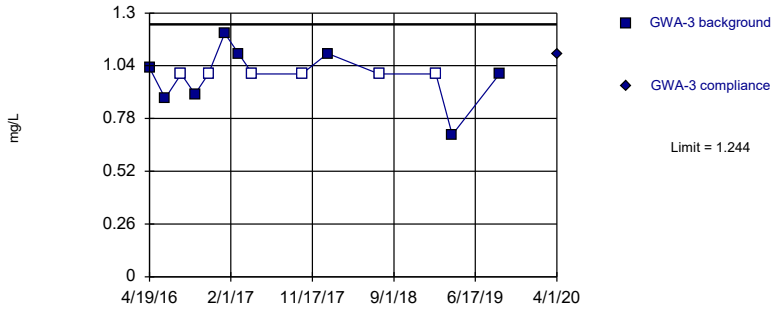
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.8887, Std. Dev.=0.1448, n=14, 42.86% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8712, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

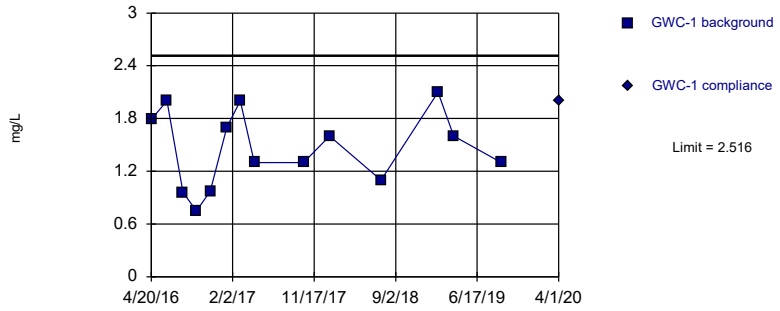
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.462, Std. Dev.=0.4296, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9508, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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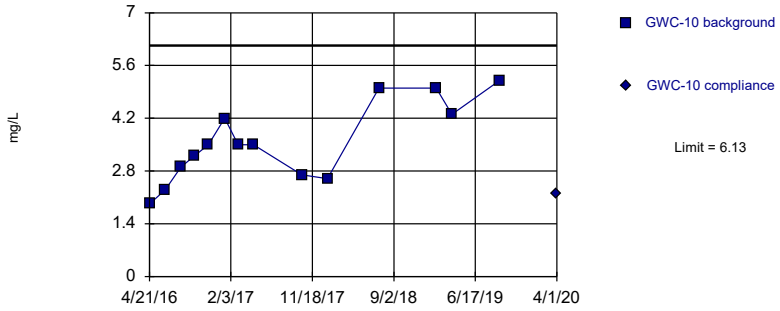
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=3.559, Std. Dev.=1.048, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9459, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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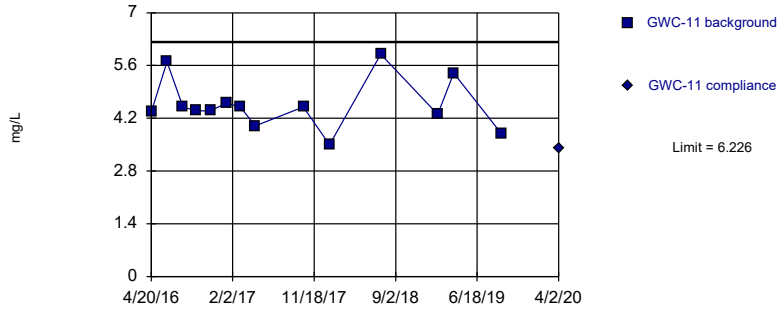
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.562, Std. Dev.=0.6784, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8957, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

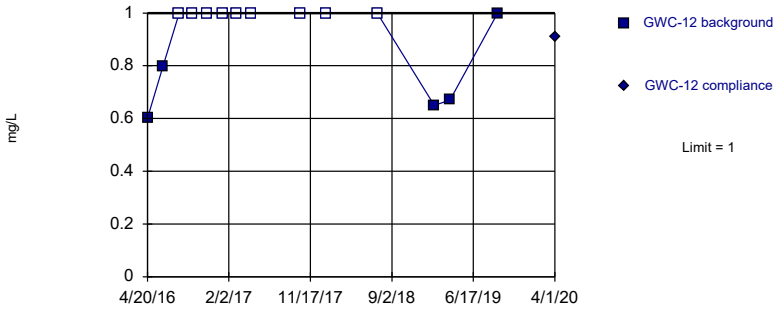
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

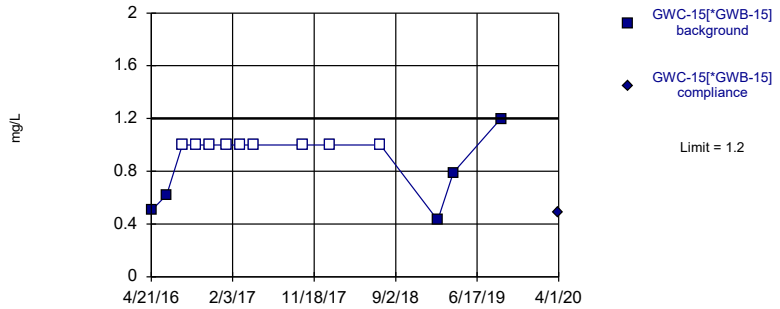
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

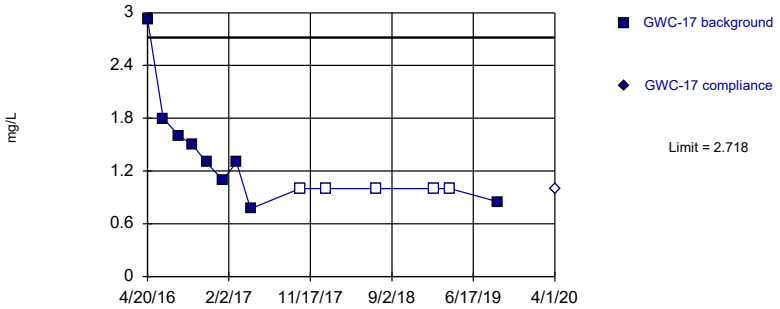
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 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=1.068, Std. Dev.=0.2368, n=14, 35.71% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8343, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

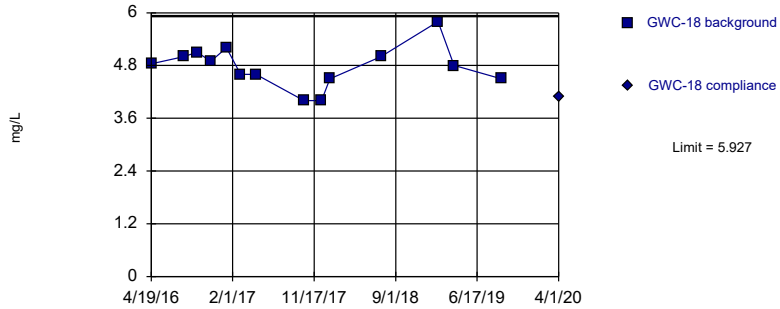
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



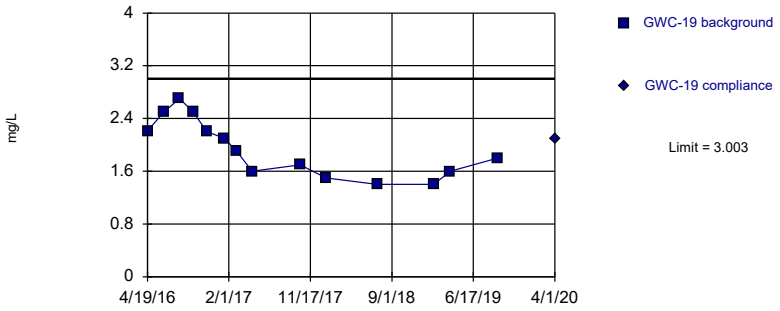
Background Data Summary: Mean=4.774, Std. Dev.=0.4701, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9518, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.936, Std. Dev.=0.4348, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9271, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

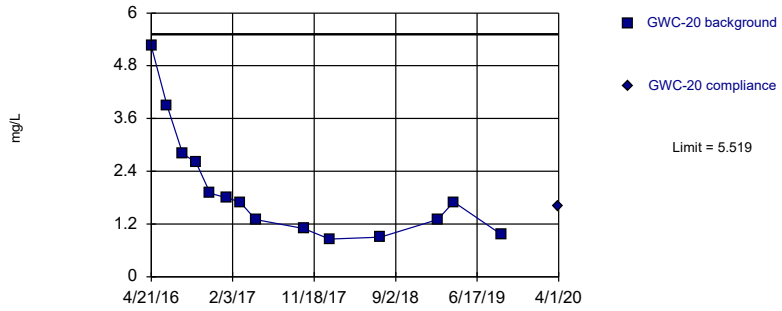
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.362, Std. Dev.=0.4024, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8941, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell

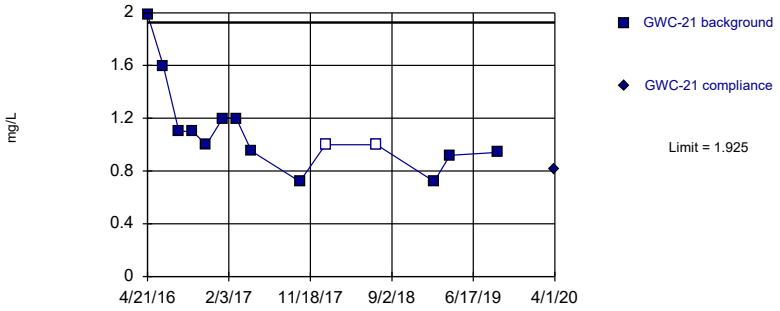
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.103, Std. Dev.=0.3353, n=14, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8287, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

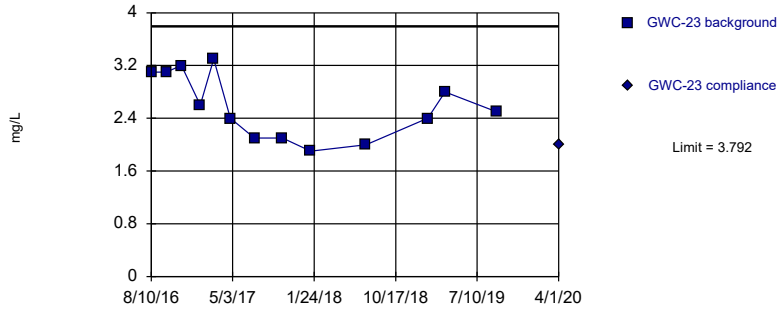
Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.577, Std. Dev.=0.485, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.814. Kappa = 2.504 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell

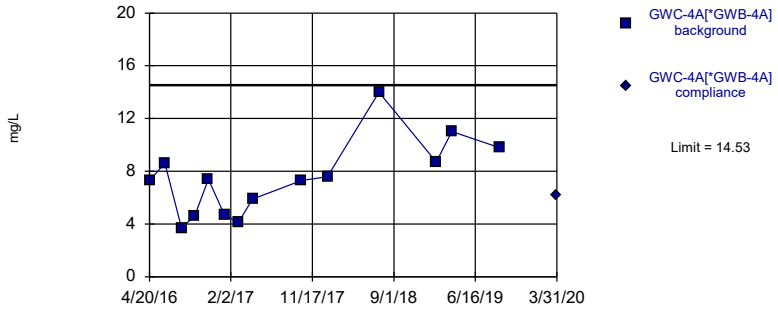
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.479, Std. Dev.=2.873, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

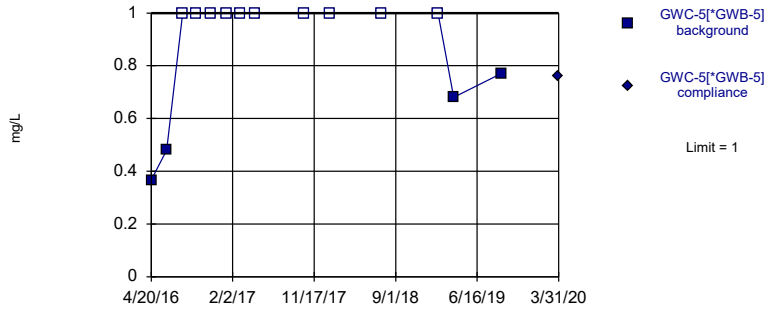
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

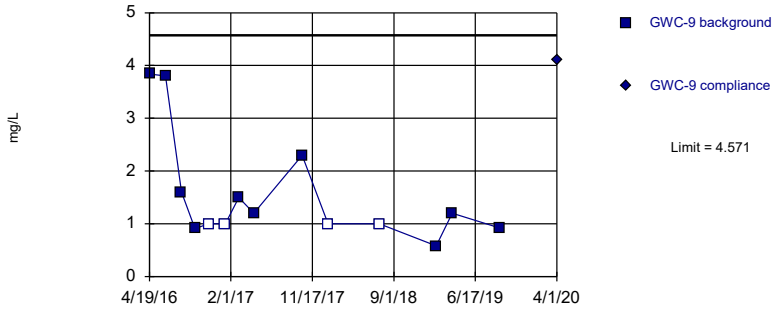
Sanitas™ v.9.6.25 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.088, Std. Dev.=0.2332, n=14, 28.57% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.829, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 6/12/2020 9:42 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
4/20/2016	0.53 (J)	
6/15/2016	0.67 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/11/2017	<1	
3/1/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/11/2018	<1	
7/11/2018	<1	
1/29/2019	<1	
3/26/2019	0.9	
9/10/2019	0.83 (J)	
4/1/2020		0.73 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
4/21/2016	0.503 (J)	
6/15/2016	0.62 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/11/2017	<1	
2/28/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/11/2018	<1	
7/11/2018	<1	
1/29/2019	0.43 (J)	
3/26/2019	0.79	
9/11/2019	1.2	
4/1/2020		0.49 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
4/20/2016	7.31	
6/14/2016	8.6	
8/11/2016	3.7	
9/27/2016	4.6	
11/14/2016	7.4	
1/10/2017	4.7	
2/28/2017	4.1	
4/20/2017	5.9	
10/10/2017	7.3	
1/10/2018	7.6	
7/11/2018	14	
1/29/2019	8.7	
3/26/2019	11	
9/10/2019	9.8	
3/31/2020		6.2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
4/20/2016	0.367 (J)	
6/14/2016	0.48 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/11/2017	<1	
2/28/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/10/2018	<1	
7/11/2018	<1	
1/29/2019	<1	
3/26/2019	0.68	
9/10/2019	0.77 (J)	
3/31/2020		0.76 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 9:44 AM View: Appendix III - Intrawell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

FIGURE F.

Appendix III Interwell Prediction Limits - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/17/2020, 12:50 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method	
Chloride (mg/L)	**GWC-9**	**9.4**	**n/a**	**4/1/2020**	**9.7**	**Yes**	**150**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008795**	**NP Inter**	**1 of 2**

Appendix III Interwell Prediction Limits - All Results

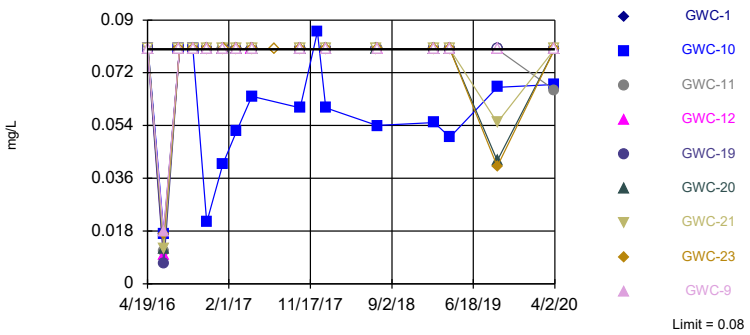
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/17/2020, 12:50 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method	
Boron (mg/L)	GWC-1	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-10	0.08	n/a	4/1/2020	0.068J	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-11	0.08	n/a	4/2/2020	0.066J	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-12	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-19	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-20	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-21	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-23	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Boron (mg/L)	GWC-9	0.08	n/a	4/1/2020	0.08ND	No	150	n/a	n/a	90.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Calcium (mg/L)	GWC-1	33.2	n/a	4/1/2020	1.9	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-10	33.2	n/a	4/1/2020	21	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-11	33.2	n/a	4/2/2020	8.5	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-12	33.2	n/a	4/1/2020	0.7	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-19	33.2	n/a	4/1/2020	8.7	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-20	33.2	n/a	4/1/2020	1.8	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-21	33.2	n/a	4/1/2020	1.1	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-23	33.2	n/a	4/1/2020	1.4	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Calcium (mg/L)	GWC-9	33.2	n/a	4/1/2020	0.2J	No	151	n/a	n/a	0	n/a	n/a	0.0000868	NP Inter	1 of 2
Chloride (mg/L)	GWC-1	9.4	n/a	4/1/2020	5.9	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-10	9.4	n/a	4/1/2020	6.9	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-11	9.4	n/a	4/2/2020	4.6	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-12	9.4	n/a	4/1/2020	3.7	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-19	9.4	n/a	4/1/2020	7.3	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-20	9.4	n/a	4/1/2020	8.6	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-21	9.4	n/a	4/1/2020	6.5	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	GWC-23	9.4	n/a	4/1/2020	4.9	No	150	n/a	n/a	0	n/a	n/a	0.00008795	NP Inter	1 of 2
Chloride (mg/L)	**GWC-9**	**9.4**	**n/a**	**4/1/2020**	**9.7**	**Yes**	**150**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008795**	**NP Inter**	**1 of 2**
Fluoride (mg/L)	GWC-1	0.74	n/a	4/1/2020	0.1ND	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	4/1/2020	0.26	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	4/2/2020	0.26	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	4/1/2020	0.1ND	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	4/1/2020	0.11	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	4/1/2020	0.082J	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	4/1/2020	0.04J	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	4/1/2020	0.05J	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	4/1/2020	0.051J	No	151	n/a	n/a	64.9	n/a	n/a	0.0000868	NP Inter	1 of 2
pH (S.U.)	GWC-1	7.1	4.21	4/1/2020	5	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-10	7.1	4.21	4/1/2020	6.52	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-11	7.1	4.21	4/2/2020	6.38	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-12	7.1	4.21	4/1/2020	5.05	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-19	7.1	4.21	4/1/2020	5.67	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-20	7.1	4.21	4/1/2020	5.03	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-21	7.1	4.21	4/1/2020	5.04	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-23	7.1	4.21	4/1/2020	5.23	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
pH (S.U.)	GWC-9	7.1	4.21	4/1/2020	4.93	No	170	n/a	n/a	0	n/a	n/a	0.000137	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-1	150	n/a	4/1/2020	39	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-10	150	n/a	4/1/2020	130	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-11	150	n/a	4/2/2020	63	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-12	150	n/a	4/1/2020	20	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-19	150	n/a	4/1/2020	52	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-20	150	n/a	4/1/2020	26	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-21	150	n/a	4/1/2020	21	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-23	150	n/a	4/1/2020	25	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2
Total Dissolved Solids (mg/L)	GWC-9	150	n/a	4/1/2020	36	No	150	n/a	n/a	12.67	n/a	n/a	0.00008795	NP Inter	1 of 2

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Interwell Non-parametric



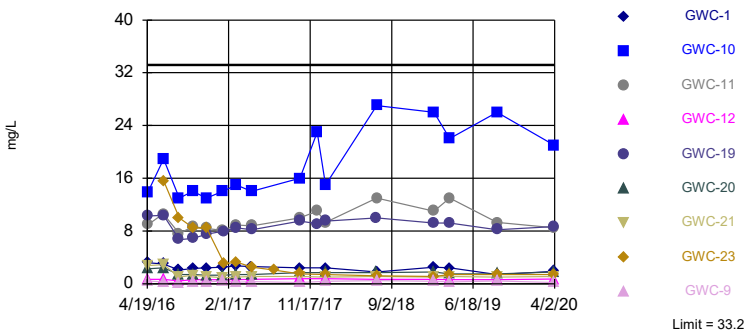
NP test selected by user. Limit is highest of 150 background values. 90.67% NDs. Annual per-constituent alpha = 0.001582. Individual comparison alpha = 0.00008795 (1 of 2). Comparing 9 points to limit.

Constituent: Boron Analysis Run 6/17/2020 12:48 PM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Within Limit

Prediction Limit

Interwell Non-parametric



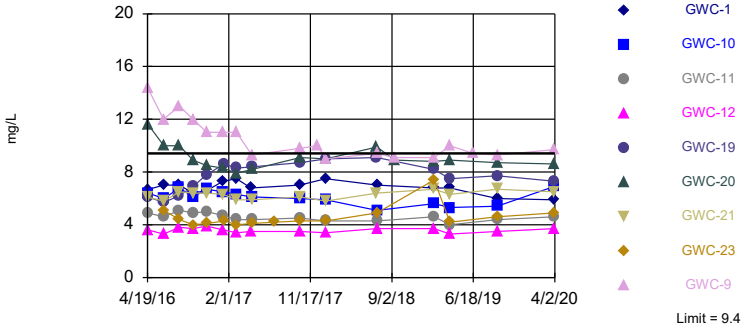
NP test selected by user. Limit is highest of 151 background values. Annual per-constituent alpha = 0.001561. Individual comparison alpha = 0.0000868 (1 of 2). Comparing 9 points to limit.

Constituent: Calcium Analysis Run 6/17/2020 12:48 PM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Exceeds Limit: GWC-9

Prediction Limit

Interwell Non-parametric



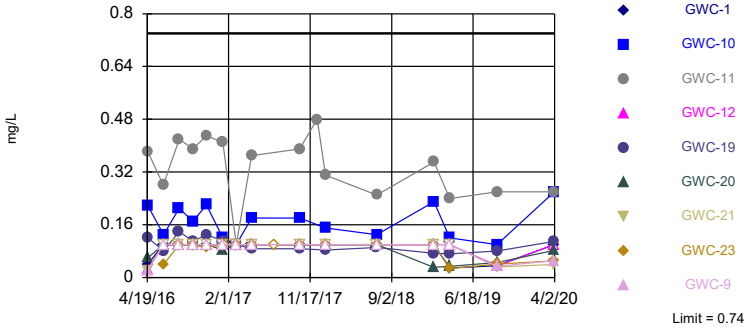
NP test selected by user. Limit is highest of 150 background values. Annual per-constituent alpha = 0.001582. Individual comparison alpha = 0.00008795 (1 of 2). Comparing 9 points to limit.

Constituent: Chloride Analysis Run 6/17/2020 12:48 PM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Interwell Non-parametric



NP test selected by user. Limit is highest of 151 background values. 64.9% NDs. Annual per-constituent alpha = 0.001561. Individual comparison alpha = 0.0000868 (1 of 2). Comparing 9 points to limit.

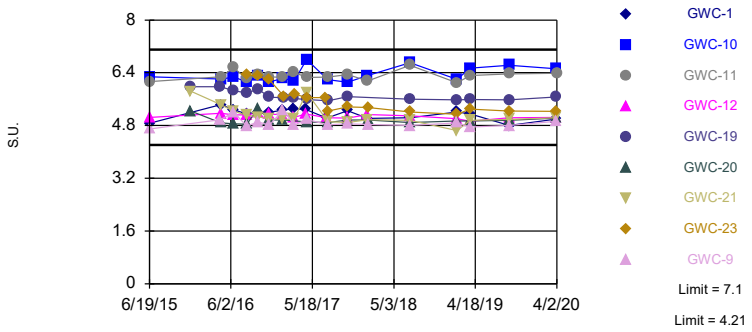
Constituent: Fluoride Analysis Run 6/17/2020 12:48 PM View: Appendix III - Interwell
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Interwell Non-parametric



NP test selected by user. Limits are highest and lowest of 170 background values. Annual per-constituent alpha = 0.002464. Individual comparison alpha = 0.000137 (1 of 2). Comparing 9 points to limit.

Constituent: pH Analysis Run 6/17/2020 12:48 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

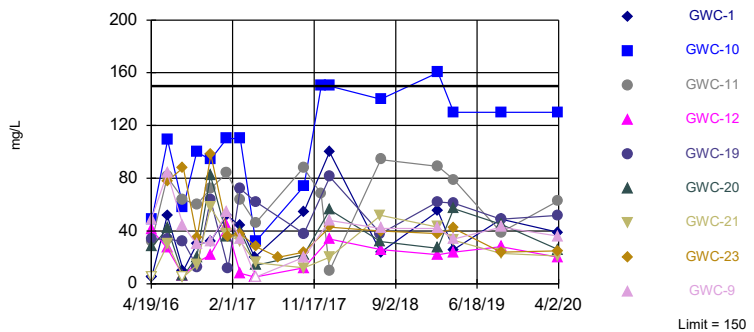
Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



NP test selected by user. Limit is highest of 150 background values. 12.67% NDs. Annual per-constituent alpha = 0.001582. Individual comparison alpha = 0.00008795 (1 of 2). Comparing 9 points to limit.

Constituent: Total Dissolved Solids Analysis Run 6/17/2020 12:48 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	<0.08	<0.08	<0.08	<0.08	<0.08				
4/20/2016						<0.08	<0.08	<0.08	<0.08
4/21/2016									
6/14/2016			0.0077 (J)	0.012 (J)		0.0086 (J)			
6/15/2016					0.018 (J)		0.011 (J)	0.0095 (J)	0.017 (J)
6/16/2016	0.011 (J)	0.0069 (J)							
8/9/2016			<0.08	<0.08		<0.08		<0.08	
8/10/2016		<0.08			<0.08		<0.08		<0.08
8/11/2016	<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						
11/15/2016		<0.08		<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
11/16/2016	<0.08								
1/10/2017			<0.08	<0.08					
1/11/2017	<0.08							<0.08	
1/12/2017						<0.08	<0.08		<0.08
1/13/2017					<0.08				
1/16/2017		<0.08							
1/17/2017									
2/28/2017			<0.08	0.022 (J)		<0.08			
3/1/2017	<0.08	<0.08			<0.08		<0.08	<0.08	<0.08
3/2/2017									
4/19/2017			<0.08	<0.08					
4/20/2017						<0.08		<0.08	<0.08
4/24/2017					<0.08		<0.08		
4/25/2017	<0.08	<0.08							
7/13/2017									
10/10/2017				<0.08					
10/11/2017			<0.08			<0.08	<0.08	<0.08	<0.08
10/12/2017	<0.08	<0.08			<0.08				
12/12/2017									
1/10/2018			<0.08	<0.08		<0.08			
1/11/2018							<0.08	<0.08	<0.08
1/12/2018	<0.08	<0.08			<0.08				
7/11/2018	<0.08	<0.08	<0.08	<0.08		<0.08		<0.08	
7/12/2018					<0.08		<0.08		<0.08
1/29/2019		<0.08	<0.08	<0.08		<0.08		<0.08	
1/30/2019	<0.08				<0.08		<0.08		<0.08
3/26/2019						<0.08			
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08
9/10/2019						0.061 (J)			
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08
3/31/2020						<0.08			
4/1/2020	<0.08	<0.08	<0.08	0.042 (J)	<0.08			<0.08	<0.08
4/2/2020							0.066 (J)		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4...	GWA-16[*GWB-1...	GWC-5[*GWB-5]...	GWA-14 (bg)	GWC-12	GWC-21	GWC-10	GWC-15[*GWB-1...	GWC-20
4/19/2016									
4/20/2016	<0.08	<0.08	<0.08	<0.08	<0.08				
4/21/2016						<0.08	<0.08	<0.08	<0.08
6/14/2016	0.01 (J)		0.011 (J)	0.0098 (J)					
6/15/2016		0.0085 (J)			0.01 (J)			0.0095 (J)	
6/16/2016						0.012 (J)	0.017 (J)		0.012 (J)
8/9/2016		<0.08	<0.08	<0.08				<0.08	
8/10/2016					<0.08	<0.08	<0.08		<0.08
8/11/2016	<0.08								
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	<0.08								
11/15/2016		<0.08	<0.08	<0.08	<0.08	<0.08	0.021 (J)	<0.08	<0.08
11/16/2016									
1/10/2017	<0.08								
1/11/2017		<0.08	<0.08	<0.08				<0.08	
1/12/2017					<0.08	<0.08	0.041 (J)		
1/13/2017									<0.08
1/16/2017									
1/17/2017									
2/28/2017	<0.08		<0.08	<0.08				<0.08	
3/1/2017		<0.08			<0.08	<0.08	0.052		<0.08
3/2/2017									
4/19/2017									
4/20/2017	<0.08	<0.08	<0.08	<0.08	<0.08			<0.08	
4/24/2017						<0.08	0.064		
4/25/2017									<0.08
7/13/2017									
10/10/2017	<0.08								
10/11/2017		<0.08	<0.08	<0.08				<0.08	
10/12/2017					<0.08	<0.08	0.06		<0.08
12/12/2017							0.086		
1/10/2018	<0.08		<0.08						
1/11/2018		<0.08		<0.08	<0.08	<0.08	0.06	<0.08	
1/12/2018									<0.08
7/11/2018	<0.08	<0.08	<0.08	<0.08		<0.08		<0.08	<0.08
7/12/2018					<0.08		0.054		
1/29/2019	<0.08	<0.08	<0.08	<0.08				<0.08	<0.08
1/30/2019					<0.08	<0.08	0.055		
3/26/2019	<0.08	<0.08	<0.08	<0.08				<0.08	
3/27/2019					<0.08	<0.08	0.05		<0.08
9/10/2019	0.052 (J)	<0.08	<0.08	<0.08					
9/11/2019					<0.08	0.055 (J)	0.067 (J)	<0.08	0.042 (J)
3/31/2020	<0.08		<0.08						
4/1/2020		<0.08		<0.08	<0.08	<0.08	0.068 (J)	<0.08	<0.08
4/2/2020									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWA-3 (bg)	GWA-13 (bg)	GWA-16[*GWB-1...	GWC-4A[*GWB-4...	GWC-1
4/19/2016	0.431 (J)	26	10.3	0.485 (J)	1.13				
4/20/2016						0.389 (J)	0.472 (J)	1.12	3.22
4/21/2016									
6/14/2016				0.72	1	0.37 (J)		1.1	
6/15/2016	0.27 (J)						0.42 (J)		3
6/16/2016		33.2	10.4						
8/9/2016				0.24 (J)	0.71	0.14 (J)	0.19		
8/10/2016	0.13 (J)		6.7						2.1
8/11/2016		18						1.9	
9/26/2016				0.48					
9/27/2016	0.21 (J)				0.77	0.33	0.39	3.4	2.3
9/28/2016		17	6.9						
11/14/2016					0.75			3.1	
11/15/2016	0.27		7.5	0.54		0.28	0.39		2.4
11/16/2016		17							
1/10/2017				0.62	0.73			1.5	
1/11/2017		15					0.36		
1/12/2017						0.37			2.5
1/13/2017	0.41								
1/16/2017			8						
1/17/2017									
2/28/2017				0.91	0.76	0.26		1.1	
3/1/2017	0.25	16	8.5				0.38		2.7
3/2/2017									
4/19/2017				0.75	0.69				
4/20/2017						0.27	0.41	0.98	2.6
4/24/2017	0.34								
4/25/2017		17	8.2						
7/13/2017									
10/10/2017				0.54				0.8	
10/11/2017					0.73	0.3	0.4		2.4
10/12/2017	0.21 (J)	14	9.5						
12/12/2017			9.1						
12/13/2017		12							
1/10/2018				0.52	0.88	0.27		0.82	
1/11/2018							0.43		2.4
1/12/2018	0.4	15	9.5						
7/11/2018		12	10	0.5	0.81	0.32	0.45	1	
7/12/2018	0.49								1.8
1/29/2019			9.2	0.53	0.85	0.33	0.41	0.83	
1/30/2019	0.38 (J)	14							2.5
3/26/2019						0.3	0.37	0.53	
3/27/2019	0.28	11	9.2	0.37	0.73				2.4
9/10/2019						0.37 (J)	0.41 (J)	0.64	
9/11/2019	0.44 (J)	13	8.2	0.43 (J)	0.76				1.4
3/31/2020						0.42 (J)		0.8	
4/1/2020	0.2 (J)	11	8.7	0.47 (J)	0.72		0.43 (J)		1.9
4/2/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWA-14 (bg)	GWC-5[*GWB-5]...	GWC-21	GWC-20	GWC-10	GWC-15[*GWB-1...
4/19/2016									
4/20/2016	8.94	0.69	2.48	0.686	4.39				
4/21/2016						2.78	2.29	13.9	0.686
6/14/2016				0.62	2.4				
6/15/2016	10.6	0.69	2.2						0.61
6/16/2016						2.9	2.4	18.9	
8/9/2016			1.8	0.39	2				0.21 (J)
8/10/2016	7.6	0.45				0.99	1.4	13	
8/11/2016									
9/26/2016									
9/27/2016	8.7	0.61	1.9	0.52	2.9	1.3	1.4	14	0.4
9/28/2016									
11/14/2016									
11/15/2016	8.4	0.61	2.1	0.5	2.5	1.1	1.3	13	0.35
11/16/2016									
1/10/2017									
1/11/2017			2	0.47	2.5				0.34
1/12/2017	8.1	0.6				0.93		14	
1/13/2017							1.3		
1/16/2017									
1/17/2017									
2/28/2017				0.47	2.7				0.37
3/1/2017	8.9	0.61	2.1			1	1.4	15	
3/2/2017									
4/19/2017									
4/20/2017		0.65	2	0.5	2.8				0.43
4/24/2017	8.8					1.1		14	
4/25/2017							1.4		
7/13/2017									
10/10/2017									
10/11/2017	10		2.1	0.49	3.3				0.41
10/12/2017		0.76				1.1	1.7	16	
12/12/2017								23	
12/13/2017	11								
1/10/2018					3.3				
1/11/2018	9.3	0.78	2.1	0.51		1		15	0.41
1/12/2018							1.7		
7/11/2018			2.1	0.47	3	1.1	1.7		0.53
7/12/2018	13	0.67						27	
1/29/2019			2.2	0.51	3.3		1.8		0.91
1/30/2019	11	0.68 (J)				1 (J)		26	
3/26/2019				0.42	2.8				0.58
3/27/2019	13	0.62	2			1.1	1.5	22	
9/10/2019				0.47 (J)	2.3				
9/11/2019	9.3	0.62	2			1	1.5	26	0.42 (J)
3/31/2020					2.9				
4/1/2020		0.7	2.1	0.49 (J)		1.1	1.8	21	2.3
4/2/2020	8.5								

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-19	GWC-18 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWC-17 (bg)	GWC-12	GWC-11	GWC-4A[*GWB-4...
4/19/2016	6.1	5.03	9.4	5.01	14.4				
4/20/2016						4.25	3.61	4.9	2.93
4/21/2016									
6/14/2016			8.3	5					2.9
6/15/2016					12	4.1	3.3	4.6	
6/16/2016	5.7	4.7							
8/9/2016			8.6	5.1		4.5			
8/10/2016	6.2				13		3.8	5.1	
8/11/2016		5.3							3.6
9/26/2016				5.1					
9/27/2016			6.3		12	4.4	3.7	4.9	3.4
9/28/2016	6.9	5.1							
11/14/2016			6.1						4.2
11/15/2016	7.8			5.2	11	4.5	3.9	5	
11/16/2016		5.2							
1/10/2017			6.1	4.9					3.6
1/11/2017		5				4.2			
1/12/2017							3.6	4.7	
1/13/2017					11				
1/16/2017	8.6								
1/17/2017									
2/28/2017			6.2	4.7					3.3
3/1/2017	8.3	4.6			11	3.9	3.4	4.4	
3/2/2017									
4/19/2017			5	4.4					
4/20/2017						4	3.5		3.5
4/24/2017					9.3			4.4	
4/25/2017	8.4	4.6							
7/13/2017									
10/10/2017				4.7					3.9
10/11/2017			4.1			4.1		4.5	
10/12/2017	8.7	4.6			9.8		3.5		
12/12/2017					10				
1/10/2018			4.2	4.6					3.3
1/11/2018						4.1	3.4	4.3	
1/12/2018	9	4.5			9				
7/11/2018	9.1	4.9	4.3	5		4.4			3.2
7/12/2018					9.4		3.7	4.3	
9/13/2018					9.1				
1/29/2019	8.2		4	5		4.5			3.4
1/30/2019		4.8			9.1		3.7	4.6	
3/26/2019									3.7
3/27/2019	7.5	4.3	3.5	4.5	10	4.1	3.3	4	
6/17/2019					9.4				
9/10/2019									3.6
9/11/2019	7.7	4.5	3.5	4.8	9.3	4.3	3.5	4.4	
3/31/2020									4.9
4/1/2020	7.3	4.7	3.7	4.9	9.7	4.6	3.7		
4/2/2020								4.6	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-5[*GWB-5]...	GWA-16[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)	GWC-20	GWC-21	GWC-15[*GWB-1...	GWC-10
4/19/2016									
4/20/2016	6.68	3.69	3.92	4.55	3.49				
4/21/2016						11.6	6.08	3.99	6.41
6/14/2016		3.5		4.3	3.4				
6/15/2016	7		3.8					3.5	
6/16/2016						10	5.8		6
8/9/2016		3.7	4	4.5	3.7			4	
8/10/2016	7					10	6.5		6.8
8/11/2016									
9/26/2016									
9/27/2016	6.4	3.6	3.9	4.4	3.8	8.9	6.4	3.9	6.1
9/28/2016									
11/14/2016									
11/15/2016	6.6	3.7	4	4.5	3.8	8.5	6.4	4	6.7
11/16/2016									
1/10/2017									
1/11/2017		3.5	3.7	4.3				3.8	
1/12/2017	7.3				3.5		6.3		6.5
1/13/2017						8.3			
1/16/2017									
1/17/2017									
2/28/2017		3.3		4	3.6			3.5	
3/1/2017	7.5		3.5			7.9	5.9		6.3
3/2/2017									
4/19/2017									
4/20/2017	6.8	3.3	3.6	4	3.4			3.3	
4/24/2017							5.9		6.1
4/25/2017						8.2			
7/13/2017									
10/10/2017									
10/11/2017	7	3.2	3.5	4	3.4			3.5	
10/12/2017						9.1	6.1		6
12/12/2017									
1/10/2018		3.2			3.4				
1/11/2018	7.5		3.4	3.9			5.8	3.4	5.9
1/12/2018						9			
7/11/2018		3.5	3.7	4.2	3.4	9.9	6.4	3.8	
7/12/2018	7								5.1
9/13/2018						8.9			
1/29/2019		3.6	3.8	4	3.6	8.8		3.7	
1/30/2019	6.8						6.7		5.6
3/26/2019		3.6	3.6	4.1	3.5			3.8	
3/27/2019	6.8					8.9	6.3		5.3
6/17/2019									
9/10/2019		3.5	3.7	4	3.3				
9/11/2019	6					8.7	6.7	3.7	5.4
3/31/2020		4.1			3.7				
4/1/2020	5.9		3.8	4.2		8.6	6.5	3.8	6.9
4/2/2020									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-18 (bg)	GWC-19	GWA-2 (bg)	GWA-3 (bg)	GWA-13 (bg)	GWA-16[*GWB-1...	GWC-4A[*GWB-4...	GWC-1
4/19/2016	0.02 (J)	0.706	0.122 (J)	0.03 (J)	0.022 (J)				
4/20/2016						0.018 (J)	0.022 (J)	0.028 (J)	0.04 (J)
4/21/2016									
6/14/2016				0.02 (J)	<0.1	<0.1		<0.1	
6/15/2016	<0.1						<0.1		<0.1
6/16/2016		0.56	0.08 (J)						
8/9/2016				<0.1	<0.1	<0.1	<0.1		
8/10/2016	<0.1		0.14 (J)						<0.1
8/11/2016		0.74						<0.1	
9/26/2016				<0.1					
9/27/2016	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1
9/28/2016		0.7	0.11 (J)						
11/14/2016					<0.1			<0.1	
11/15/2016	<0.1		0.13 (J)	<0.1		<0.1	<0.1		<0.1
11/16/2016		0.71							
1/10/2017				<0.1	<0.1			<0.1	
1/11/2017		0.51					<0.1		
1/12/2017						<0.1			<0.1
1/13/2017	<0.1								
1/16/2017			0.11 (J)						
1/17/2017									
2/28/2017				<0.1	<0.1	<0.1		<0.1	
3/1/2017	<0.1	0.61	<0.1				<0.1		<0.1
3/2/2017									
4/19/2017				<0.1	<0.1				
4/20/2017						<0.1	<0.1	<0.1	<0.1
4/24/2017	<0.1								
4/25/2017		0.65	0.087 (J)						
7/13/2017									
10/10/2017				<0.1				<0.1	
10/11/2017					<0.1	<0.1	<0.1		<0.1
10/12/2017	<0.1	0.6	0.087 (J)						
12/13/2017		0.61							
1/10/2018				<0.1	<0.1	<0.1		<0.1	
1/11/2018							<0.1		<0.1
1/12/2018	<0.1	0.55	0.083 (J)						
7/11/2018		0.59	0.091 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	
7/12/2018	<0.1								<0.1
1/29/2019			0.074 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	
1/30/2019	<0.1	0.65							<0.1
3/26/2019						<0.1	<0.1	<0.1	
3/27/2019	<0.1	0.49	0.072	<0.1	<0.1				0.029
9/10/2019						0.034 (J)	0.035 (J)	0.044 (J)	
9/11/2019	0.034 (J)	0.47	0.08 (J)	0.037 (J)	0.033 (J)				0.036 (J)
3/31/2020						0.046 (J)		0.043 (J)	
4/1/2020	0.051 (J)	0.59	0.11	<0.1	<0.1		<0.1		<0.1
4/2/2020									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-11	GWC-12	GWC-17 (bg)	GWA-14 (bg)	GWC-5[*GWB-5]...	GWC-21	GWC-20	GWC-10	GWC-15[*GWB-1...
4/19/2016									
4/20/2016	0.383	0.026 (J)	0.147 (J)	0.021 (J)	0.032 (J)				
4/21/2016						0.022 (J)	0.06 (J)	0.217 (J)	0.019 (J)
6/14/2016				<0.1	<0.1				
6/15/2016	0.28 (J)	<0.1	0.1 (J)						<0.1
6/16/2016						<0.1	<0.1	0.13 (J)	
8/9/2016			0.16 (J)	<0.1	<0.1				<0.1
8/10/2016	0.42	<0.1				<0.1	<0.1	0.21	
8/11/2016									
9/26/2016									
9/27/2016	0.39	<0.1	0.14 (J)	<0.1	<0.1	<0.1	<0.1	0.17 (J)	<0.1
9/28/2016									
11/14/2016									
11/15/2016	0.43	<0.1	0.16 (J)	<0.1	<0.1	<0.1	<0.1	0.22	<0.1
11/16/2016									
1/10/2017									
1/11/2017			0.16 (J)	<0.1	<0.1				<0.1
1/12/2017	0.41	<0.1				<0.1		0.12 (J)	
1/13/2017							0.083 (J)		
1/16/2017									
1/17/2017									
2/28/2017				<0.1	<0.1				<0.1
3/1/2017	<0.1	<0.1	<0.1			<0.1	<0.1	<0.1	
3/2/2017									
4/19/2017									
4/20/2017		<0.1	0.12 (J)	<0.1	<0.1				<0.1
4/24/2017	0.37					<0.1		0.18 (J)	
4/25/2017							<0.1		
7/13/2017									
10/10/2017									
10/11/2017	0.39		0.11 (J)	<0.1	<0.1				<0.1
10/12/2017		<0.1				<0.1	<0.1	0.18 (J)	
12/13/2017	0.48								
1/10/2018					<0.1				
1/11/2018	0.31	<0.1	0.12 (J)	<0.1		<0.1		0.15 (J)	<0.1
1/12/2018							<0.1		
7/11/2018			0.13 (J)	<0.1	<0.1	<0.1	<0.1		<0.1
7/12/2018	0.25	<0.1						0.13 (J)	
1/29/2019			0.13 (J)	<0.1	<0.1		0.031 (J)		<0.1
1/30/2019	0.35	<0.1				<0.1		0.23 (J)	
3/26/2019				<0.1	0.028				<0.1
3/27/2019	0.24	<0.1	0.1			<0.1	0.034	0.12	
9/10/2019				0.032 (J)	0.037 (J)				
9/11/2019	0.26	0.036 (J)	0.099 (J)			0.032 (J)	0.045 (J)	0.1	0.032 (J)
3/31/2020					0.061 (J)				
4/1/2020		<0.1	0.15	0.048 (J)		0.04 (J)	0.082 (J)	0.26	0.05 (J)
4/2/2020	0.26								

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-12	GWA-3 (bg)	GWC-5[*GWB-5]...	GWC-11	GWC-10	GWC-4A[*GWB-4...	GWC-1	GWA-2 (bg)	GWC-9
6/19/2015	5.05	5.23	5.95						
6/20/2015				6.13	6.28	4.92	4.87	4.69	4.7
12/14/2015									
12/15/2015									
4/19/2016		4.92						4.99	4.98
4/20/2016	5.17		5.85	6.28		4.9	5.43		
4/21/2016					6.21				
6/14/2016		4.89	5.53			4.9		4.98	
6/15/2016	5.12			6.55			5.28		5.2
6/16/2016					6.27				
8/9/2016		4.92	5.44					4.72	
8/10/2016	5.12			6.22	6.12		5.15		4.78
8/11/2016						5.37			
9/26/2016								4.74	
9/27/2016	5.19	5.25	5.59	6.33	6.29	5.89	5.19		4.91
9/28/2016									
11/14/2016		4.96				5.94			
11/15/2016	5.14		5.58	6.28	6.12		5.2	4.8	4.81
11/16/2016									
1/10/2017		4.21				5.44		4.59	
1/11/2017			5.56						
1/12/2017	5.13			6.26	6.23		5.27		
1/13/2017									5.28
1/16/2017									
1/17/2017									
2/28/2017		4.95	5.53			5.49		4.91	
3/1/2017	5.05			6.41	6.15		5.31		4.81
3/2/2017									
4/19/2017		5.12						4.98	
4/20/2017	5.15		5.63			5.51	5.29		
4/24/2017				6.26	6.8				4.99
4/25/2017									
7/13/2017									
7/17/2017								4.61	
7/18/2017		4.89	5.51			5.26			
7/19/2017							5.03		
7/20/2017	5.04								
7/24/2017				6.27	6.19				4.82
7/25/2017									
10/17/2017	5.03	4.96	5.62	6.35	6.11	5.28	5.25	4.93	4.85
1/10/2018		4.93	5.59			5.05		4.78	
1/11/2018	5.13			6.15	6.32		5.02		
1/12/2018									4.83
7/11/2018		4.87 (D)	5.49			4.53		4.75 (D)	
7/12/2018	5.09 (D)			6.63 (D)	6.7 (D)		5.04 (D)		4.8 (D)
1/29/2019		4.98	5.39			4.66		4.91	
1/30/2019	5.01			6.09	6.2		5.21		4.88
3/26/2019			5.45			4.72			
3/27/2019	4.93	4.8		6.32	6.54		5.15	4.69	4.75
9/10/2019			5.71			4.72			
9/11/2019	5.04	5.03		6.37	6.63		4.8	4.77	4.8
3/31/2020			5.45			5.06			

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-12	GWA-3 (bg)	GWC-5[*GWB-5]...	GWC-11	GWC-10	GWC-4A[*GWB-4...	GWC-1	GWA-2 (bg)	GWC-9
4/1/2020	5.05	4.92			6.52		5	4.77	4.93
4/2/2020				6.38					

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-20	GWC-21	GWA-16[*GWB-1...	GWC-19	GWC-15[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)
6/19/2015									
6/20/2015									
12/14/2015	5.19	7.1	5.24	5.84	5.26				
12/15/2015						5.98	5.2	5.24	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		5.47	5.74	5.35
6/16/2016		6.84	4.85	5.23		5.85			
8/9/2016	5.09				5.07		5.01	5.41	4.89
8/10/2016			4.84	5.11		5.79			
8/11/2016		6.42							
9/26/2016									
9/27/2016	5.32		5.32	5.06	5.11		5.22	5.42	5.02
9/28/2016		6.57				5.9			
11/14/2016									
11/15/2016	5.25		4.97	5.01	5.11	5.66	5.07	5.33	5.04
11/16/2016		6.51							
1/10/2017									
1/11/2017	5.23	6.43			5.07		5	5.32	
1/12/2017				4.99					5.19
1/13/2017			4.97						
1/16/2017						5.65			
1/17/2017									
2/28/2017							5.1	5.32	4.86
3/1/2017	5.25	6.48		5	5.14	5.62			
3/2/2017									
4/19/2017									
4/20/2017	5.36				5.05		5.12	5.31	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		4.84	5.19	
7/20/2017									
7/24/2017									
7/25/2017		6.37	4.89	4.92		5.55			
10/17/2017	5.23	6.53	4.97	4.89	5.17	5.68	4.95	5.27	4.93
1/10/2018									4.9
1/11/2018	5.28			4.98	4.97		5.01	5.19	
1/12/2018		6.47	4.97						
7/11/2018	5.23 (D)	6.18 (D)	4.89 (D)	4.96 (D)	5.07	5.6 (D)	5.01	5.25 (D)	4.99 (D)
7/12/2018									
1/29/2019	5.35		4.94		4.83	5.58	5.18	5.25	4.82
1/30/2019		5.93		4.65					
3/26/2019					4.95		5.04	5.29	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 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-20	GWC-21	GWA-16[*GWB-1...	GWC-19	GWC-15[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)
4/1/2020	5.3	6.15	5.03	5.04	4.95	5.67	5.35	5.26	
4/2/2020									

Prediction Limit

Constituent: pH (S.U.) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23
4/1/2020	5.23
4/2/2020	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-18 (bg)	GWC-19	GWA-3 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-11	GWC-17 (bg)	GWC-1
4/19/2016	106	34	<10	<10	49				
4/20/2016						<10	32	29	<10
4/21/2016									
6/14/2016			46	55		47			
6/15/2016					84		81	85	52
6/16/2016	150	34							
8/9/2016			18	6		10		<10	
8/10/2016		32			44		64		10
8/11/2016	78								
9/26/2016				24					
9/27/2016			30		30	16	60	6	30
9/28/2016	43	13							
11/14/2016			26						
11/15/2016		64		38	32	4 (J)	72	24	32
11/16/2016	140								
1/10/2017			18	18					
1/11/2017	64							20	
1/12/2017						26	84		52
1/13/2017					54				
1/16/2017		12							
1/17/2017									
2/28/2017			22	12		6			
3/1/2017	88	72			34		64	38	44
3/2/2017									
4/19/2017			14	14					
4/20/2017						<10		6	20
4/24/2017					<10		46		
4/25/2017	92	62							
7/13/2017									
10/10/2017				10					
10/11/2017			30			32	88	48	54
10/12/2017	54	38			20				
12/12/2017									
12/13/2017							68		
1/10/2018			28	6		10			
1/11/2018							10	18	100
1/12/2018	110	81			48				
7/11/2018	16 (J)	38 (J)	12 (J)	16 (J)		28 (J)		22 (J)	
7/12/2018					42 (J)		94 (J)		24 (J)
1/29/2019		62	27	36		24		37	
1/30/2019	100 (J)				42 (J)		89 (J)		55 (J)
3/26/2019						<10			
3/27/2019	79	61	35	36	34		79	38	26
9/10/2019						21			
9/11/2019	45	49	15	28	43		39	31	49
3/31/2020						17			
4/1/2020	73	52	20	32	36			27	39
4/2/2020							63		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4...	GWA-16[*GWB-1...	GWC-5[*GWB-5]...	GWA-14 (bg)	GWC-12	GWC-21	GWC-10	GWC-15[*GWB-1...	GWC-20
4/19/2016									
4/20/2016	<10	<10	<10	<10	41				
4/21/2016						<10	49	<10	28
6/14/2016	67		62	65					
6/15/2016		67			27			58	
6/16/2016						30	109		42
8/9/2016		4 (J)	6	24				6	
8/10/2016					6	<10	58		6
8/11/2016	<10								
9/26/2016									
9/27/2016	28	18	10	14	16	14	100	16	20
9/28/2016									
11/14/2016	48								
11/15/2016		26	32	18	22	58	94	18	82
11/16/2016									
1/10/2017	22								
1/11/2017		<10	12	6				8	
1/12/2017					44	38	110		
1/13/2017									36
1/16/2017									
1/17/2017									
2/28/2017	32		<10	14				4 (J)	
3/1/2017		6			8	32	110		40
3/2/2017									
4/19/2017									
4/20/2017	20	<10	34	<10	<10			10	
4/24/2017						16	32		
4/25/2017									14
7/13/2017									
10/10/2017	24								
10/11/2017		24	40	22				26	
10/12/2017					12	12	74		22
12/12/2017							150		
12/13/2017									
1/10/2018	42		48						
1/11/2018		6		36	34	20	150	56	
1/12/2018									56
7/11/2018	<5 (J)	24 (J)	22 (J)	20 (J)		52 (J)		<5 (J)	32 (J)
7/12/2018					26 (J)		140 (J)		
1/29/2019	26	26	34	22				23	27
1/30/2019					22 (J)	43 (J)	160 (J)		
3/26/2019	39	27	21	17				17	
3/27/2019					24	33	130		57
9/10/2019	36	13	13	16					
9/11/2019					28	23	130	15	45
3/31/2020	27		28						
4/1/2020		15		<10	20	21	130	21	26
4/2/2020									

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/17/2020 12:50 PM View: Appendix III - Interwell

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	

FIGURE G.

Appendix III Trend Tests - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/17/2020, 12:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	**GWA-3 (bg)**	**-1.344**	**-87**	**-53**	**Yes**	**15**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**GWC-9**	**-0.9557**	**-89**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

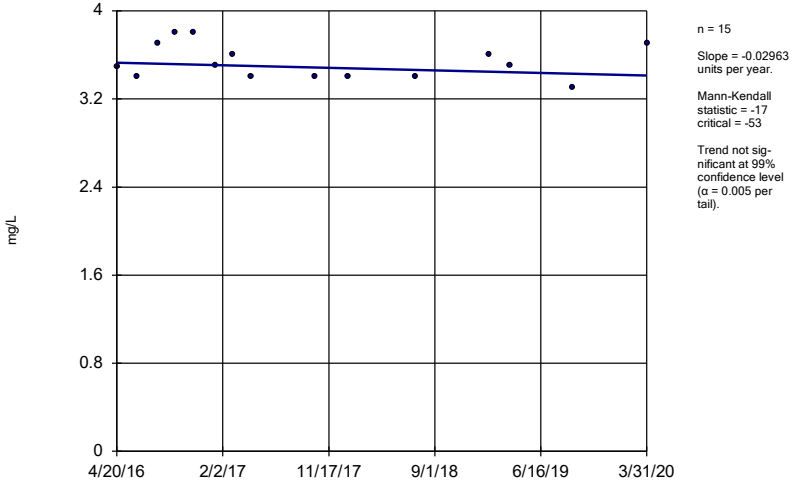
Appendix III Trend Tests - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 6/17/2020, 12:58 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride (mg/L)	GWA-13 (bg)	-0.02963	-17	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-14 (bg)	-0.1354	-48	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-16[*GWB-16] (bg)	-0.06486	-30	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	-0.06518	-35	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWA-3 (bg)**	**-1.344**	**-87**	**-53**	**Yes**	**15**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWC-15[*GWB-15] (bg)	-0.0488	-20	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-17 (bg)	0.01473	11	53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-18 (bg)	-0.144	-50	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-4A[*GWB-4A] (bg)	0.178	30	53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-5[*GWB-5] (bg)	0	-9	-53	No	15	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**GWC-9**	**-0.9557**	**-89**	**-68**	**Yes**	**18**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Sen's Slope Estimator

GWA-13 (bg)



n = 15

Slope = -0.02963 units per year.

Mann-Kendall statistic = -17
critical = -53

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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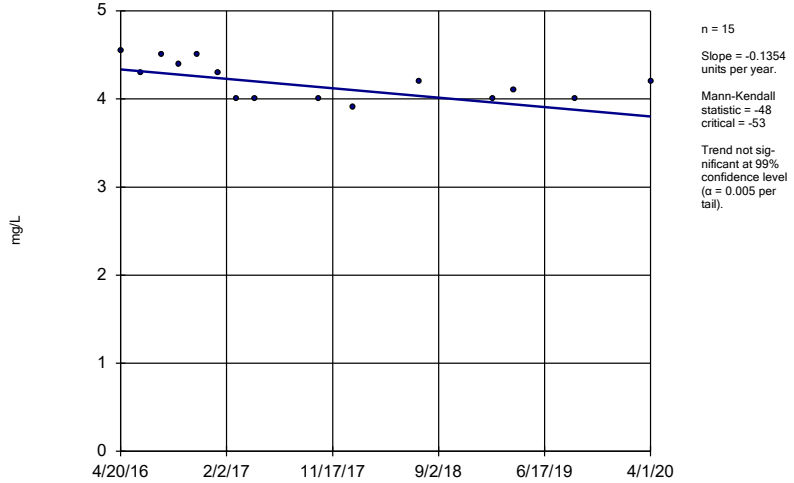
Sen's Slope Estimator

GWA-14 (bg)



n = 15

Slope = -0.1354 units per year.

Mann-Kendall statistic = -48
critical = -53

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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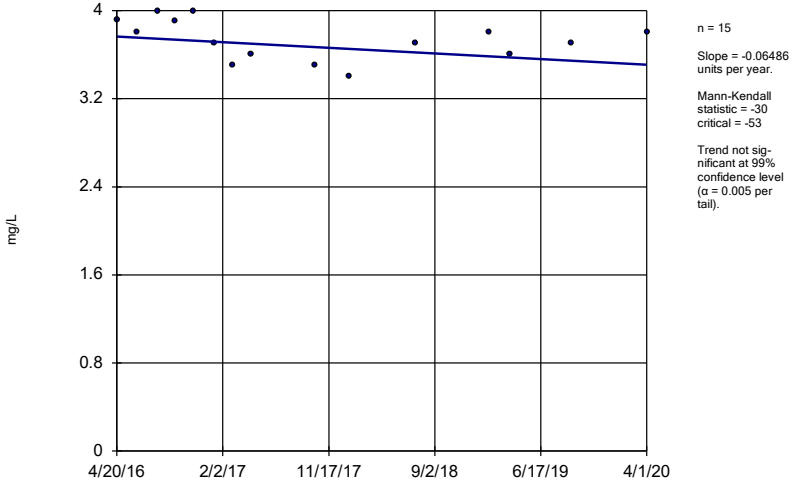
Sen's Slope Estimator

GWA-16[*GWB-16] (bg)



n = 15

Slope = -0.06486 units per year.

Mann-Kendall statistic = -30
critical = -53

Trend not significant at 99% confidence level (α = 0.005 per tail).

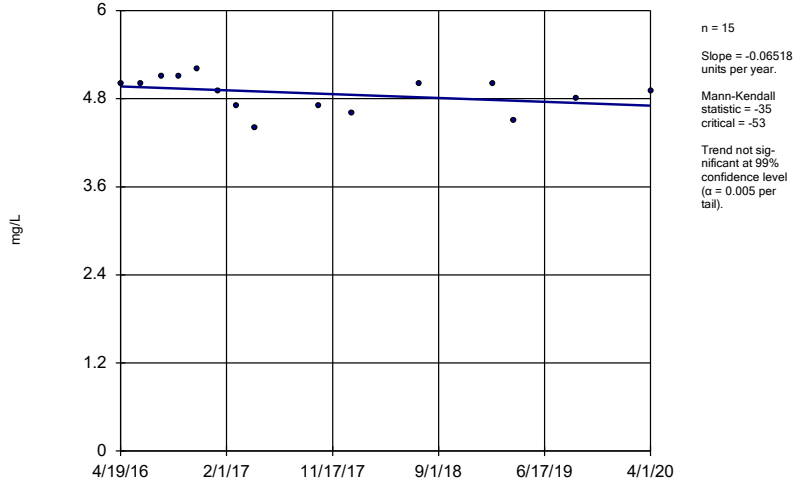
Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 15

Slope = -0.06518 units per year.

Mann-Kendall statistic = -35
critical = -53

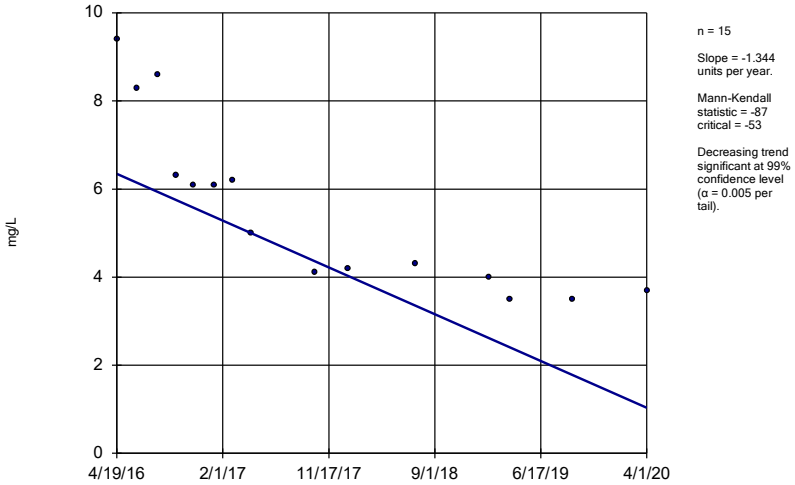
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sen's Slope Estimator

GWA-3 (bg)



n = 15

Slope = -1.344 units per year.

Mann-Kendall statistic = -87 critical = -53

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

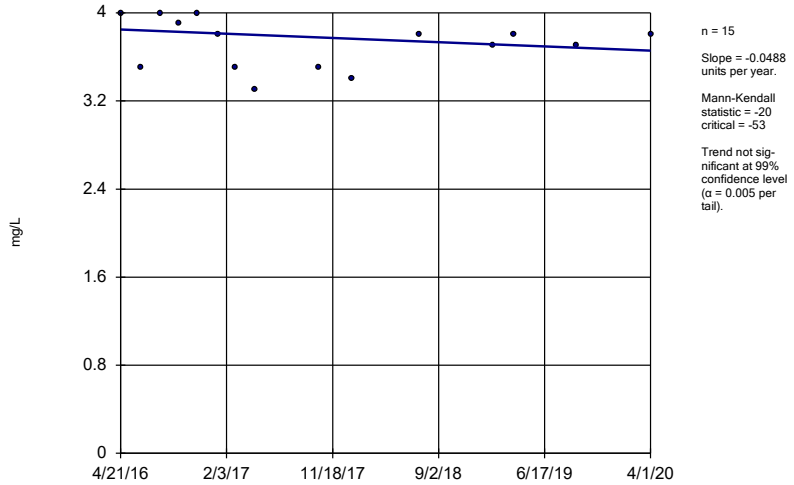
Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-15[*GWB-15] (bg)



n = 15

Slope = -0.0488 units per year.

Mann-Kendall statistic = -20 critical = -53

Trend not significant at 99% confidence level (α = 0.005 per tail).

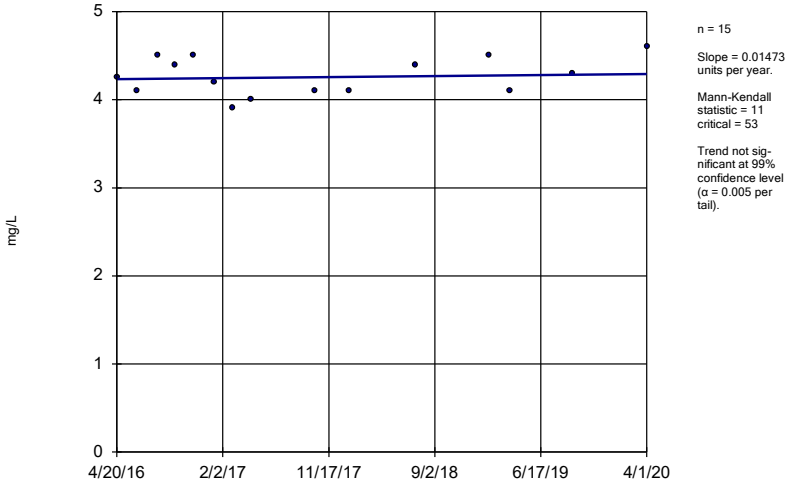
Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-17 (bg)



n = 15

Slope = 0.01473 units per year.

Mann-Kendall statistic = 11 critical = 53

Trend not significant at 99% confidence level (α = 0.005 per tail).

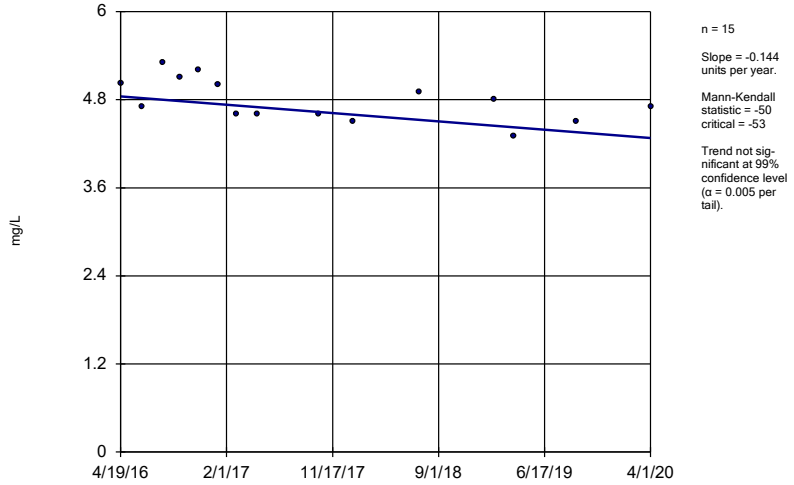
Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-18 (bg)



n = 15

Slope = -0.144 units per year.

Mann-Kendall statistic = -50 critical = -53

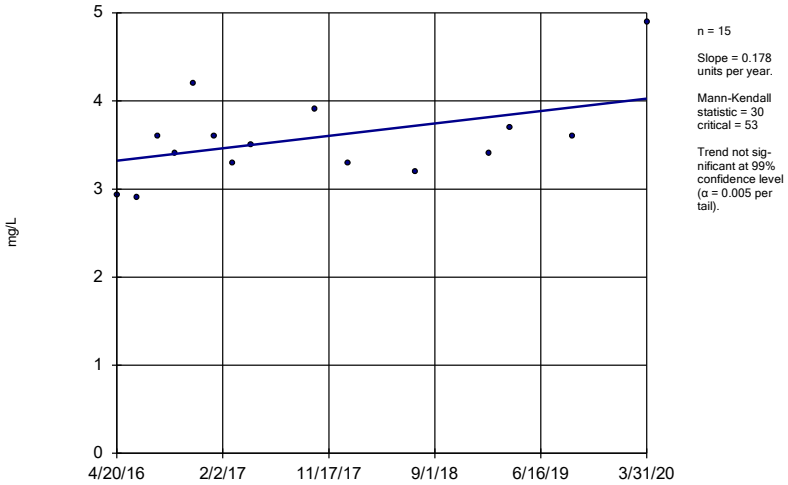
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sen's Slope Estimator

GWC-4A[*GWB-4A] (bg)



n = 15

Slope = 0.178 units per year.

Mann-Kendall statistic = 30 critical = 53

Trend not significant at 99% confidence level (α = 0.005 per tail).

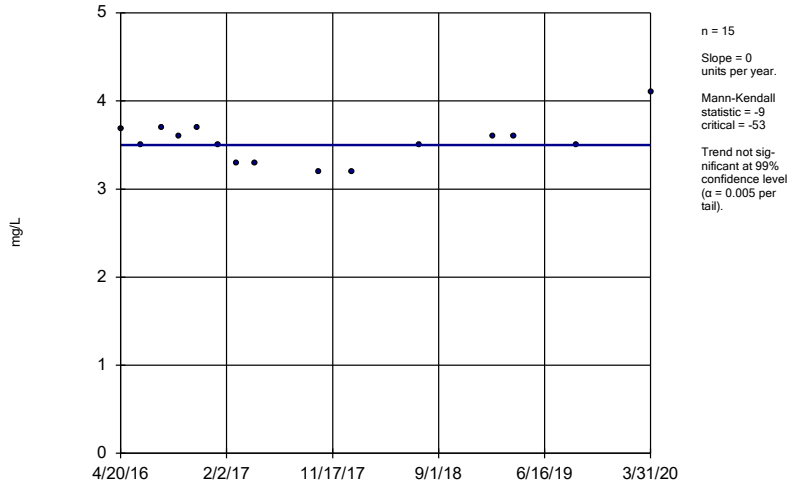
Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-5[*GWB-5] (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = -9 critical = -53

Trend not significant at 99% confidence level (α = 0.005 per tail).

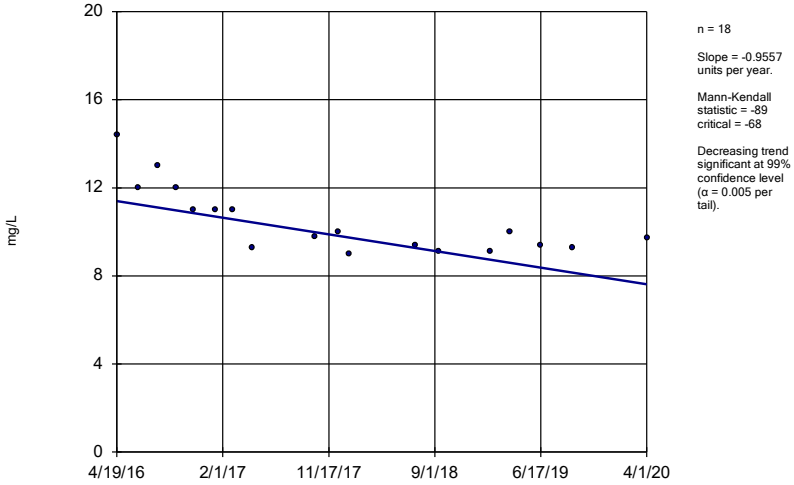
Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.26 Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-9



n = 18

Slope = -0.9557 units per year.

Mann-Kendall statistic = -89 critical = -68

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 6/17/2020 12:56 PM View: Appendix III - Trend Tests

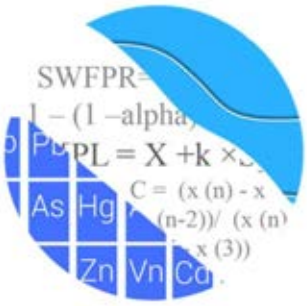
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Second 2020 Semiannual Statistical Analysis of Appendix I and III Constituents

ACC Project I054-110

GROUNDWATER STATS CONSULTING

January 27, 2021



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

Re: Plant McIntosh Landfill #4
September 2020 Statistical Analysis

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the September 2020 Semi-Annual Groundwater Monitoring and Statistical summary of the analysis of groundwater quality for Georgia Power Company's McIntosh Landfill #4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the CCR program in 2016, and sampling for 16 parameters in accordance with the Georgia EPD's Solid Waste Permit began for some wells in 2006. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations; and all available data are screened in this report.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient:** GWA-2, GWA-3, GWC-4A[*GWB-4A], GWC-5[*GWB-5], GWA-13, GWA-14, GWC-15[*GWB-15], GWA-16[*GWB-16], GWC-17, and GWC-18

- **Downgradient**: GWC-1, GWC-9, GWC-10, GWC-11, GWC-12, GWC-19, GWC-20, GWC-21, and GWC-23

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology prepared in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **CCR Appendix III -** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD -** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of well/constituent pairs with 100% nondetects follows this letter. Since mercury was not required by the previous permit, it was included in the time series graphs and box plots, but was not included in the statistical analysis.

Due to varying detection limits in background data sets, generally due to improved laboratory practices, a substitution of the most recent reporting limit is used for all nondetects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair which can result in a different reporting limit for individual wells. Examples of changes in reporting limits include lead in well GWC-4A[*GWB-4A], which decreased from 0.0013 mg/L to 0.001 mg/L, thallium in wells GWA-14 and GWC-10, which increased from 0.0005 mg/L to 0.001 mg/L, and sulfate in well GWC-5[*GWB-5], which increased from 1 mg/L to 5 mg/L. This generally gives the most conservative limit in each case. In the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Time series plots for Appendix III and Georgia EPD parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and

between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Data at all wells were evaluated during the background screening in 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided in the previous screening to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

Georgia EPD Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-3 resample plan (all Georgia EPD parameters)
- # Constituents: 15 (Mercury not included)
- # Downgradient wells: 9

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (sulfate)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, fluoride, pH, and TDS)
- # Constituents: 7
- # Downgradient wells: 9

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are nondetects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% for each semi-annual sample event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below

(US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement

exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to provide reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than facility impact.

Background Screening Summary – Georgia EPD – Conducted in August 2019

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population.

Suspected outliers at all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. When the most recent values are identified as outliers, values are not flagged in the database at that time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the nondetects are replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) may require flagging as outliers if they are much higher than current reporting limits. This was not required during the 2019 screening.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported nondetects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. All flagged values were reviewed in the June 2020 analysis. An additional value of cobalt was flagged in well GWC-21. Values of several constituents were unflagged when they were only slightly higher than other detected values and appeared to represent natural variation. The resulting prediction limits will still be conservative, yet less prone to false positives. A summary of all flagged values is included in Figure C.

Additionally, when any values are flagged in the database as outliers, they are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit is applied when varying detection limits exist in the data.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and are deselected as necessary. A few statistically significant increasing trends were noted for barium in wells GWA-2, GWC-1, and GWC-5 (formerly GWB-5) and adjustments were made to eliminate the trend. The trend test results were included with the screening report, and a summary report of special cases of date ranges used in construction of the statistical limits follows this report.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified significant differences among upgradient well data for: arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, nickel, and thallium. No significant differences were noted for antimony, lead, selenium, vanadium, and zinc. The ANOVA could not test silver as there was no variation in the measurements among the upgradient wells.

Where variation is not identified, this suggests that interwell analysis would be the most appropriate statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level concentrations, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Background Update Summary – Appendix III – Conducted in March 2020

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data from all wells for intrawell parameters (sulfate) and upgradient wells for interwell parameters (boron, calcium, chloride, fluoride, pH, and TDS) through September 2019. Tukey's test noted potential outliers for all parameters except boron and fluoride, but not all of these values were flagged as most appeared to be representative of natural variation. Only values for sulfate in upgradient well GSC-18 and downgradient well GWC-23 were flagged. As mentioned above, any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages.

For constituents requiring intrawell prediction limits (only sulfate in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through April 2017 to the new compliance samples at each well through September 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the following well/constituent pairs: sulfate in downgradient wells GWC-19, GWC-20, GWC-21, and GWC-23.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies such as the current one, in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians. The more recent sulfate concentrations in all four cases with statistically significant Mann-Whitney results tended toward more stable concentrations at slightly lower levels than before; therefore, all four cases were updated and a summary of these results was included in the March 2020 background update.

Statistical Analysis of Georgia EPD Constituents – September 2020

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from

across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-3 resample plan, were constructed using all available data, except for the cases mentioned above, within each well with detections through July 2018 (Figure D). Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event. As mentioned above, no statistical analyses were included for well/constituent pairs with 100% nondetects.

In the event of an initial exceedance of compliance well data, the 1-of-3 resample plan allows for collection of two additional samples to determine whether the initial exceedance is confirmed. When the resamples confirm the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary of prediction limits follows this report (Figure D). Statistical exceedances were noted for the following well/constituent pairs, all in upgradient wells:

- Barium: GWA-2 (upgradient) and GWC-9
- Zinc: GWA-14 (upgradient)

Interwell prediction limits were then constructed for the 2-step statistical approach discussed earlier, using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedance (Figure E). No statistical exceedances were noted; therefore, no further action is necessary.

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable (Figure F). Upgradient wells are included in the trend analyses to identify whether similar patterns exist

upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. Both a summary and complete graphical results of the trend tests follow this report (Figure F). The following statistically significant trends were noted:

Increasing

- ●Barium: GWA-2 (upgradient), GWC-5[*GWB-5] (upgradient), and GWC-9
- ●Zinc: GWA-14 (upgradient)

Decreasing

- ●Barium: GWC-18 (upgradient)

Statistical Analysis of Appendix III Parameters – September 2020

For sulfate, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through September 2019 (Figure G). As mentioned above, intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. Compliance data are compared to these intrawell background limits during each subsequent semi-annual sampling event.

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 September 2020 (Figure H). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs).

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result; therefore, no exceedance is noted, and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Summary tables of the Appendix III prediction limits follow this letter (Figures G and H). No apparent intrawell prediction limit exceedances were noted. The following interwell prediction limit exceedances were noted:

Interwell:

- Calcium: GWC-10 (downgradient)
- TDS: GWC-10 (downgradient)

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure I). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Such patterns are an indication of natural variability in groundwater unrelated to practices at the site. A summary of the trend test results follows this letter (Figure I). The following statistically significant trends were identified:

Increasing

- Calcium: GWC-10 (downgradient)
- TDS: GWC-10 (downgradient)

Decreasing:

- Calcium: GWC-4A[*GWB-4A] and GWC-18 (both upgradient)

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,

Easton Rayner
Data Analyst

Kristina Rayner
Groundwater Statistician

Date Ranges

Date: 11/18/2020 9:22 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Barium (mg/L)

GWA-2 background:1/16/2015-7/11/2018

GWC-1 background:1/20/2013-1/11/2018

GWC-5[*GWB-5] background:1/19/2013-7/11/2018

100% Non-Detects

Analysis Run 11/18/2020 9:35 AM View: 100% ND
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

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

Arsenic (mg/L)
GWA-2, GWC-1

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

Copper (mg/L)
GWC-10

Lead (mg/L)
GWA-2, GWC-1, GWC-10, GWC-12, GWC-15[*GWB-15], GWC-17, GWC-19

Selenium (mg/L)
GWA-14, GWC-12, GWC-17, GWC-23

Silver (mg/L)
GWA-13, GWA-14, GWA-16[*GWB-16], GWA-2, GWA-3, GWC-1, GWC-10, GWC-12, GWC-15[*GWB-15], GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-23, GWC-4A[*GWB-4A], GWC-5[*GWB-5], GWC-9

Thallium (mg/L)
GWC-1, GWC-15[*GWB-15]

Intrawell Prediction Limit Summary - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	**GWA-2**	**0.036**	**n/a**	**9/15/2020**	**0.036**	**Yes**	**14**	**0.000031380**	**0.000007789**	**0**	**None**	**x^3**	**0.0003901**	**Param Intra 1 of 3**
Barium (mg/L)	**GWC-9**	**0.03144**	**n/a**	**9/16/2020**	**0.033**	**Yes**	**37**	**0.02404**	**0.004605**	**0**	**None**	**No**	**0.0003901**	**Param Intra 1 of 3**
Zinc (mg/L)	**GWA-14**	**0.01002**	**n/a**	**9/15/2020**	**0.024**	**Yes**	**10**	**-5.575**	**0.437**	**30**	**Kapla...**	**ln(x)**	**0.0003901**	**Param Intra 1 of 3**

Intrawell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 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	9/15/2020	0.002ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-14	0.002	n/a	9/15/2020	0.00039J	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-2	0.002	n/a	9/15/2020	0.002ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.0022	n/a	9/15/2020	0.002ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.002	n/a	9/15/2020	0.002ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-13	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-14	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-16[*GWB-16]	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.0089	n/a	9/15/2020	0.001ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0013	n/a	9/15/2020	0.00041J	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	9/15/2020	0.0011	No	37	n/a	n/a	70.27	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.001	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15[*GWB-15]	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-17	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001229	n/a	9/15/2020	0.00076J	No	16	0.0008124	0.0002231	31.25	Kapla...	No	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-19	0.001	n/a	9/16/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-21	0.0022	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001734	n/a	9/15/2020	0.001ND	No	11	0.02695	0.006873	45.45	Kapla...	sqrt(x)	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-4A[*GWB-4A]	0.0027	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	75.68	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5[*GWB-5]	0.0027	n/a	9/15/2020	0.001ND	No	39	n/a	n/a	94.87	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.001	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-13	0.01736	n/a	9/15/2020	0.014	No	16	0.01503	0.001248	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-14	0.018	n/a	9/15/2020	0.012	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) ...
Barium (mg/L)	GWA-16[*GWB-16]	0.02941	n/a	9/15/2020	0.024	No	16	0.02437	0.002701	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	**GWA-2**	**0.036**	**n/a**	**9/15/2020**	**0.036**	**Yes**	**14**	**0.000031380**	**.0000077890**		**None**	**x^3**	**0.0003901**	**Param Intra 1 of 3**
Barium (mg/L)	GWA-3	0.02553	n/a	9/15/2020	0.015	No	34	0.1258	0.02092	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-1	0.05613	n/a	9/15/2020	0.038	No	18	0.04063	0.008527	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.03867	n/a	9/15/2020	0.023	No	37	-3.803	0.3426	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.026	n/a	9/15/2020	0.015	No	36	n/a	n/a	0	n/a	n/a	0.000111	NP Intra (normality) ...
Barium (mg/L)	GWC-12	0.01492	n/a	9/16/2020	0.011	No	37	0.01205	0.001788	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-15[*GWB-15]	0.02811	n/a	9/15/2020	0.023	No	16	0.0247	0.001826	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-17	0.02102	n/a	9/15/2020	0.018	No	16	0.01799	0.001626	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.05567	n/a	9/15/2020	0.014	No	16	0.02955	0.01398	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.057	n/a	9/16/2020	0.012	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) ...
Barium (mg/L)	GWC-20	0.04774	n/a	9/15/2020	0.021	No	16	-3.606	0.3019	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-21	0.02848	n/a	9/15/2020	0.021	No	16	-4.006	0.2397	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.08327	n/a	9/15/2020	0.024	No	11	0.05264	0.01433	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-4A[*GWB-4A]	0.03562	n/a	9/16/2020	0.016	No	37	0.02411	0.007165	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-5[*GWB-5]	0.42	n/a	9/15/2020	0.041	No	20	n/a	n/a	0	n/a	n/a	0.0005627	NP Intra (normality) ...
Barium (mg/L)	**GWC-9**	**0.03144**	**n/a**	**9/16/2020**	**0.033**	**Yes**	**37**	**0.02404**	**0.004605**	**0**	**None**	**No**	**0.0003901**	**Param Intra 1 of 3**
Beryllium (mg/L)	GWA-13	0.0025	n/a	9/15/2020	0.0025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-14	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	n/a	9/15/2020	0.00024J	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-3	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-1	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0025	n/a	9/16/2020	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-17	0.0006922	n/a	9/15/2020	0.00063J	No	15	0.000572	0.00006281	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWC-18	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.0025	n/a	9/16/2020	0.00022J	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-20	0.0025	n/a	9/15/2020	0.00025J	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.0025	n/a	9/15/2020	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	9/16/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5[*GWB-5]	0.0025	n/a	9/15/2020	0.0025ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0025	n/a	9/16/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-13	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-14	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-17	0.000773	n/a	9/15/2020	0.00046J	No	16	0.0005946	0.00009557	0	None	No	0.0003901	Param Intra 1 of 3
Cadmium (mg/L)	GWC-18	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-19	0.0025	n/a	9/16/2020	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-20	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-21	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-23	0.0025	n/a	9/15/2020	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	9/16/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-13	0.0094	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	80	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-14	0.0047	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-16[*GWB-16]	0.003104	n/a	9/15/2020	0.0015J	No	15	0.03555	0.01054	46.67	Kapla...	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-2	0.002707	n/a	9/15/2020	0.0015J	No	36	0.03983	0.007574	22.22	Kapla...	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-3	0.002978	n/a	9/15/2020	0.002ND	No	36	-6.609	0.4922	33.33	Kapla...	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-1	0.0049	n/a	9/15/2020	0.002ND	No	36	n/a	n/a	36.11	n/a	n/a	0.000111	NP Intra (normality) ...
Chromium (mg/L)	GWC-10	0.01	n/a	9/15/2020	0.0018J	No	37	n/a	n/a	24.32	n/a	n/a	0.0001035	NP Intra (normality) ...
Chromium (mg/L)	GWC-11	0.009367	n/a	9/15/2020	0.0028	No	37	0.005969	0.002115	2.703	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-12	0.01	n/a	9/16/2020	0.0016J	No	37	n/a	n/a	21.62	n/a	n/a	0.0001035	NP Intra (normality) ...
Chromium (mg/L)	GWC-15[*GWB-15]	0.0051	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-17	0.01	n/a	9/15/2020	0.0027	No	15	n/a	n/a	33.33	n/a	n/a	0.001313	NP Intra (normality) ...
Chromium (mg/L)	GWC-18	0.004525	n/a	9/15/2020	0.0025	No	15	-6.131	0.3833	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-19	0.004127	n/a	9/16/2020	0.0015J	No	14	-6.285	0.4059	14.29	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-20	0.005	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.35	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	80	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-23	0.0025	n/a	9/15/2020	0.0023	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-4A[*GWB-4A]	0.0096	n/a	9/16/2020	0.002ND	No	37	n/a	n/a	67.57	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5[*GWB-5]	0.0054	n/a	9/15/2020	0.002ND	No	38	n/a	n/a	65.79	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-9	0.0043	n/a	9/16/2020	0.002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-13	0.002313	n/a	9/15/2020	0.0025ND	No	16	0.0307	0.009318	12.5	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-14	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	43.75	n/a	n/a	0.001026	NP Intra (normality) ...
Cobalt (mg/L)	GWA-16[*GWB-16]	0.00128	n/a	9/15/2020	0.0025ND	No	15	0.02591	0.005161	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-2	0.01	n/a	9/15/2020	0.00099J	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0066	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-1	0.0025	n/a	9/15/2020	0.0014J	No	37	n/a	n/a	51.35	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.0071	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	81.08	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.012	n/a	9/16/2020	0.00023J	No	37	n/a	n/a	54.05	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	9/15/2020	0.0025ND	No	15	n/a	n/a	6.667	n/a	n/a	0.001313	NP Intra (normality) ...
Cobalt (mg/L)	GWC-17	0.002397	n/a	9/15/2020	0.0025ND	No	16	0.001142	0.0006723	12.5	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-18	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.0025	n/a	9/16/2020	0.0025ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-20	0.007687	n/a	9/15/2020	0.00097J	No	16	0.003524	0.00223	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-21	0.015	n/a	9/15/2020	0.00088J	No	15	n/a	n/a	0	n/a	n/a	0.001313	NP Intra (normality) ...
Cobalt (mg/L)	GWC-23	0.01056	n/a	9/15/2020	0.0032	No	11	0.006409	0.001944	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-4A[*GWB-4A]	0.013	n/a	9/16/2020	0.0014J	No	37	n/a	n/a	59.46	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5[*GWB-5]	0.011	n/a	9/15/2020	0.0005J	No	39	n/a	n/a	51.28	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.0055	n/a	9/16/2020	0.00037J	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-13	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-14	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-16[*GWB-16]	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-2	0.003	n/a	9/15/2020	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.014	n/a	9/15/2020	0.00095J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-1	0.002	n/a	9/15/2020	0.002ND	No	30	n/a	n/a	100	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.0027	n/a	9/15/2020	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.002	n/a	9/16/2020	0.002ND	No	31	n/a	n/a	100	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15[*GWB-15]	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.0021	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-18	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-19	0.002	n/a	9/16/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-21	0.002	n/a	9/15/2020	0.002ND	No	9	n/a	n/a	77.78	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	n/a	9/15/2020	0.002ND	No	5	n/a	n/a	80	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	9/16/2020	0.00079J	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5[*GWB-5]	0.0021	n/a	9/15/2020	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0021	n/a	9/16/2020	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-13	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-14	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-16[*GWB-16]	0.001	n/a	9/15/2020	0.00024J	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-3	0.014	n/a	9/15/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.001	n/a	9/15/2020	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-21	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-23	0.001	n/a	9/15/2020	0.001ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 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)	GWC-5[*GWB-5]	0.001	n/a	9/15/2020	0.001ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-9	0.0056	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-13	0.001	n/a	9/15/2020	0.00037J	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-14	0.0025	n/a	9/15/2020	0.00075J	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-16[*GWB-16]	0.001	n/a	9/15/2020	0.00045J	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-2	0.0043	n/a	9/15/2020	0.00094J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.001	n/a	9/15/2020	0.00038J	No	29	n/a	n/a	100	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-1	0.0025	n/a	9/15/2020	0.0012	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-10	0.0013	n/a	9/15/2020	0.0013	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.0049	n/a	9/15/2020	0.00063J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.0057	n/a	9/16/2020	0.00088J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-15[*GWB-15]	0.001	n/a	9/15/2020	0.00047J	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-17	0.004116	n/a	9/15/2020	0.0016	No	10	0.00261	0.0006773	10	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-18	0.0021	n/a	9/15/2020	0.00092J	No	10	0.001687	0.0001857	50	Kapla...	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-19	0.002889	n/a	9/16/2020	0.0012	No	10	0.0019	0.0004447	0	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-20	0.006567	n/a	9/15/2020	0.0011	No	10	0.003595	0.001337	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-21	0.0025	n/a	9/15/2020	0.0007J	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-23	0.004782	n/a	9/15/2020	0.0013	No	5	0.001907	0.0006403	20	Kapla...	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-4A[*GWB-4A]	0.0072	n/a	9/16/2020	0.00096J	No	31	n/a	n/a	74.19	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5[*GWB-5]	0.0031	n/a	9/15/2020	0.00056J	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.0033	n/a	9/16/2020	0.00075J	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-13	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-16[*GWB-16]	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-2	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-3	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-1	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-10	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-15[*GWB-15]	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-18	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-19	0.005	n/a	9/16/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-20	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-21	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-4A[*GWB-4A]	0.005	n/a	9/16/2020	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5[*GWB-5]	0.025	n/a	9/15/2020	0.005ND	No	39	n/a	n/a	94.87	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.0058	n/a	9/16/2020	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.001	n/a	9/15/2020	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-13	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-14	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-16[*GWB-16]	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-2	0.001	n/a	9/15/2020	0.00029J	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-3	0.001	n/a	9/15/2020	0.00017J	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-10	0.001	n/a	9/15/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-11	0.001	n/a	9/15/2020	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-12	0.001	n/a	9/16/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-17	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-18	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) ...
Thallium (mg/L)	GWC-19	0.001	n/a	9/16/2020	0.00026J	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-20	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-21	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-23	0.001	n/a	9/15/2020	0.001ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	9/16/2020	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5[*GWB-5]	0.001	n/a	9/15/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.001	n/a	9/16/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-13	0.0018	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-14	0.001	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-16[*GWB-16]	0.0015	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-2	0.0051	n/a	9/15/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.005	n/a	9/15/2020	0.001ND	No	30	n/a	n/a	83.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-1	0.0032	n/a	9/15/2020	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.0087	n/a	9/15/2020	0.001ND	No	31	n/a	n/a	80.65	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	9/15/2020	0.001	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.0075	n/a	9/16/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15[*GWB-15]	0.0017	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-17	0.001	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-18	0.005391	n/a	9/15/2020	0.0022	No	10	0.00283	0.001152	0	None	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-19	0.006157	n/a	9/16/2020	0.001ND	No	10	0.1199	0.02849	20	Kapla...	x^(1/3)	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-20	0.0074	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-21	0.0058	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-23	0.006305	n/a	9/15/2020	0.001ND	No	5	0.001498	0.001071	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-4A[*GWB-4A]	0.0033	n/a	9/16/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5[*GWB-5]	0.0035	n/a	9/15/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0091	n/a	9/16/2020	0.001ND	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-13	0.00446	n/a	9/15/2020	0.0037J	No	10	0.003017	0.0006491	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	**GWA-14**	**0.01002**	**n/a**	**9/15/2020**	**0.024**	**Yes**	**10**	**-5.575**	**0.437**	**30**	**Kapla...**	**ln(x)**	**0.0003901**	**Param Intra 1 of 3**
Zinc (mg/L)	GWA-16[*GWB-16]	0.005037	n/a	9/15/2020	0.0033J	No	10	0.003817	0.000549	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	n/a	9/15/2020	0.0049J	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) ...
Zinc (mg/L)	GWA-3	0.012	n/a	9/15/2020	0.005ND	No	28	n/a	n/a	46.43	n/a	n/a	0.0002317	NP Intra (normality) ...
Zinc (mg/L)	GWC-1	0.02	n/a	9/15/2020	0.0049J	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) ...
Zinc (mg/L)	GWC-10	0.019	n/a	9/15/2020	0.0043J	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.0089	n/a	9/15/2020	0.005ND	No	30	n/a	n/a	66.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005828	n/a	9/16/2020	0.0033J	No	31	0.1507	0.01782	32.26	Kapla...	x^(1/3)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-15[*GWB-15]	0.01135	n/a	9/15/2020	0.0033J	No	10	-5.422	0.4242	30	Kapla...	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-17	0.02	n/a	9/15/2020	0.0052	No	10	n/a	n/a	30	n/a	n/a	0.00344	NP Intra (normality) ...
Zinc (mg/L)	GWC-18	0.01755	n/a	9/15/2020	0.0032J	No	10	-5.696	0.7436	30	Kapla...	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-19	0.009538	n/a	9/16/2020	0.004J	No	10	0.05943	0.01719	40	Kapla...	sqrt(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-20	0.008421	n/a	9/15/2020	0.0044J	No	10	0.004843	0.001609	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-21	0.008437	n/a	9/15/2020	0.005ND	No	10	0.00277	0.002548	50	Kapla...	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-23	0.02	n/a	9/15/2020	0.004J	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-4A[*GWB-4A]	0.02	n/a	9/16/2020	0.011	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) ...
Zinc (mg/L)	GWC-5[*GWB-5]	0.017	n/a	9/15/2020	0.0049J	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) ...
Zinc (mg/L)	GWC-9	0.0077	n/a	9/16/2020	0.0035J	No	31	n/a	n/a	64.52	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3

Interwell Prediction Limit Summary (Intrawell Exceedances)

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 12:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-9	0.42	n/a	9/16/2020	0.033	No	293	n/a	n/a	0	n/a	n/a	7.3e-7	NP Inter (normality) ...

State Parameter Trend Test - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 12/4/2020, 3:55 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	**GWA-2 (bg)**	**0.001435**	**6.397**	**2.58**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-18 (bg)**	**-0.008203**	**-173**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-5[*GWB-5] (bg)**	**0.002187**	**6.677**	**2.58**	**Yes**	**43**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-9**	**0.0005462**	**2.623**	**2.58**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Zinc (mg/L)	**GWA-14 (bg)**	**0.000675**	**58**	**53**	**Yes**	**15**	**33.33**	**n/a**	**n/a**	**0.01**	**NP**

State Parameter Trend Test - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 12/4/2020, 3:55 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-13 (bg)	0	7	87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-16[*GWB-16] (bg)	-0.0009178	-56	-87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	**GWA-2 (bg)**	**0.001435**	**6.397**	**2.58**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	GWA-3 (bg)	0	-11	-214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-15[*GWB-15] (bg)	-0.0003142	-42	-87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-17 (bg)	-0.0003188	-47	-87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	**GWC-18 (bg)**	**-0.008203**	**-173**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	GWC-4A[*GWB-4A] (bg)	-0.0003814	-1.628	-2.58	No	42	0	n/a	n/a	0.01	NP
Barium (mg/L)	**GWC-5[*GWB-5] (bg)**	**0.002187**	**6.677**	**2.58**	**Yes**	**43**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-9**	**0.0005462**	**2.623**	**2.58**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Zinc (mg/L)	GWA-13 (bg)	0.0004656	44	53	No	15	46.67	n/a	n/a	0.01	NP
Zinc (mg/L)	**GWA-14 (bg)**	**0.000675**	**58**	**53**	**Yes**	**15**	**33.33**	**n/a**	**n/a**	**0.01**	**NP**
Zinc (mg/L)	GWA-16[*GWB-16] (bg)	0.0000235	17	53	No	15	40	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0	-46	-184	No	35	48.57	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-15[*GWB-15] (bg)	0	9	53	No	15	33.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-17 (bg)	0	6	53	No	15	26.67	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-18 (bg)	0.0006065	40	53	No	15	33.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-4A[*GWB-4A] (bg)	-0.0001069	-59	-184	No	35	25.71	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-5[*GWB-5] (bg)	0	-32	-191	No	36	33.33	n/a	n/a	0.01	NP

Federal Intrawell Prediction Limit Summary - All Results (No Significant)

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:42 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	1.2	n/a	9/15/2020	0.38J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	6.271	n/a	9/15/2020	1.1	No	14	1.129	0.2915	21.43	Kapla...	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16[*GWB-16]	1	n/a	9/15/2020	0.44J	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.685	n/a	9/15/2020	1ND	No	14	-0.1075	0.2566	50	Kapla...	ln(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	1.244	n/a	9/15/2020	0.47J	No	14	0.8887	0.1448	42.86	Kapla...	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.516	n/a	9/15/2020	1.6	No	14	1.462	0.4296	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	6.13	n/a	9/15/2020	3.6	No	14	3.559	1.048	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.226	n/a	9/15/2020	5	No	14	4.562	0.6784	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	9/16/2020	0.53J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-15[*GWB-15]	1.2	n/a	9/15/2020	0.44J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	2.718	n/a	9/15/2020	1ND	No	14	1.068	0.2368	35.71	Kapla...	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	5.927	n/a	9/15/2020	2.7	No	14	4.774	0.4701	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	3.003	n/a	9/16/2020	1.6	No	14	1.936	0.4348	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	5.519	n/a	9/15/2020	0.67J	No	14	1.362	0.4024	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.925	n/a	9/15/2020	0.56J	No	14	1.103	0.3353	14.29	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	9.2	n/a	9/15/2020	1.9	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra (normality) ...
Sulfate (mg/L)	GWC-4A[*GWB-4A]	14.53	n/a	9/16/2020	4.1	No	14	7.479	2.873	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5[*GWB-5]	5	n/a	9/15/2020	5ND	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.571	n/a	9/16/2020	1ND	No	14	1.088	0.2332	28.57	Kapla...	x^(1/3)	0.0008358	Param Intra 1 of 2

Interwell Prediction Limit Summary - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	**GWC-10**	**26**	**n/a**	**9/15/2020**	**27**	**Yes**	**157**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007989**	**NP Inter (normality) ...**
Total Dissolved Solids (mg/L)	**GWC-10**	**83.72**	**n/a**	**9/15/2020**	**140**	**Yes**	**160**	**2.805**	**0.8185**	**12.5**	**None**	**x^(1/3)**	**0.0008358**	**Param Inter 1 of 2**

Interwell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.08	n/a	9/15/2020	0.062J	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.08	n/a	9/16/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.08	n/a	9/16/2020	0.046J	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.08	n/a	9/16/2020	0.042J	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	26	n/a	9/15/2020	1.3	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	**GWC-10**	**26**	**n/a**	**9/15/2020**	**27**	**Yes**	**157**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007989**	**NP Inter (normality) ...**
Calcium (mg/L)	GWC-11	26	n/a	9/15/2020	13	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-12	26	n/a	9/16/2020	0.64	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-19	26	n/a	9/16/2020	7.6	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-20	26	n/a	9/15/2020	1.5	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-21	26	n/a	9/15/2020	1.1	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-23	26	n/a	9/15/2020	1.3	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-9	26	n/a	9/16/2020	0.45J	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Chloride (mg/L)	GWC-1	18	n/a	9/15/2020	6.1	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-10	18	n/a	9/15/2020	6.2	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-11	18	n/a	9/15/2020	4.1	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-12	18	n/a	9/16/2020	3.5	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-19	18	n/a	9/16/2020	6.5	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-20	18	n/a	9/15/2020	8.7	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-21	18	n/a	9/15/2020	6.5	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-23	18	n/a	9/15/2020	5	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-9	18	n/a	9/16/2020	8.6	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Fluoride (mg/L)	GWC-1	0.74	n/a	9/15/2020	0.1ND	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	9/15/2020	0.11	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	9/15/2020	0.21	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	9/16/2020	0.1ND	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	9/16/2020	0.076J	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	9/15/2020	0.032J	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	9/15/2020	0.1ND	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	9/15/2020	0.028J	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	9/16/2020	0.1ND	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	9/15/2020	4.76	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-10	7.1	4.21	9/15/2020	6.66	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-11	7.1	4.21	9/15/2020	6.62	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-12	7.1	4.21	9/16/2020	4.91	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-19	7.1	4.21	9/16/2020	5.43	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-20	7.1	4.21	9/15/2020	4.96	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-21	7.1	4.21	9/15/2020	4.86	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-23	7.1	4.21	9/15/2020	5.18	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-9	7.1	4.21	9/16/2020	4.74	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
Total Dissolved Solids (mg/L)	GWC-1	83.72	n/a	9/15/2020	25	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	**GWC-10**	**83.72**	**n/a**	**9/15/2020**	**140**	**Yes**	**160**	**2.805**	**0.8185**	**12.5**	**None**	**x^(1/3)**	**0.0008358**	**Param Inter 1 of 2**
Total Dissolved Solids (mg/L)	GWC-11	83.72	n/a	9/15/2020	82	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	83.72	n/a	9/16/2020	17	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	83.72	n/a	9/16/2020	60	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	83.72	n/a	9/15/2020	34	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	83.72	n/a	9/15/2020	24	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	83.72	n/a	9/15/2020	27	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	83.72	n/a	9/16/2020	5ND	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2

Appendix III Trend Test - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 12/4/2020, 3:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	**GWC-10**	**18.18**	**64**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 12/4/2020, 3:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	GWA-13 (bg)	0.3544	9	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-14 (bg)	-0.3671	-10	-58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-16[*GWB-16] (bg)	2.347	20	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-2 (bg)	1.6	10	58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-3 (bg)	-1.591	-15	-58	No	16	12.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**GWC-10**	**18.18**	**64**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	GWC-15[*GWB-15] (bg)	0.5691	4	58	No	16	12.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-17 (bg)	2.002	14	58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-18 (bg)	-9.853	-33	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-4A[*GWB-4A] (bg)	0.1466	3	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-5[*GWB-5] (bg)	3.378	20	58	No	16	12.5	n/a	n/a	0.01	NP

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:23 AM

	GWA-3 Barium (mg/L)	GWC-11 Barium (mg/L)	GWC-17 Beryllium (mg/L)	GWA-14 Calcium (mg/L)	GWA-16[*GWB-16] Calcium (mg/L)	GWC-10 Calcium (mg/L)	GWC-17 Calcium (mg/L)	GWC-18 Calcium (mg/L)	GWC-21 Calcium (mg/L)	GWA-2 Chromium (mg/L)	GWA-3 Chromium (mg/L)	GWC-1 Chromium (mg/L)	GWC-19 Chromium (mg/L)
8/25/2004													
9/11/2004													
12/7/2005													
7/6/2007	0.1 (O)												
12/13/2007													
6/20/2008													
12/7/2008	0.097 (O)	0.093 (O)										0.072 (O)	
12/29/2009													
1/5/2011	0.21 (O)										0.077 (O)		
7/9/2011												0.005 (o)	
7/11/2012										0.0061 (O)			
1/19/2013													
7/18/2013													
1/14/2016													
4/19/2016													0.002 (o)
4/20/2016			<0.003 (o)	0.686 (o)			2.48 (o)						
4/21/2016									2.78 (o)				
6/15/2016													
6/16/2016								33.2 (o)	2.9 (o)				
8/9/2016					0.19 (o)								
12/12/2017						23 (O)							
1/30/2019													

Outlier Summary

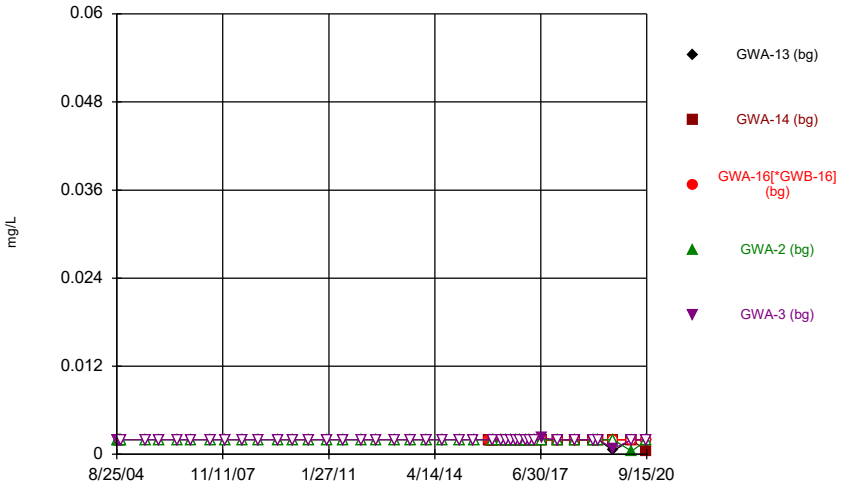
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:23 AM

	GWC-5[*GWB-5] Chromium (mg/L)	GWC-9 Chromium (mg/L)	GWA-16[*GWB-16] Cobalt (mg/L)	GWC-15[*GWB-15] Cobalt (mg/L)	GWC-21 Cobalt (mg/L)	GWC-21 Copper (mg/L)	GWA-3 Nickel (mg/L)	GWC-18 Sulfate (mg/L)	GWA-3 Vanadium (mg/L)	GWA-3 Zinc (mg/L)	GWC-11 Zinc (mg/L)	GWC-18 Zinc (mg/L)	GWC-4A[*GWB-4A] Zinc (mg/L)
8/25/2004	0.22 (O)												
9/11/2004						0.03 (O)							
12/7/2005													0.06 (O)
7/6/2007		0.0017 (o)							0.045 (O)				
12/13/2007		0.0021 (o)											
6/20/2008		0.0021 (o)											
12/7/2008		0.0018 (o)							0.042 (O)	0.041 (O)			
12/29/2009		0.0021 (o)											
1/5/2011		0.0034 (o)				0.025 (O)		0.056 (O)	0.057 (O)				
7/9/2011		0.0018 (o)											
7/11/2012		0.0038 (o)											
1/19/2013		0.0065 (o)											
7/18/2013		0.0029 (o)											
1/14/2016					0.0064 (o)								
4/19/2016													
4/20/2016			<0.0025 (o)										
4/21/2016				<0.0025 (o)	<0.0025 (o)								
6/15/2016		0.00021 (o)											
6/16/2016							9 (O)						
8/9/2016													
12/12/2017													
1/30/2019											0.5 (o)		

FIGURE A.

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

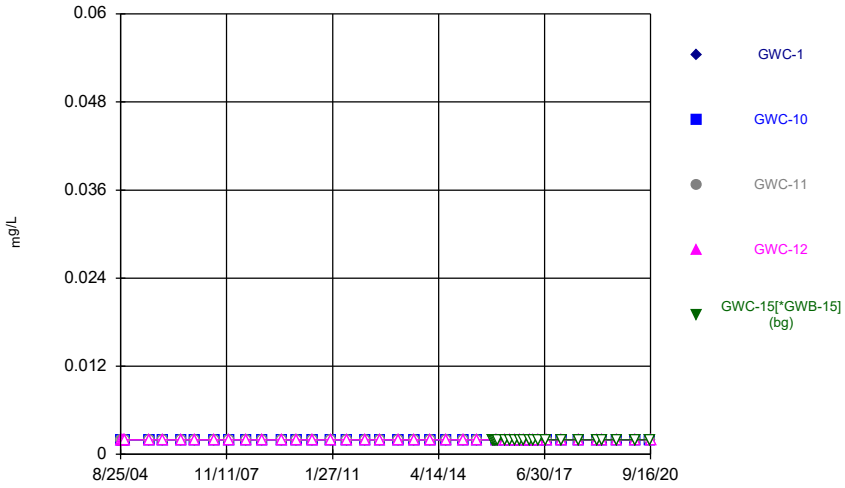
Time Series



Constituent: Antimony Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

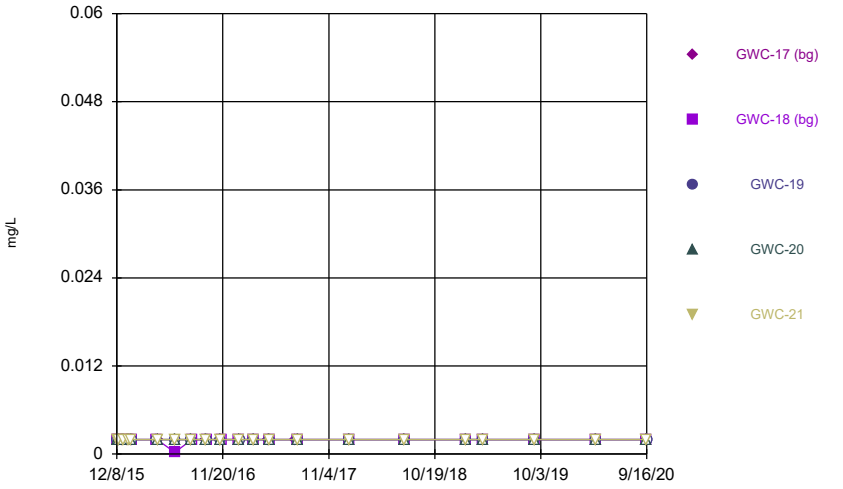
Time Series



Constituent: Antimony Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

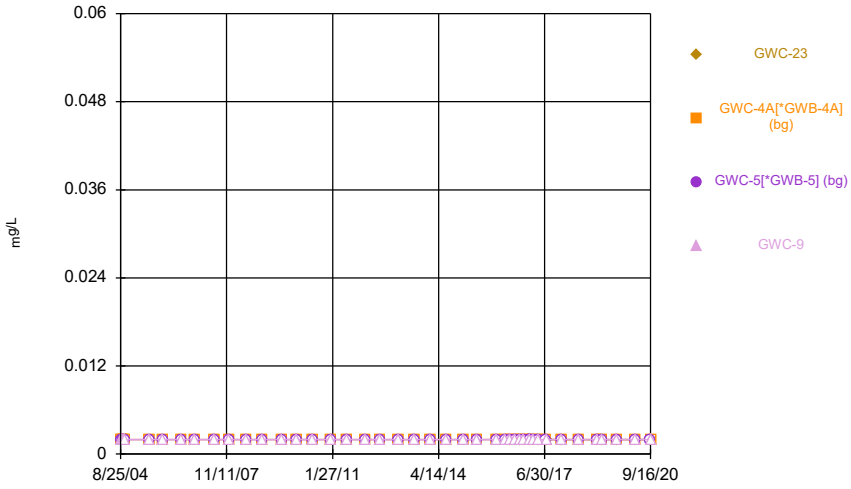
Time Series



Constituent: Antimony Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Antimony Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				<0.002	<0.002
9/26/2004				<0.002	<0.002
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				<0.002	<0.002
11/28/2006				<0.002	<0.002
7/6/2007				<0.002	<0.002
12/13/2007				<0.002	<0.002
6/20/2008				<0.002	<0.002
12/7/2008				<0.002	<0.002
7/9/2009				<0.002	<0.002
12/28/2009				<0.002	<0.002
6/22/2010				<0.002	<0.002
1/4/2011				<0.002	
1/5/2011					<0.002
7/9/2011				<0.002	<0.002
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				<0.002	<0.002
1/19/2013					<0.002
1/20/2013				<0.002	
7/18/2013					<0.002
7/19/2013				<0.002	
1/15/2014				<0.002	<0.002
7/11/2014				<0.002 (D)	<0.002 (D)
1/15/2015					<0.002
1/16/2015				<0.002	
6/19/2015					<0.002
6/20/2015				<0.002	
12/7/2015	<0.002	<0.002	<0.002		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002		
1/16/2016				<0.002	<0.002
1/25/2016	<0.002	<0.002	<0.002		
4/19/2016				<0.002	<0.002
4/20/2016	<0.002	<0.002	<0.002		
6/14/2016	<0.002	<0.002		<0.002	<0.002
6/15/2016			<0.002		
8/9/2016	<0.002	<0.002	<0.002	<0.002	<0.002
9/26/2016				<0.002	
9/27/2016	<0.002	<0.002	<0.002		<0.002
11/14/2016					<0.002
11/15/2016	<0.002	<0.002	<0.002	<0.002	
1/10/2017				<0.002	<0.002
1/11/2017		<0.002	<0.002		
1/12/2017	<0.002				
2/28/2017	<0.002	<0.002		<0.002	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.002		
4/19/2017				<0.002	<0.002
4/20/2017	<0.002	<0.002	<0.002		
7/17/2017				<0.002	
7/18/2017	<0.002				0.0022 (J)
7/19/2017		<0.002	<0.002		
1/10/2018	<0.002			<0.002	<0.002
1/11/2018		<0.002	<0.002		
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002		
3/27/2019				<0.002	<0.002
9/10/2019	0.00052 (J)	<0.002	<0.002		
9/11/2019				<0.002	0.00081 (J)
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	0.0004 (J)	<0.002
9/15/2020	<0.002	0.00039 (J)	<0.002	<0.002	<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	<0.002	<0.002	
9/11/2004	<0.002	<0.002	<0.002	<0.002	
9/26/2004	<0.002	<0.002	<0.002	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	<0.002	<0.002	<0.002	
12/7/2005	<0.002	<0.002	<0.002	<0.002	
6/22/2006	<0.002	<0.002	<0.002	<0.002	
11/28/2006	<0.002	<0.002	<0.002	<0.002	
7/6/2007	<0.002	<0.002	<0.002	<0.002	
12/13/2007	<0.002	<0.002	<0.002	<0.002	
6/20/2008	<0.002	<0.002	<0.002	<0.002	
12/7/2008	<0.002	<0.002	<0.002	<0.002	
7/9/2009	<0.002				
7/10/2009		<0.002	<0.002	<0.002	
12/28/2009	<0.002			<0.002	
12/29/2009		<0.002	<0.002		
6/22/2010	<0.002	<0.002	<0.002	<0.002	
1/4/2011	<0.002	<0.002		<0.002	
1/5/2011			<0.002		
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	<0.002		
7/11/2012	<0.002	<0.002	<0.002	<0.002	
1/19/2013			<0.002	<0.002	
1/20/2013	<0.002	<0.002			
7/18/2013				<0.002	
7/19/2013	<0.002	<0.002	<0.002		
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			
7/10/2014		<0.002 (D)			
7/11/2014	<0.002 (D)		<0.002 (D)	<0.002 (D)	
1/15/2015				<0.002	
1/16/2015	<0.002	<0.002	<0.002		
6/19/2015				<0.002	
6/20/2015	<0.002	<0.002	<0.002		
12/7/2015					<0.002
12/15/2015					<0.002
12/28/2015					<0.002
1/13/2016					<0.002
1/14/2016			<0.002		
1/16/2016	<0.002	<0.002		<0.002	
1/25/2016					<0.002
4/20/2016	<0.002		<0.002	<0.002	
4/21/2016		<0.002			<0.002
6/15/2016	<0.002		<0.002	<0.002	<0.002
6/16/2016		<0.002			
8/9/2016					<0.002
8/10/2016	<0.002	<0.002	<0.002	<0.002	
9/27/2016	<0.002	<0.002	<0.002	<0.002	<0.002
11/15/2016	<0.002	<0.002	<0.002	<0.002	<0.002
1/11/2017					<0.002

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.002	<0.002	<0.002	<0.002	
1/23/2017	<0.002				
2/28/2017					<0.002
3/1/2017	<0.002	<0.002	<0.002	<0.002	
4/20/2017	<0.002			<0.002	<0.002
4/24/2017		<0.002	<0.002		
7/19/2017	<0.002				<0.002
7/20/2017				<0.002	
7/24/2017		<0.002	<0.002		
1/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2018					<0.002
7/12/2018	<0.002	<0.002	<0.002	<0.002	
1/29/2019					<0.002
1/30/2019	<0.002	<0.002	<0.002	<0.002	
3/26/2019					<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	
9/11/2019	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2020	<0.002	<0.002		<0.002	<0.002
4/2/2020			<0.002		
9/15/2020	<0.002	<0.002	<0.002		<0.002
9/16/2020				<0.002	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.002	<0.002	<0.002		
12/9/2015				<0.002	<0.002
12/14/2015	<0.002	<0.002		<0.002	<0.002
12/15/2015			<0.002		
12/28/2015	<0.002	<0.002	<0.002		
12/29/2015				<0.002	<0.002
1/13/2016	<0.002				
1/14/2016		<0.002	<0.002	<0.002	<0.002
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	<0.002	<0.002		
4/19/2016		<0.002	<0.002		
4/20/2016	<0.002				
4/21/2016				<0.002	<0.002
6/15/2016	<0.002				
6/16/2016		0.00022 (J)	<0.002	<0.002	<0.002
8/9/2016	<0.002				
8/10/2016			<0.002	<0.002	<0.002
8/11/2016		<0.002			
9/27/2016	<0.002			<0.002	<0.002
9/28/2016		<0.002	<0.002		
11/15/2016	<0.002		<0.002	<0.002	<0.002
11/16/2016		<0.002			
1/11/2017	<0.002	<0.002			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			<0.002		
3/1/2017	<0.002	<0.002	<0.002	<0.002	<0.002
4/20/2017	<0.002				
4/24/2017					<0.002
4/25/2017		<0.002	<0.002	<0.002	
7/19/2017	<0.002				
7/25/2017		<0.002	<0.002	<0.002	<0.002
1/11/2018	<0.002				<0.002
1/12/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002		<0.002	<0.002	
1/30/2019		<0.002			<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	<0.002	<0.002	<0.002	<0.002	<0.002
4/1/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002		<0.002	<0.002
9/16/2020			<0.002		

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.002	<0.002	<0.002
9/11/2004		<0.002	<0.002	<0.002
9/26/2004		<0.002	<0.002	<0.002
10/13/2004		<0.002	<0.002	<0.002
7/11/2005		<0.002	<0.002	<0.002
12/7/2005		<0.002	<0.002	<0.002
6/22/2006		<0.002	<0.002	<0.002
11/28/2006		<0.002	<0.002	<0.002
7/6/2007		<0.002	<0.002	<0.002
12/13/2007		<0.002	<0.002	<0.002
6/20/2008		<0.002	<0.002	<0.002
12/7/2008		<0.002	<0.002	<0.002
7/9/2009		<0.002	<0.002	<0.002
12/29/2009			<0.002	<0.002
12/30/2009		<0.002		
6/22/2010		<0.002	<0.002	<0.002
1/4/2011		<0.002	<0.002	
1/5/2011				<0.002
7/9/2011			<0.002	<0.002
7/10/2011		<0.002		
1/21/2012		<0.002	<0.002	<0.002
7/11/2012		<0.002	<0.002	<0.002
1/19/2013			<0.002	<0.002
1/20/2013		<0.002		
7/18/2013			<0.002	<0.002
7/19/2013		<0.002		
1/15/2014			<0.002	<0.002
1/16/2014		<0.002		
7/10/2014		<0.002 (D)	<0.002 (D)	<0.002 (D)
1/15/2015			<0.002	
1/16/2015		<0.002		<0.002
6/19/2015			<0.002	
6/20/2015		<0.002		<0.002
1/14/2016		<0.002	<0.002	<0.002
4/19/2016				<0.002
4/20/2016		<0.002	<0.002	
6/14/2016		<0.002	<0.002	
6/15/2016				<0.002
6/16/2016	<0.002			
8/9/2016			<0.002	
8/10/2016	<0.002			<0.002
8/11/2016		<0.002		
9/27/2016		<0.002	<0.002	<0.002
9/28/2016	<0.002			
11/14/2016		<0.002		
11/15/2016			<0.002	<0.002
11/16/2016	<0.002			
1/10/2017		<0.002		
1/11/2017			<0.002	
1/13/2017				<0.002
1/17/2017	<0.002			
1/19/2017			<0.002	

Time Series

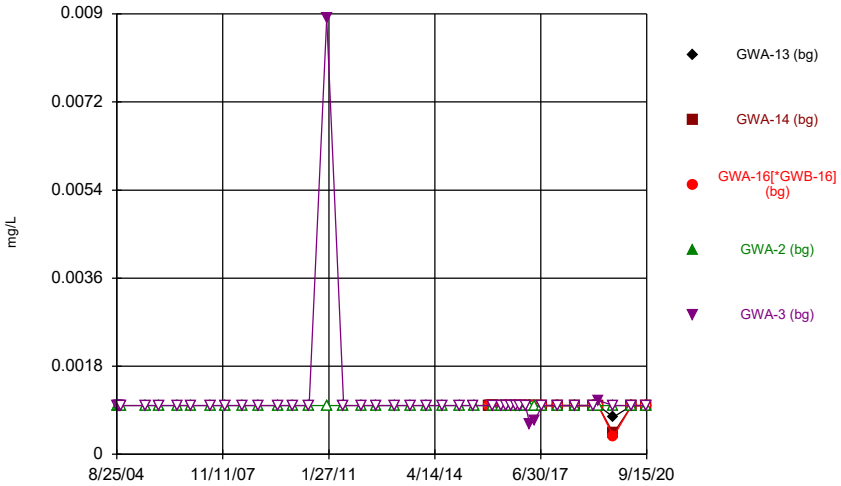
Constituent: Antimony (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.002	
2/28/2017		<0.002	<0.002	
3/1/2017				<0.002
3/2/2017	<0.002			
4/20/2017		<0.002	<0.002	
4/24/2017				<0.002
4/25/2017	<0.002			
7/13/2017	<0.002			
7/18/2017		<0.002	<0.002	
7/24/2017				<0.002
7/25/2017	<0.002			
1/10/2018		<0.002	<0.002	
1/12/2018	<0.002			<0.002
7/11/2018		<0.002	<0.002	
7/12/2018	<0.002			<0.002
1/29/2019		<0.002	<0.002	
1/30/2019	<0.002			<0.002
3/26/2019		<0.002	<0.002	
3/27/2019	<0.002			<0.002
9/10/2019		<0.002	<0.002	
9/11/2019	<0.002			<0.002
3/31/2020		<0.002	<0.002	
4/1/2020	<0.002			<0.002
9/15/2020	<0.002		<0.002	
9/16/2020		<0.002		<0.002

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

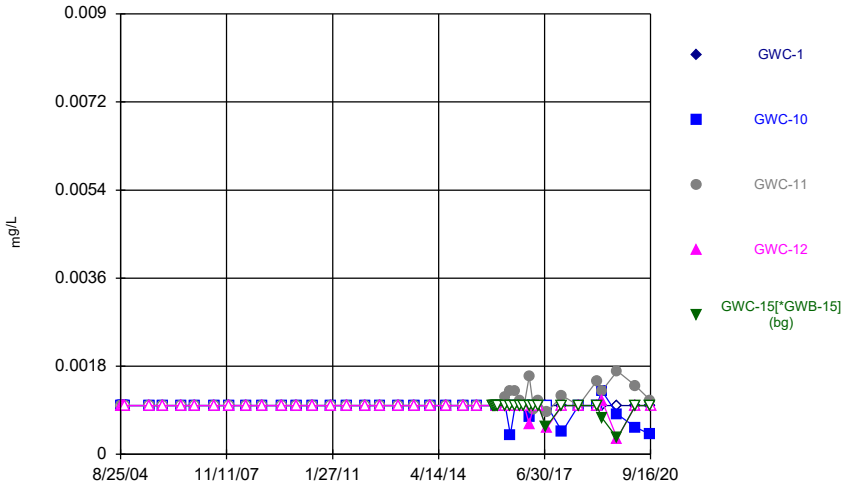
Time Series



Constituent: Arsenic Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

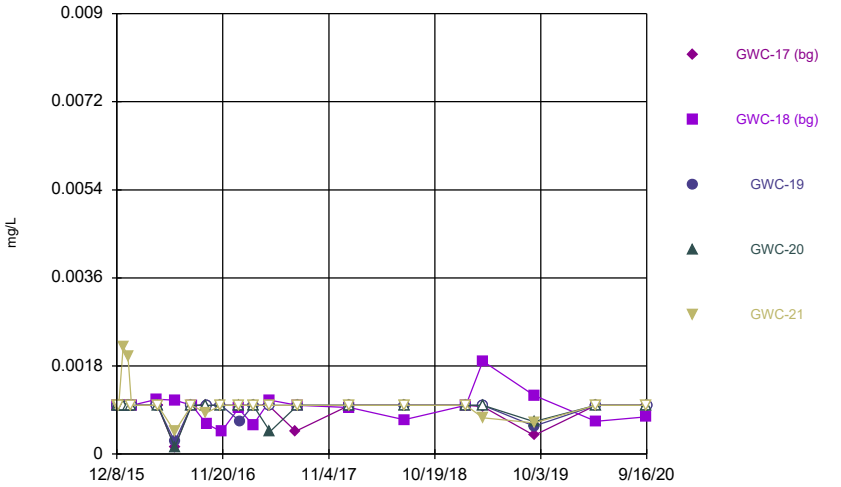
Time Series



Constituent: Arsenic Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

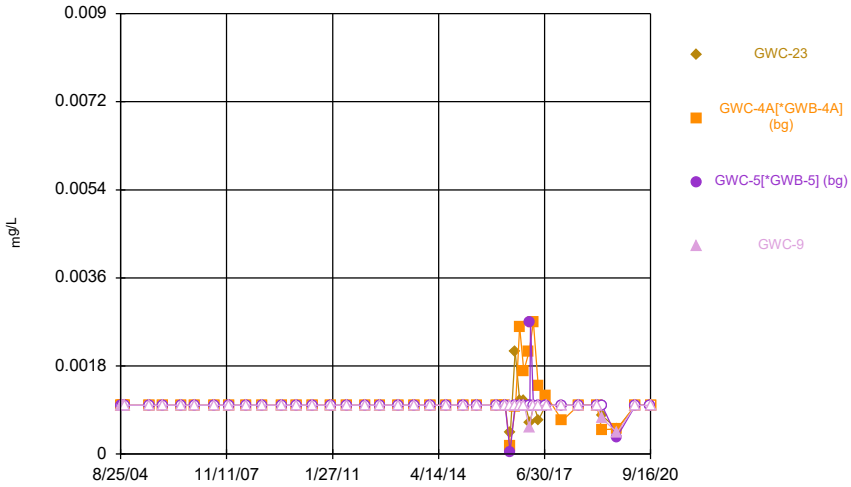
Time Series



Constituent: Arsenic Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Arsenic Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.0089
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	0.00061 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.001		
4/19/2017				<0.001	0.00069 (J)
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	0.0011
9/10/2019	0.00076 (J)	0.00043 (J)	0.00036 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		<0.001	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		0.00117 (J)	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		0.0013 (J)	<0.001	<0.001
6/16/2016		0.0004 (J)			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	0.0013	<0.001	
9/27/2016	<0.001	<0.001	0.0011 (J)	<0.001	<0.001
11/15/2016	<0.001	<0.001	0.001 (J)	<0.001	<0.001
1/11/2017					<0.001

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.001	0.00077 (J)	0.0016	0.00062 (J)	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	0.00092 (J)	<0.001	
4/20/2017	<0.001			<0.001	<0.001
4/24/2017		<0.001	0.0011 (J)		
7/19/2017	<0.001				0.00056 (J)
7/20/2017				0.00053 (J)	
7/24/2017		<0.001	0.00086 (J)		
1/11/2018	<0.001	0.00046 (J)	0.0012 (J)	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	0.001 (J)	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	0.0015 (J)	<0.001	
3/26/2019					0.00075
3/27/2019	<0.001	0.0013	0.0013	0.0011	
9/11/2019	<0.001	0.00082 (J)	0.0017	0.00032 (J)	0.00033 (J)
4/1/2020	<0.001	0.00055 (J)		<0.001	<0.001
4/2/2020			0.0014		
9/15/2020	<0.001	0.00041 (J)	0.0011		<0.001
9/16/2020				<0.001	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	0.0022 (J)
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	0.002 (J)
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
4/19/2016		0.00112 (J)	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	0.00015 (J)				
6/16/2016		0.0011 (J)	0.00026 (J)	0.00014 (J)	0.00046 (J)
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		0.001 (J)			
9/27/2016	<0.001			<0.001	0.00084 (J)
9/28/2016		0.00062 (J)	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		0.00046 (J)			
1/11/2017	<0.001	0.00093 (J)			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			0.00067 (J)		
3/1/2017	<0.001	0.0006 (J)	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		0.0011 (J)	<0.001	0.00046 (J)	
7/19/2017	0.00047 (J)				
7/25/2017		0.001 (J)	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		0.00095 (J)	<0.001	<0.001	
7/11/2018	<0.001	0.0007 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		<0.001			<0.001
3/27/2019	0.00097	0.0019	<0.001	<0.001	0.00074
9/11/2019	0.00038 (J)	0.0012	0.00057 (J)	0.00066 (J)	0.00064 (J)
4/1/2020	<0.001	0.00067	<0.001	<0.001	<0.001
9/15/2020	<0.001	0.00076 (J)		<0.001	<0.001
9/16/2020			<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	<0.001
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		<0.001		<0.001
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
4/19/2016				<0.001
4/20/2016		<0.001	<0.001	
6/14/2016		0.00016 (J)	5E-05 (J)	
6/15/2016				<0.001
6/16/2016	0.00043 (J)			
8/9/2016			<0.001	
8/10/2016	0.0021			<0.001
8/11/2016		0.00096 (J)		
9/27/2016		0.0026	<0.001	<0.001
9/28/2016	0.0011 (J)			
11/14/2016		0.0017		
11/15/2016			<0.001	<0.001
11/16/2016	0.0011 (J)			
1/10/2017		0.0021		
1/11/2017			<0.001	
1/13/2017				0.00055 (J)
1/17/2017	0.00064 (J)			
1/19/2017			<0.001	

Time Series

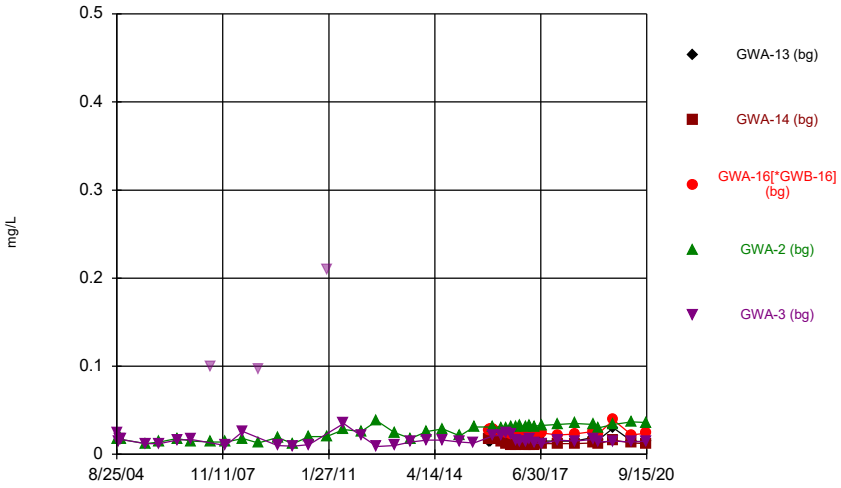
Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.0027	
2/28/2017		0.0027	<0.001	
3/1/2017				<0.001
3/2/2017	<0.001			
4/20/2017		0.0014	<0.001	
4/24/2017				<0.001
4/25/2017	0.0007 (J)			
7/13/2017	<0.001			
7/18/2017		0.0012 (J)	<0.001	
7/24/2017				<0.001
7/25/2017	<0.001			
1/10/2018		0.00068 (J)	<0.001	
1/12/2018	<0.001			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	<0.001			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	<0.001			<0.001
3/26/2019		0.0005	<0.001	
3/27/2019	0.00079			0.00073
9/10/2019		0.00051 (J)	0.00035 (J)	
9/11/2019	0.00051 (J)			0.00044 (J)
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001
9/15/2020	<0.001		<0.001	
9/16/2020		<0.001		<0.001

Sanitas™ v.9.6.27 . UG

Time Series

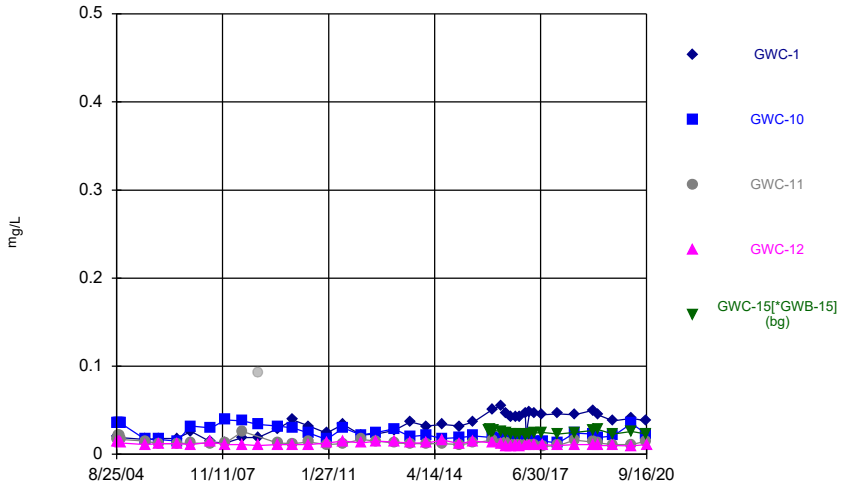


Constituent: Barium Analysis Run 11/18/2020 9:28 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series

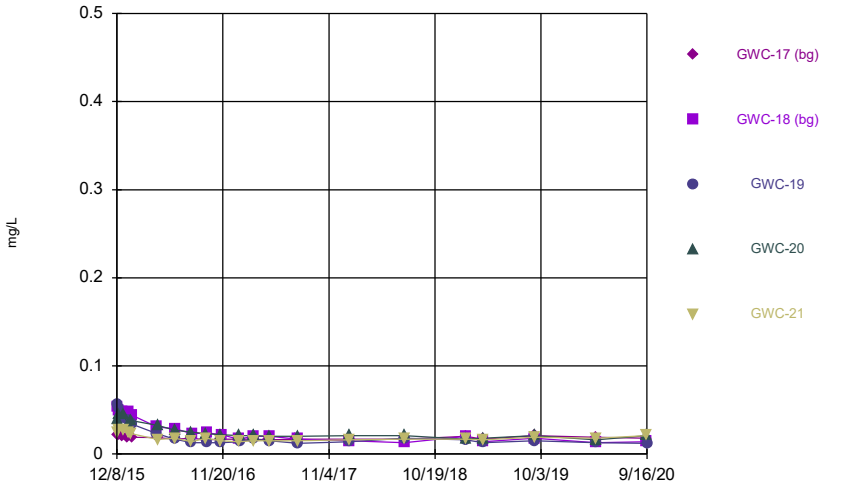


Constituent: Barium Analysis Run 11/18/2020 9:28 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series

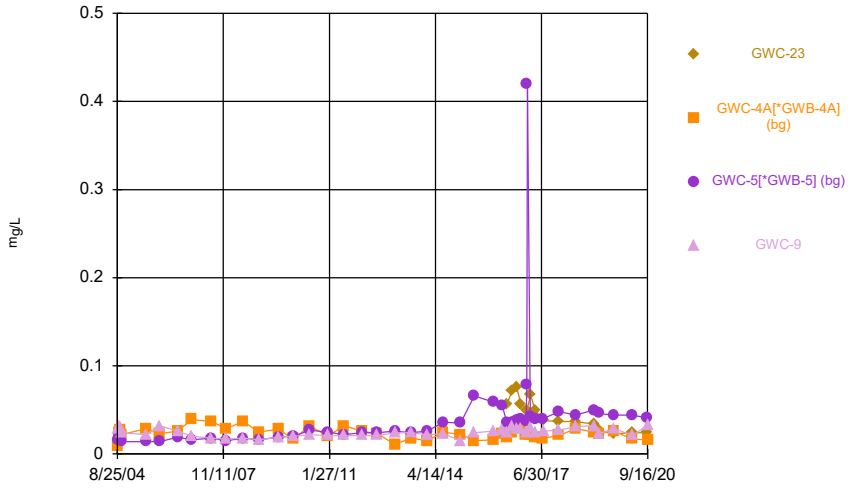


Constituent: Barium Analysis Run 11/18/2020 9:28 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series



Constituent: Barium Analysis Run 11/18/2020 9:28 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				0.018	0.025
9/11/2004				0.019	0.015
9/26/2004				0.02	0.017
10/13/2004				0.017	0.017
7/11/2005				0.012	0.012
12/7/2005				0.014	0.012
6/22/2006				0.018	0.016
11/28/2006				0.015	0.017
7/6/2007				0.014	0.1 (O)
12/13/2007				0.014	0.01
6/20/2008				0.018	0.026
12/7/2008				0.013	0.097 (O)
7/9/2009				0.019	0.01
12/28/2009				0.012	0.0091
6/22/2010				0.02	0.011
1/4/2011				0.02	
1/5/2011					0.21 (O)
7/9/2011				0.028	0.035
1/20/2012					0.021
1/21/2012				0.026	
7/11/2012				0.038	0.009
1/19/2013					0.01
1/20/2013				0.025	
7/18/2013					0.014
7/19/2013				0.018	
1/15/2014				0.026	0.016
7/11/2014				0.029	0.016
1/15/2015					0.014
1/16/2015				0.021	
6/19/2015					0.013
6/20/2015				0.031	
12/7/2015	0.015	0.018	0.027		
12/14/2015			0.028		
12/15/2015	0.015	0.017			
12/28/2015			0.029		
12/29/2015	0.016	0.018			
1/13/2016	0.017	0.018	0.028		
1/16/2016				0.031	0.021
1/25/2016	0.017	0.018	0.027		
4/19/2016				0.0305	0.0217
4/20/2016	0.0144	0.0143	0.0259		
6/14/2016	0.015	0.012		0.03	0.024
6/15/2016			0.024		
8/9/2016	0.013	0.011	0.023	0.032	0.023
9/26/2016				0.031	
9/27/2016	0.015	0.01	0.021		0.016
11/14/2016					0.014
11/15/2016	0.015	0.012	0.023	0.033	
1/10/2017				0.031	0.015
1/11/2017		0.011	0.021		
1/12/2017	0.012				
2/28/2017	0.016	0.011		0.033	0.017

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			0.022		
4/19/2017				0.032	0.013
4/20/2017	0.015	0.011	0.022		
7/17/2017				0.033	
7/18/2017	0.015				0.012
7/19/2017		0.012	0.024		
1/10/2018	0.015			0.034	0.016
1/11/2018		0.012	0.022		
7/11/2018	0.015	0.012	0.023	0.035	0.015
1/29/2019	0.019	0.013	0.026	0.034	0.017
3/26/2019	0.016	0.012	0.023		
3/27/2019				0.03	0.014
9/10/2019	0.03	0.016	0.039		
9/11/2019				0.034	0.015
3/31/2020	0.015				
4/1/2020		0.013	0.022	0.037	0.014
9/15/2020	0.014	0.012	0.024	0.036	0.015

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	0.02	0.036	0.018	0.014	
9/11/2004	0.021	0.036	0.022	0.014	
9/26/2004	0.019	0.035	0.022	0.014	
10/13/2004		0.035	0.017	0.013	
7/11/2005	0.017	0.017	0.015	0.011	
12/7/2005	0.018	0.017	0.012	0.012	
6/22/2006	0.018	0.015	0.012	0.012	
11/28/2006	0.026	0.032	0.013	0.011	
7/6/2007	0.014	0.03	0.012	0.014	
12/13/2007	0.013	0.039	0.013	0.011	
6/20/2008	0.019	0.038	0.026	0.011	
12/7/2008	0.019	0.034	0.093 (O)	0.01	
7/9/2009	0.029				
7/10/2009		0.032	0.013	0.011	
12/28/2009	0.039			0.011	
12/29/2009		0.03	0.012		
6/22/2010	0.032	0.024	0.014	0.011	
1/4/2011	0.024	0.017		0.013	
1/5/2011			0.011		
7/9/2011	0.034		0.012	0.015	
7/10/2011		0.03			
1/20/2012				0.013	
1/21/2012	0.022	0.022	0.017		
7/11/2012	0.023	0.025	0.015	0.015	
1/19/2013			0.013	0.014	
1/20/2013	0.027	0.029			
7/18/2013				0.013	
7/19/2013	0.037	0.02	0.012		
1/15/2014	0.032		0.012	0.013	
1/16/2014		0.022			
7/10/2014		0.018			
7/11/2014	0.034		0.012	0.016	
1/15/2015				0.012	
1/16/2015	0.032	0.019	0.011		
6/19/2015				0.015	
6/20/2015	0.037	0.021	0.013		
12/7/2015					0.027
12/15/2015					0.028
12/28/2015					0.026
1/13/2016					0.026
1/14/2016			0.016		
1/16/2016	0.051	0.019		0.013	
1/25/2016					0.027
4/20/2016	0.0554		0.0113	0.0114	
4/21/2016		0.0178			0.0262
6/15/2016	0.046		0.013	0.0095 (J)	0.024
6/16/2016		0.022			
8/9/2016					0.023
8/10/2016	0.042	0.015	0.01	0.0094	
9/27/2016	0.042	0.014	0.01	0.011	0.023
11/15/2016	0.042	0.015	0.011	0.0096	0.023
1/11/2017					0.022

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.046	0.015	0.01	0.01	
1/23/2017	0.023				
2/28/2017					0.023
3/1/2017	0.048	0.017	0.011	0.011	
4/20/2017	0.046			0.01	0.024
4/24/2017		0.014	0.01		
7/19/2017	0.045				0.025
7/20/2017				0.011	
7/24/2017		0.015	0.0089		
1/11/2018	0.046	0.013	0.01	0.01	0.023
7/11/2018					0.025
7/12/2018	0.045	0.024	0.016	0.011	
1/29/2019					0.027
1/30/2019	0.05	0.023	0.014 (J)	0.011 (J)	
3/26/2019					0.028
3/27/2019	0.045	0.019	0.013	0.0099	
9/11/2019	0.038	0.021	0.011	0.01	0.023
4/1/2020	0.041	0.035		0.0097 (J)	0.026
4/2/2020			0.011		
9/15/2020	0.038	0.023	0.015		0.023
9/16/2020				0.011	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.021	0.053	0.057		
12/9/2015				0.039	0.024
12/14/2015	0.021	0.049		0.045	0.027
12/15/2015			0.052		
12/28/2015	0.02	0.048	0.041		
12/29/2015				0.045	0.027
1/13/2016	0.019				
1/14/2016		0.048	0.038	0.034	0.025
1/25/2016				0.038	0.023
1/26/2016	0.019	0.044	0.034		
4/19/2016		0.0308	0.023		
4/20/2016	0.0188				
4/21/2016				0.0325	0.0165
6/15/2016	0.017				
6/16/2016		0.029	0.017	0.027	0.018
8/9/2016	0.018				
8/10/2016			0.013	0.025	0.014
8/11/2016		0.023			
9/27/2016	0.016			0.023	0.018
9/28/2016		0.024	0.013		
11/15/2016	0.017		0.013	0.022	0.015
11/16/2016		0.022			
1/11/2017	0.017	0.017			
1/12/2017					0.014
1/13/2017				0.021	
1/16/2017			0.014		
3/1/2017	0.017	0.02	0.017	0.021	0.015
4/20/2017	0.016				
4/24/2017					0.015
4/25/2017		0.02	0.015	0.02	
7/19/2017	0.017				
7/25/2017		0.017	0.012	0.02	0.015
1/11/2018	0.017				0.016
1/12/2018		0.015	0.014	0.021	
7/11/2018	0.017	0.013	0.018	0.021	0.017
1/29/2019	0.02		0.016	0.017	
1/30/2019		0.02			0.017
3/27/2019	0.017	0.014	0.013	0.018	0.016
9/11/2019	0.021	0.018	0.015	0.021	0.019
4/1/2020	0.019	0.013	0.013	0.016	0.018
9/15/2020	0.018	0.014		0.021	0.021
9/16/2020			0.012		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0096	0.016	0.029
9/11/2004		0.024	0.02	0.031
9/26/2004		0.027	0.016	0.03
10/13/2004		0.022	0.014	0.024
7/11/2005		0.029	0.014	0.022
12/7/2005		0.023	0.014	0.032
6/22/2006		0.026	0.019	0.026
11/28/2006		0.039	0.016	0.02
7/6/2007		0.037	0.018	0.018
12/13/2007		0.029	0.015	0.017
6/20/2008		0.037	0.018	0.018
12/7/2008		0.025	0.016	0.016
7/9/2009		0.028	0.019	0.019
12/29/2009			0.02	0.02
12/30/2009		0.017		
6/22/2010		0.032	0.027	0.022
1/4/2011		0.02	0.025	
1/5/2011				0.021
7/9/2011			0.022	0.021
7/10/2011		0.032		
1/21/2012		0.026	0.024	0.021
7/11/2012		0.023	0.024	0.021
1/19/2013			0.026	0.024
1/20/2013		0.011		
7/18/2013			0.024	0.024
7/19/2013		0.018		
1/15/2014			0.026	0.022
1/16/2014		0.015		
7/10/2014		0.025	0.036	0.023
1/15/2015			0.035	
1/16/2015		0.022		0.015
6/19/2015			0.066	
6/20/2015		0.015		0.024
1/14/2016		0.016	0.059	0.026
4/19/2016				0.0274
4/20/2016		0.0234	0.0553	
6/14/2016		0.019	0.035	
6/15/2016				0.024
6/16/2016	0.057			
8/9/2016			0.035	
8/10/2016	0.072			0.031
8/11/2016		0.024		
9/27/2016		0.035	0.038	0.029
9/28/2016	0.076			
11/14/2016		0.034		
11/15/2016			0.039	0.029
11/16/2016	0.057			
1/10/2017		0.021		
1/11/2017			0.037	
1/13/2017				0.025
1/17/2017	0.049			
1/19/2017			0.079	

Time Series

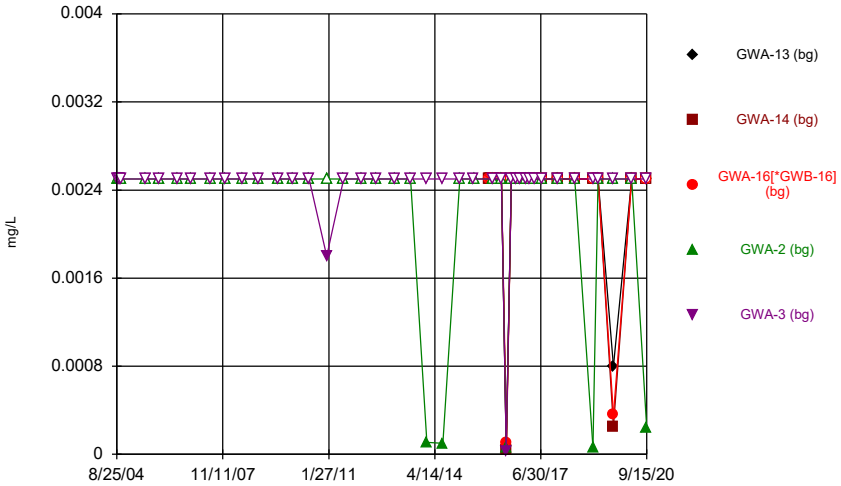
Constituent: Barium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.42	
2/28/2017		0.021	0.042	
3/1/2017				0.03
3/2/2017	0.067			
4/20/2017		0.019	0.04	
4/24/2017				0.024
4/25/2017	0.049			
7/13/2017	0.04			
7/18/2017		0.018	0.04	
7/24/2017				0.026
7/25/2017	0.038			
1/10/2018		0.021	0.048	
1/12/2018	0.037			0.027
7/11/2018		0.029	0.044	
7/12/2018	0.037			0.031
1/29/2019		0.025	0.05	
1/30/2019	0.034			0.032
3/26/2019		0.023	0.046	
3/27/2019	0.027			0.023
9/10/2019		0.026	0.044	
9/11/2019	0.023			0.029
3/31/2020		0.017	0.044	
4/1/2020	0.024			0.021
9/15/2020	0.024		0.041	
9/16/2020		0.016		0.033

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

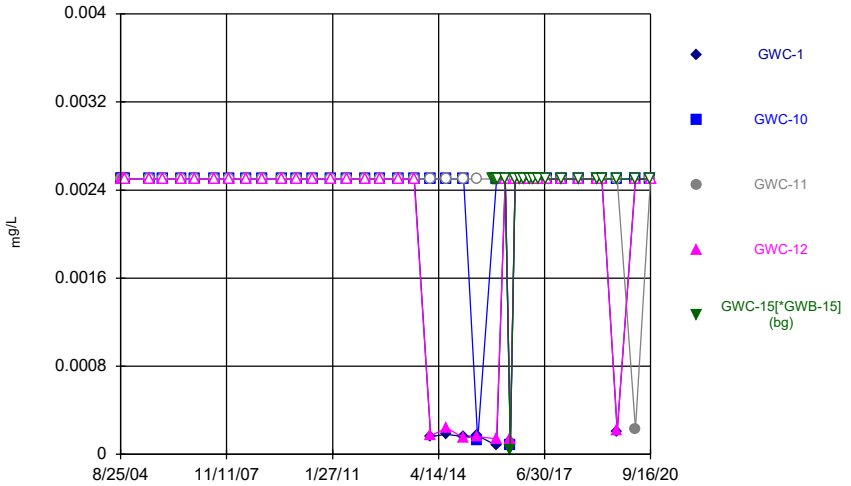
Time Series



Constituent: Beryllium Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

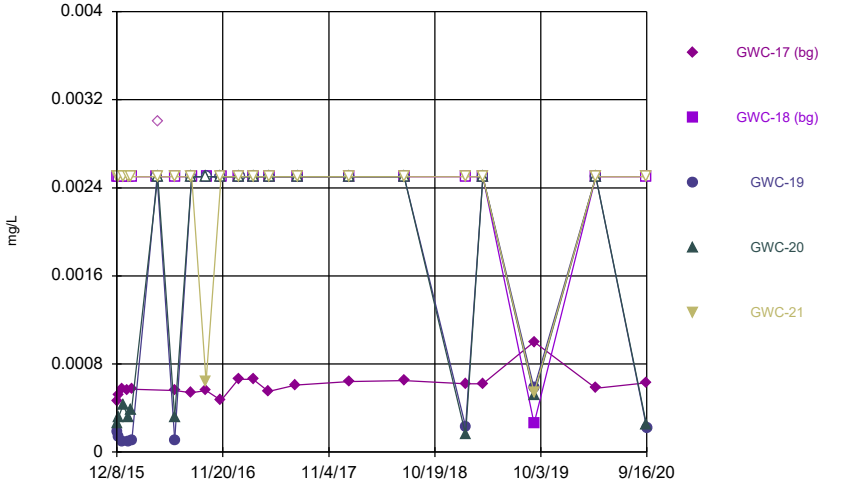
Time Series



Constituent: Beryllium Analysis Run 11/18/2020 9:28 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

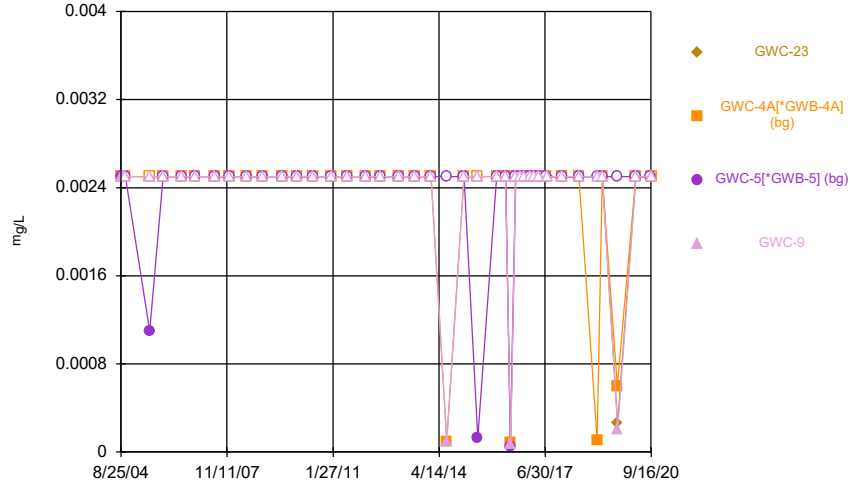
Time Series



Constituent: Beryllium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Beryllium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					0.0018
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				<0.0025	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				0.00011 (J)	<0.0025
7/11/2014				0.0001 (J)	<0.0025
1/15/2015					<0.0025
1/16/2015				<0.0025	
6/19/2015					<0.0025
6/20/2015				<0.0025	
12/7/2015	<0.0025	<0.0025	<0.0025		
12/14/2015			<0.0025		
12/15/2015	<0.0025	<0.0025			
12/28/2015			<0.0025		
12/29/2015		<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025		
1/16/2016				<0.0025	<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	7.1E-05 (J)	4.4E-05 (J)		6.5E-05 (J)	3.2E-05 (J)
6/15/2016			0.00011 (J)		
8/9/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025		<0.0025
11/14/2016					<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/10/2017				<0.0025	<0.0025
1/11/2017		<0.0025	<0.0025		
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025		<0.0025	<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.0025		
4/19/2017				<0.0025	<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025		
7/17/2017				<0.0025	
7/18/2017	<0.0025				<0.0025
7/19/2017		<0.0025	<0.0025		
1/10/2018	<0.0025			<0.0025	<0.0025
1/11/2018		<0.0025	<0.0025		
7/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025	6.3E-05 (J)	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				<0.0025	<0.0025
9/10/2019	0.0008 (J)	0.00025 (J)	0.00036 (J)		
9/11/2019				<0.0025	<0.0025
3/31/2020	<0.0025				
4/1/2020		<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	<0.0025	<0.0025	<0.0025	0.00024 (J)	<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	<0.0025		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	<0.0025		
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2013			<0.0025	<0.0025	
1/20/2013	<0.0025	<0.0025			
7/18/2013				<0.0025	
7/19/2013	<0.0025	<0.0025	<0.0025		
1/15/2014	0.00016 (J)		<0.0025	0.00017 (J)	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	0.00018 (J)		<0.0025	0.00024 (J)	
1/15/2015				0.00015 (J)	
1/16/2015	0.00016 (J)	<0.0025	<0.0025		
6/19/2015				0.00016 (J)	
6/20/2015	0.00017 (J)	0.00013 (J)	<0.0025		
12/7/2015					<0.0025
12/15/2015					<0.0025
12/28/2015					<0.0025
1/13/2016					<0.0025
1/14/2016			<0.0025		
1/16/2016	8E-05 (J)	<0.0025		0.00014 (J)	
1/25/2016					<0.0025
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	0.00012 (J)		<0.0025	0.00014 (J)	3.8E-05 (J)
6/16/2016		8.5E-05 (J)			
8/9/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/11/2017					<0.0025

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	
1/23/2017	<0.0025				
2/28/2017					<0.0025
3/1/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/20/2017	<0.0025			<0.0025	<0.0025
4/24/2017		<0.0025	<0.0025		
7/19/2017	<0.0025				<0.0025
7/20/2017				<0.0025	
7/24/2017		<0.0025	<0.0025		
1/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/11/2018					<0.0025
7/12/2018	<0.0025	<0.0025	<0.0025	<0.0025	
1/29/2019					<0.0025
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2019	0.00021 (J)	<0.0025	<0.0025	0.00022 (J)	<0.0025
4/1/2020	<0.0025	<0.0025		<0.0025	<0.0025
4/2/2020			0.00023 (J)		
9/15/2020	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2020				<0.0025	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.00046 (J)	<0.0025	0.00018 (J)		
12/9/2015				0.00026 (J)	<0.0025
12/14/2015	0.00052 (J)	<0.0025		0.00032 (J)	<0.0025
12/15/2015			0.00014 (J)		
12/28/2015	0.00057 (J)	<0.0025	9E-05 (J)		
12/29/2015				0.00043 (J)	<0.0025
1/13/2016	0.00056 (J)				
1/14/2016		<0.0025	0.0001 (J)	0.00032 (J)	<0.0025
1/25/2016				0.00038 (J)	<0.0025
1/26/2016	0.00057 (J)	<0.0025	0.00011 (J)		
4/19/2016		<0.0025	<0.0025		
4/20/2016	<0.003 (o)				
4/21/2016				<0.0025	<0.0025
6/15/2016	0.00056 (J)				
6/16/2016		<0.0025	0.00011 (J)	0.00032 (J)	<0.0025
8/9/2016	0.00054 (J)				
8/10/2016			<0.0025	<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	0.00056 (J)			<0.0025	0.00064 (J)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00047 (J)		<0.0025	<0.0025	<0.0025
11/16/2016		<0.0025			
1/11/2017	0.00066 (J)	<0.0025			
1/12/2017					<0.0025
1/13/2017				<0.0025	
1/16/2017			<0.0025		
3/1/2017	0.00066 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2017	0.00055 (J)				
4/24/2017					<0.0025
4/25/2017		<0.0025	<0.0025	<0.0025	
7/19/2017	0.00061 (J)				
7/25/2017		<0.0025	<0.0025	<0.0025	<0.0025
1/11/2018	0.00064 (J)				<0.0025
1/12/2018		<0.0025	<0.0025	<0.0025	
7/11/2018	0.00065 (J)	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	0.00062 (J)		0.00023 (J)	0.00016 (J)	
1/30/2019		<0.0025			<0.0025
3/27/2019	0.00062	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.001	0.00026 (J)	0.00058 (J)	0.00052 (J)	0.00054 (J)
4/1/2020	0.00058 (J)	<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	0.00063 (J)	<0.0025		0.00025 (J)	<0.0025
9/16/2020			0.00022 (J)		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025	<0.0025
7/11/2005		<0.0025	0.0011	<0.0025
12/7/2005		<0.0025	<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025	<0.0025
12/29/2009			<0.0025	<0.0025
12/30/2009		<0.0025		
6/22/2010		<0.0025	<0.0025	<0.0025
1/4/2011		<0.0025	<0.0025	
1/5/2011				<0.0025
7/9/2011			<0.0025	<0.0025
7/10/2011		<0.0025		
1/21/2012		<0.0025	<0.0025	<0.0025
7/11/2012		<0.0025	<0.0025	<0.0025
1/19/2013			<0.0025	<0.0025
1/20/2013		<0.0025		
7/18/2013			<0.0025	<0.0025
7/19/2013		<0.0025		
1/15/2014			<0.0025	<0.0025
1/16/2014		<0.0025		
7/10/2014		0.0001 (J)	<0.0025	0.0001 (J)
1/15/2015			<0.0025	
1/16/2015		<0.0025		<0.0025
6/19/2015			0.00013 (J)	
6/20/2015		<0.0025		<0.0025
1/14/2016		<0.0025	<0.0025	<0.0025
4/19/2016				<0.0025
4/20/2016		<0.0025	<0.0025	
6/14/2016		8.7E-05 (J)	5.4E-05 (J)	
6/15/2016				7.7E-05 (J)
6/16/2016	<0.0025			
8/9/2016			<0.0025	
8/10/2016	<0.0025			<0.0025
8/11/2016		<0.0025		
9/27/2016		<0.0025	<0.0025	<0.0025
9/28/2016	<0.0025			
11/14/2016		<0.0025		
11/15/2016			<0.0025	<0.0025
11/16/2016	<0.0025			
1/10/2017		<0.0025		
1/11/2017			<0.0025	
1/13/2017				<0.0025
1/17/2017	<0.0025			
1/19/2017			<0.0025	

Time Series

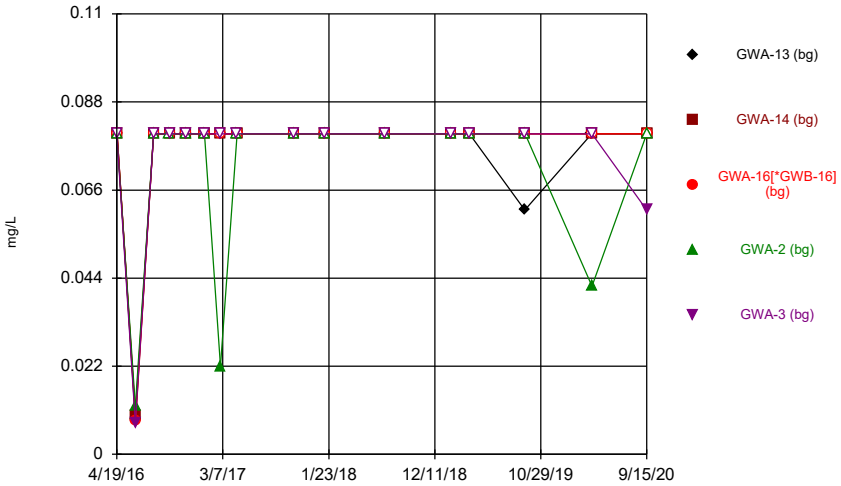
Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.0025	
2/28/2017		<0.0025	<0.0025	
3/1/2017				<0.0025
3/2/2017	<0.0025			
4/20/2017		<0.0025	<0.0025	
4/24/2017				<0.0025
4/25/2017	<0.0025			
7/13/2017	<0.0025			
7/18/2017		<0.0025	<0.0025	
7/24/2017				<0.0025
7/25/2017	<0.0025			
1/10/2018		<0.0025	<0.0025	
1/12/2018	<0.0025			<0.0025
7/11/2018		<0.0025	<0.0025	
7/12/2018	<0.0025			<0.0025
1/29/2019		0.00011 (J)	<0.0025	
1/30/2019	<0.0025			<0.0025
3/26/2019		<0.0025	<0.0025	
3/27/2019	<0.0025			<0.0025
9/10/2019		0.0006 (J)	<0.0025	
9/11/2019	0.00026 (J)			0.00021 (J)
3/31/2020		<0.0025	<0.0025	
4/1/2020	<0.0025			<0.0025
9/15/2020	<0.0025		<0.0025	
9/16/2020		<0.0025		<0.0025

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

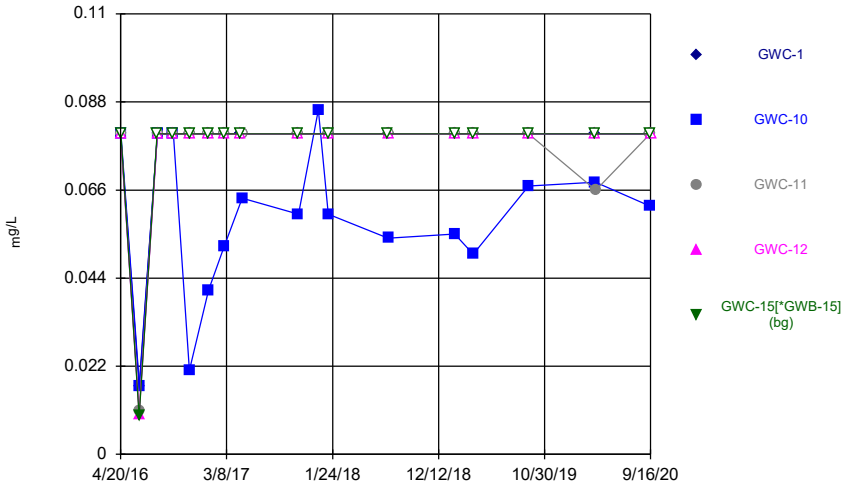
Time Series



Constituent: Boron Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

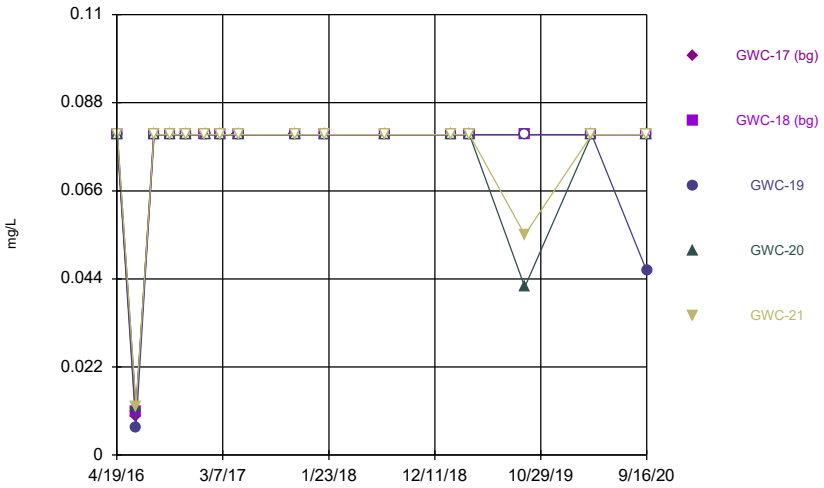
Time Series



Constituent: Boron Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

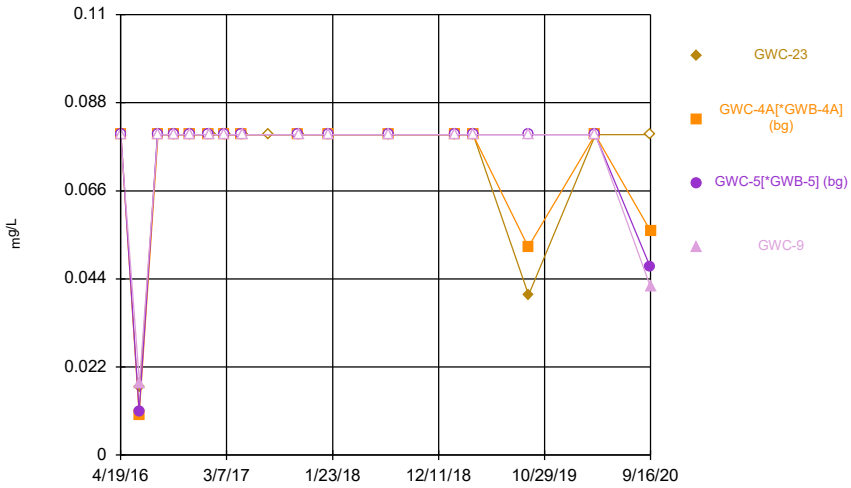
Time Series



Constituent: Boron Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Boron Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<0.08	<0.08
4/20/2016	<0.08	<0.08	<0.08		
6/14/2016	0.0086 (J)	0.0098 (J)		0.012 (J)	0.0077 (J)
6/15/2016			0.0085 (J)		
8/9/2016	<0.08	<0.08	<0.08	<0.08	<0.08
9/26/2016				<0.08	
9/27/2016	<0.08	<0.08	<0.08		<0.08
11/14/2016					<0.08
11/15/2016	<0.08	<0.08	<0.08	<0.08	
1/10/2017				<0.08	<0.08
1/11/2017		<0.08	<0.08		
1/12/2017	<0.08				
2/28/2017	<0.08	<0.08		0.022 (J)	<0.08
3/1/2017			<0.08		
4/19/2017				<0.08	<0.08
4/20/2017	<0.08	<0.08	<0.08		
10/10/2017				<0.08	
10/11/2017	<0.08	<0.08	<0.08		<0.08
1/10/2018	<0.08			<0.08	<0.08
1/11/2018		<0.08	<0.08		
7/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08
1/29/2019	<0.08	<0.08	<0.08	<0.08	<0.08
3/26/2019	<0.08	<0.08	<0.08		
3/27/2019				<0.08	<0.08
9/10/2019	0.061 (J)	<0.08	<0.08		
9/11/2019				<0.08	<0.08
3/31/2020	<0.08				
4/1/2020		<0.08	<0.08	0.042 (J)	<0.08
9/15/2020	<0.08	<0.08	<0.08	<0.08	0.061 (J)

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<0.08		<0.08	<0.08	
4/21/2016		<0.08			<0.08
6/15/2016	0.017 (J)		0.011 (J)	0.01 (J)	0.0095 (J)
6/16/2016		0.017 (J)			
8/9/2016					<0.08
8/10/2016	<0.08	<0.08	<0.08	<0.08	
9/27/2016	<0.08	<0.08	<0.08	<0.08	<0.08
11/15/2016	<0.08	0.021 (J)	<0.08	<0.08	<0.08
1/11/2017					<0.08
1/12/2017	<0.08	0.041 (J)	<0.08	<0.08	
2/28/2017					<0.08
3/1/2017	<0.08	0.052	<0.08	<0.08	
4/20/2017	<0.08			<0.08	<0.08
4/24/2017		0.064	<0.08		
10/11/2017	<0.08		<0.08		<0.08
10/12/2017		0.06		<0.08	
12/12/2017		0.086			
1/11/2018	<0.08	0.06	<0.08	<0.08	<0.08
7/11/2018					<0.08
7/12/2018	<0.08	0.054	<0.08	<0.08	
1/29/2019					<0.08
1/30/2019	<0.08	0.055	<0.08	<0.08	
3/26/2019					<0.08
3/27/2019	<0.08	0.05	<0.08	<0.08	
9/11/2019	<0.08	0.067 (J)	<0.08	<0.08	<0.08
4/1/2020	<0.08	0.068 (J)		<0.08	<0.08
4/2/2020			0.066 (J)		
9/15/2020	<0.08	0.062 (J)	<0.08		<0.08
9/16/2020				<0.08	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		<0.08	<0.08		
4/20/2016	<0.08				
4/21/2016				<0.08	<0.08
6/15/2016	0.0095 (J)				
6/16/2016		0.011 (J)	0.0069 (J)	0.012 (J)	0.012 (J)
8/9/2016	<0.08				
8/10/2016			<0.08	<0.08	<0.08
8/11/2016		<0.08			
9/27/2016	<0.08			<0.08	<0.08
9/28/2016		<0.08	<0.08		
11/15/2016	<0.08		<0.08	<0.08	<0.08
11/16/2016		<0.08			
1/11/2017	<0.08	<0.08			
1/12/2017					<0.08
1/13/2017				<0.08	
1/16/2017			<0.08		
3/1/2017	<0.08	<0.08	<0.08	<0.08	<0.08
4/20/2017	<0.08				
4/24/2017					<0.08
4/25/2017		<0.08	<0.08	<0.08	
10/11/2017	<0.08				
10/12/2017		<0.08	<0.08	<0.08	<0.08
1/11/2018	<0.08				<0.08
1/12/2018		<0.08	<0.08	<0.08	
7/11/2018	<0.08	<0.08	<0.08	<0.08	<0.08
1/29/2019	<0.08		<0.08	<0.08	
1/30/2019		<0.08			<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/11/2019	<0.08	<0.08	<0.08	0.042 (J)	0.055 (J)
4/1/2020	<0.08	<0.08	<0.08	<0.08	<0.08
9/15/2020	<0.08	<0.08		<0.08	<0.08
9/16/2020			0.046 (J)		

Time Series

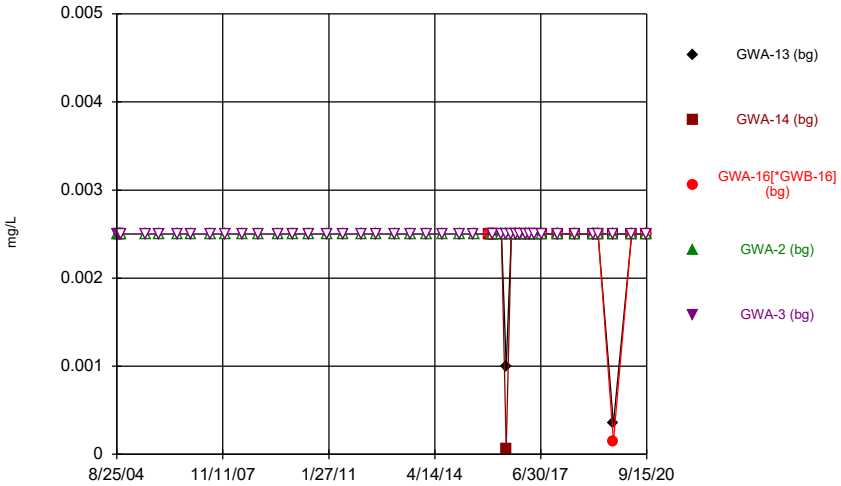
Constituent: Boron (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				<0.08
4/20/2016		<0.08	<0.08	
6/14/2016		0.01 (J)	0.011 (J)	
6/15/2016				0.018 (J)
6/16/2016	0.017 (J)			
8/9/2016			<0.08	
8/10/2016	<0.08			<0.08
8/11/2016		<0.08		
9/27/2016		<0.08	<0.08	<0.08
9/28/2016	<0.08			
11/14/2016		<0.08		
11/15/2016			<0.08	<0.08
11/16/2016	<0.08			
1/10/2017		<0.08		
1/11/2017			<0.08	
1/13/2017				<0.08
1/17/2017	<0.08			
2/28/2017		<0.08	<0.08	
3/1/2017				<0.08
3/2/2017	<0.08			
4/20/2017		<0.08	<0.08	
4/24/2017				<0.08
4/25/2017	<0.08			
7/13/2017	<0.08			
10/10/2017		<0.08		
10/11/2017			<0.08	
10/12/2017	<0.08			<0.08
1/10/2018		<0.08	<0.08	
1/12/2018	<0.08			<0.08
7/11/2018		<0.08	<0.08	
7/12/2018	<0.08			<0.08
1/29/2019		<0.08	<0.08	
1/30/2019	<0.08			<0.08
3/26/2019		<0.08	<0.08	
3/27/2019	<0.08			<0.08
9/10/2019		0.052 (J)	<0.08	
9/11/2019	0.04 (J)			<0.08
3/31/2020		<0.08	<0.08	
4/1/2020	<0.08			<0.08
9/15/2020	<0.08		0.047 (J)	
9/16/2020		0.056 (J)		0.042 (J)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

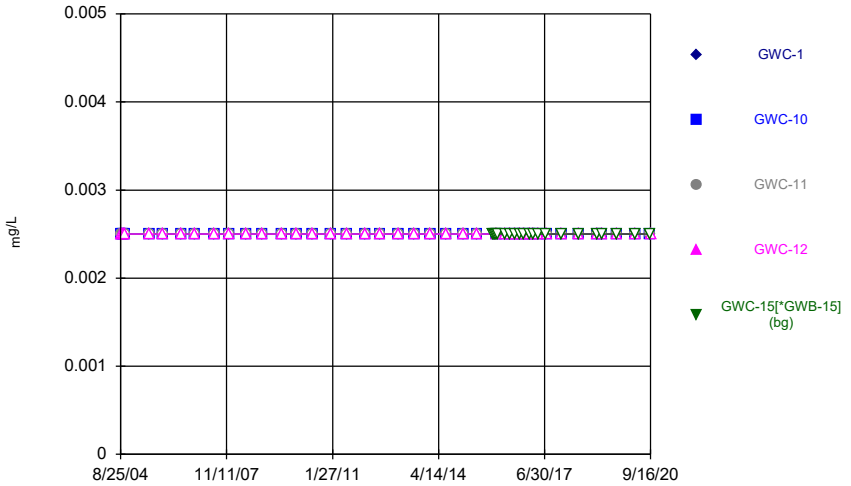
Time Series



Constituent: Cadmium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

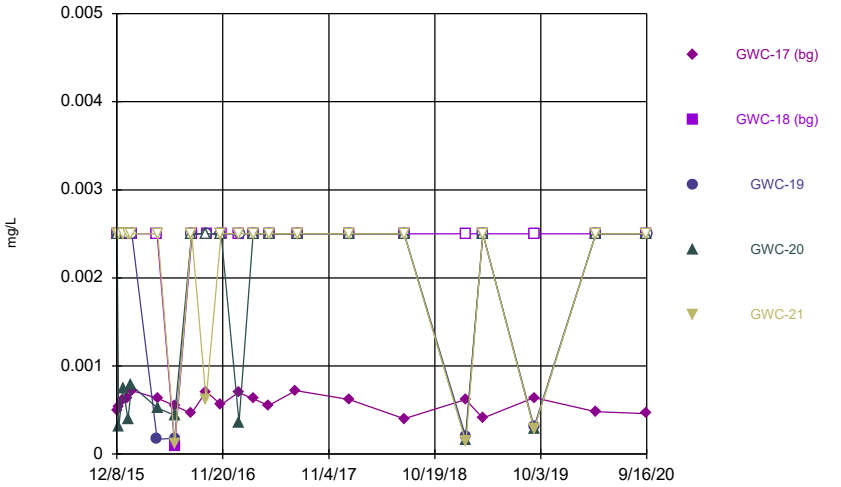
Time Series



Constituent: Cadmium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

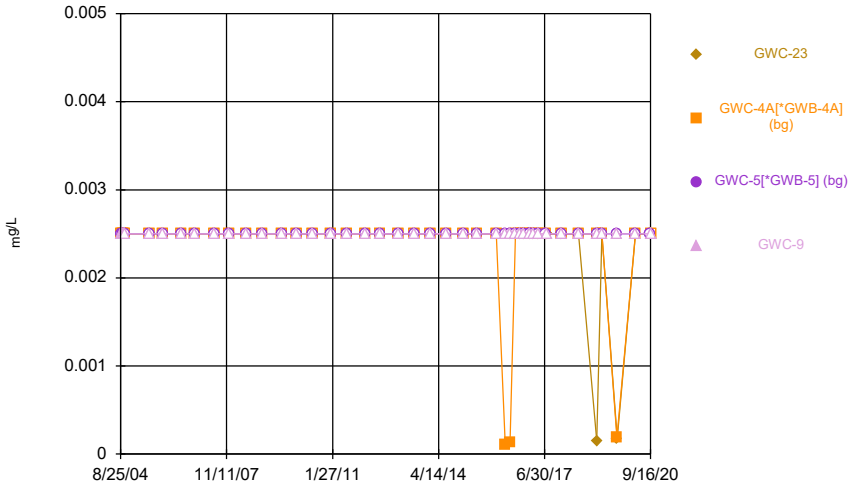
Time Series



Constituent: Cadmium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cadmium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					<0.0025
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				<0.0025	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				<0.0025	<0.0025
7/11/2014				<0.0025	<0.0025
1/15/2015					<0.0025
1/16/2015				<0.0025	
6/19/2015					<0.0025
6/20/2015				<0.0025	
12/7/2015	<0.0025	<0.0025	<0.0025		
12/14/2015			<0.0025		
12/15/2015	<0.0025	<0.0025			
12/28/2015			<0.0025		
12/29/2015	<0.0025	<0.0025			
1/13/2016	<0.0025	<0.0025	<0.0025		
1/16/2016				<0.0025	<0.0025
1/25/2016	<0.0025	<0.0025	<0.0025		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.0025		
6/14/2016	0.001	6.2E-05 (J)		<0.0025	<0.0025
6/15/2016			<0.0025		
8/9/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/26/2016				<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025		<0.0025
11/14/2016					<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	
1/10/2017				<0.0025	<0.0025
1/11/2017		<0.0025	<0.0025		
1/12/2017	<0.0025				
2/28/2017	<0.0025	<0.0025		<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.0025		
4/19/2017				<0.0025	<0.0025
4/20/2017	<0.0025	<0.0025	<0.0025		
7/17/2017				<0.0025	
7/18/2017	<0.0025				<0.0025
7/19/2017		<0.0025	<0.0025		
1/10/2018	<0.0025			<0.0025	<0.0025
1/11/2018		<0.0025	<0.0025		
7/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				<0.0025	<0.0025
9/10/2019	0.00035 (J)	<0.0025	0.00015 (J)		
9/11/2019				<0.0025	<0.0025
3/31/2020	<0.0025				
4/1/2020		<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	<0.0025		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		<0.0025	<0.0025	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	<0.0025		
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	
1/19/2013			<0.0025	<0.0025	
1/20/2013	<0.0025	<0.0025			
7/18/2013				<0.0025	
7/19/2013	<0.0025	<0.0025	<0.0025		
1/15/2014	<0.0025		<0.0025	<0.0025	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	<0.0025		<0.0025	<0.0025	
1/15/2015				<0.0025	
1/16/2015	<0.0025	<0.0025	<0.0025		
6/19/2015				<0.0025	
6/20/2015	<0.0025	<0.0025	<0.0025		
12/7/2015					<0.0025
12/15/2015					<0.0025
12/28/2015					<0.0025
1/13/2016					<0.0025
1/14/2016			<0.0025		
1/16/2016	<0.0025	<0.0025		<0.0025	
1/25/2016					<0.0025
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.0025
6/15/2016	<0.0025		<0.0025	<0.0025	<0.0025
6/16/2016		<0.0025			
8/9/2016					<0.0025
8/10/2016	<0.0025	<0.0025	<0.0025	<0.0025	
9/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
11/15/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/11/2017					<0.0025

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.0025	<0.0025	<0.0025	<0.0025	
1/23/2017	<0.0025				
2/28/2017					<0.0025
3/1/2017	<0.0025	<0.0025	<0.0025	<0.0025	
4/20/2017	<0.0025			<0.0025	<0.0025
4/24/2017		<0.0025	<0.0025		
7/19/2017	<0.0025				<0.0025
7/20/2017				<0.0025	
7/24/2017		<0.0025	<0.0025		
1/11/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/11/2018					<0.0025
7/12/2018	<0.0025	<0.0025	<0.0025	<0.0025	
1/29/2019					<0.0025
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/1/2020	<0.0025	<0.0025		<0.0025	<0.0025
4/2/2020			<0.0025		
9/15/2020	<0.0025	<0.0025	<0.0025		<0.0025
9/16/2020				<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.00049 (J)	<0.0025	<0.0025		
12/9/2015				<0.0025	<0.0025
12/14/2015	0.00053 (J)	<0.0025		0.00031 (J)	<0.0025
12/15/2015			<0.0025		
12/28/2015	0.00061 (J)	<0.0025	<0.0025		
12/29/2015				0.00075 (J)	<0.0025
1/13/2016	0.00063 (J)				
1/14/2016		<0.0025	<0.0025	0.00039 (J)	<0.0025
1/25/2016				0.00078 (J)	<0.0025
1/26/2016	0.00072 (J)	<0.0025	<0.0025		
4/19/2016		<0.0025	0.00017 (J)		
4/20/2016	0.000633 (J)				
4/21/2016				0.00052 (J)	<0.0025
6/15/2016	0.00055 (J)				
6/16/2016		8.5E-05 (J)	0.00018 (J)	0.00044 (J)	0.00012 (J)
8/9/2016	0.00046 (J)				
8/10/2016			<0.0025	<0.0025	<0.0025
8/11/2016		<0.0025			
9/27/2016	0.00071 (J)			<0.0025	0.00062 (J)
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00056 (J)		<0.0025	<0.0025	<0.0025
11/16/2016		<0.0025			
1/11/2017	0.0007 (J)	<0.0025			
1/12/2017					<0.0025
1/13/2017				0.00036 (J)	
1/16/2017			<0.0025		
3/1/2017	0.00063 (J)	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2017	0.00055 (J)				
4/24/2017					<0.0025
4/25/2017		<0.0025	<0.0025	<0.0025	
7/19/2017	0.00072 (J)				
7/25/2017		<0.0025	<0.0025	<0.0025	<0.0025
1/11/2018	0.00062 (J)				<0.0025
1/12/2018		<0.0025	<0.0025	<0.0025	
7/11/2018	0.0004 (J)	<0.0025	<0.0025	<0.0025	<0.0025
1/29/2019	0.00062 (J)		0.0002 (J)	0.00016 (J)	
1/30/2019		<0.0025			0.00014 (J)
3/27/2019	0.00041	<0.0025	<0.0025	<0.0025	<0.0025
9/11/2019	0.00064 (J)	<0.0025	0.00031 (J)	0.00029 (J)	0.00029 (J)
4/1/2020	0.00048 (J)	<0.0025	<0.0025	<0.0025	<0.0025
9/15/2020	0.00046 (J)	<0.0025		<0.0025	<0.0025
9/16/2020			<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025	<0.0025
7/11/2005		<0.0025	<0.0025	<0.0025
12/7/2005		<0.0025	<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025	<0.0025
12/29/2009			<0.0025	<0.0025
12/30/2009		<0.0025		
6/22/2010		<0.0025	<0.0025	<0.0025
1/4/2011		<0.0025	<0.0025	
1/5/2011				<0.0025
7/9/2011			<0.0025	<0.0025
7/10/2011		<0.0025		
1/21/2012		<0.0025	<0.0025	<0.0025
7/11/2012		<0.0025	<0.0025	<0.0025
1/19/2013			<0.0025	<0.0025
1/20/2013		<0.0025		
7/18/2013			<0.0025	<0.0025
7/19/2013		<0.0025		
1/15/2014			<0.0025	<0.0025
1/16/2014		<0.0025		
7/10/2014		<0.0025	<0.0025	<0.0025
1/15/2015			<0.0025	
1/16/2015		<0.0025		<0.0025
6/19/2015			<0.0025	
6/20/2015		<0.0025		<0.0025
1/14/2016		<0.0025	<0.0025	<0.0025
4/19/2016				<0.0025
4/20/2016		0.000111 (J)	<0.0025	
6/14/2016		0.00013 (J)	<0.0025	
6/15/2016				<0.0025
6/16/2016	<0.0025			
8/9/2016			<0.0025	
8/10/2016	<0.0025			<0.0025
8/11/2016		<0.0025		
9/27/2016		<0.0025	<0.0025	<0.0025
9/28/2016	<0.0025			
11/14/2016		<0.0025		
11/15/2016			<0.0025	<0.0025
11/16/2016	<0.0025			
1/10/2017		<0.0025		
1/11/2017			<0.0025	
1/13/2017				<0.0025
1/17/2017	<0.0025			
1/19/2017			<0.0025	

Time Series

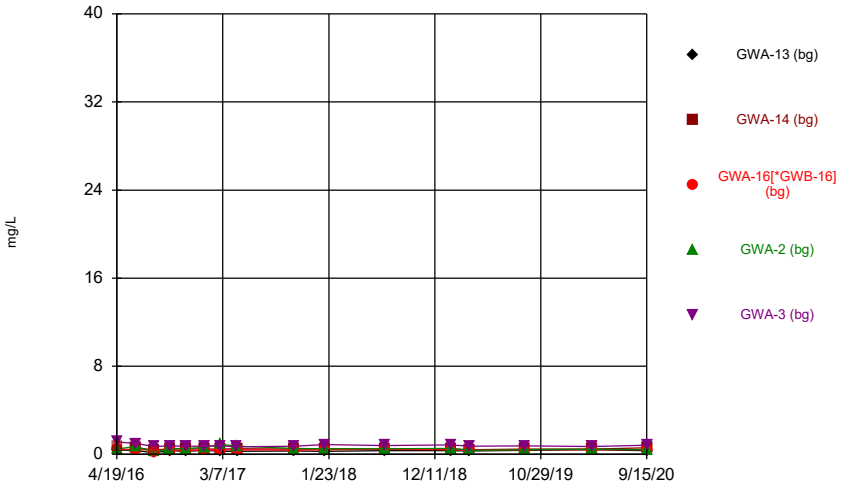
Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.0025	
2/28/2017		<0.0025	<0.0025	
3/1/2017				<0.0025
3/2/2017	<0.0025			
4/20/2017		<0.0025	<0.0025	
4/24/2017				<0.0025
4/25/2017	<0.0025			
7/13/2017	<0.0025			
7/18/2017		<0.0025	<0.0025	
7/24/2017				<0.0025
7/25/2017	<0.0025			
1/10/2018		<0.0025	<0.0025	
1/12/2018	<0.0025			<0.0025
7/11/2018		<0.0025	<0.0025	
7/12/2018	<0.0025			<0.0025
1/29/2019		<0.0025	<0.0025	
1/30/2019	0.00015 (J)			<0.0025
3/26/2019		<0.0025	<0.0025	
3/27/2019	<0.0025			<0.0025
9/10/2019		0.00019 (J)	<0.0025	
9/11/2019	0.00018 (J)			<0.0025
3/31/2020		<0.0025	<0.0025	
4/1/2020	<0.0025			<0.0025
9/15/2020	<0.0025		<0.0025	
9/16/2020		<0.0025		<0.0025

Sanitas™ v.9.6.27 . UG

Time Series

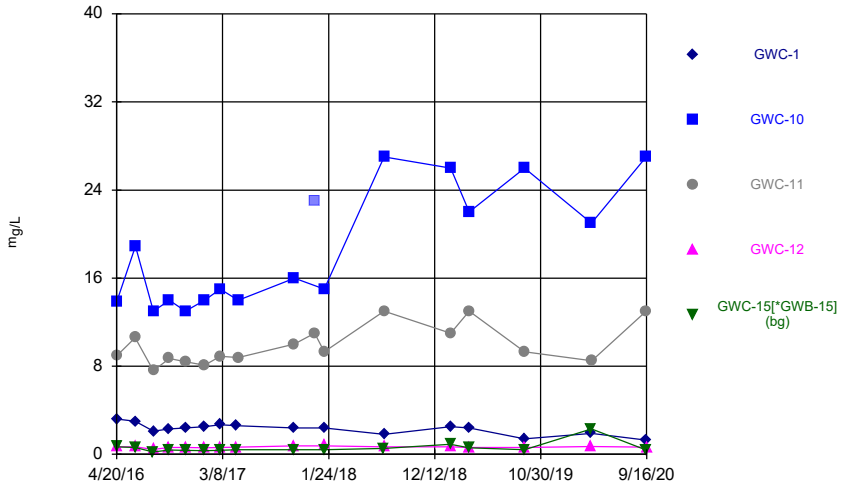


Constituent: Calcium Analysis Run 11/18/2020 9:29 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series

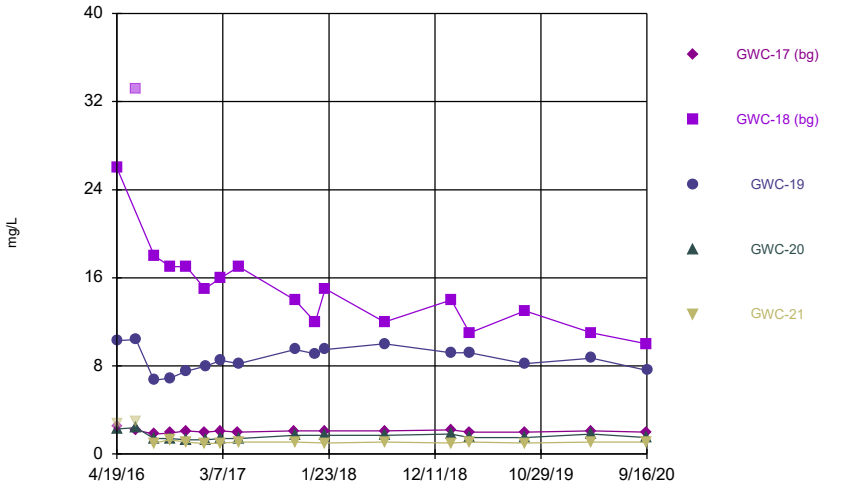


Constituent: Calcium Analysis Run 11/18/2020 9:29 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series

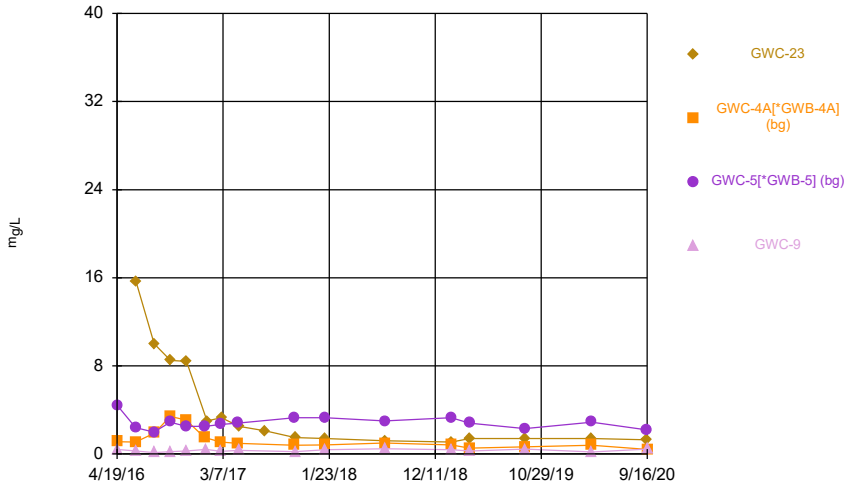


Constituent: Calcium Analysis Run 11/18/2020 9:29 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series



Constituent: Calcium Analysis Run 11/18/2020 9:29 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				0.485 (J)	1.13
4/20/2016	0.389 (J)	0.686 (o)	0.472 (J)		
6/14/2016	0.37 (J)	0.62		0.72	1
6/15/2016			0.42 (J)		
8/9/2016	0.14 (J)	0.39	0.19 (o)	0.24 (J)	0.71
9/26/2016				0.48	
9/27/2016	0.33	0.52	0.39		0.77
11/14/2016					0.75
11/15/2016	0.28	0.5	0.39	0.54	
1/10/2017				0.62	0.73
1/11/2017		0.47	0.36		
1/12/2017	0.37				
2/28/2017	0.26	0.47		0.91	0.76
3/1/2017			0.38		
4/19/2017				0.75	0.69
4/20/2017	0.27	0.5	0.41		
10/10/2017				0.54	
10/11/2017	0.3	0.49	0.4		0.73
1/10/2018	0.27			0.52	0.88
1/11/2018		0.51	0.43		
7/11/2018	0.32	0.47	0.45	0.5	0.81
1/29/2019	0.33	0.51	0.41	0.53	0.85
3/26/2019	0.3	0.42	0.37		
3/27/2019				0.37	0.73
9/10/2019	0.37 (J)	0.47 (J)	0.41 (J)		
9/11/2019				0.43 (J)	0.76
3/31/2020	0.42 (J)				
4/1/2020		0.49 (J)	0.43 (J)	0.47 (J)	0.72
9/15/2020	0.32 (J)	0.6	0.42 (J)	0.42 (J)	0.84

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	3.22		8.94	0.69	
4/21/2016		13.9			0.686
6/15/2016	3		10.6	0.69	0.61
6/16/2016		18.9			
8/9/2016					0.21 (J)
8/10/2016	2.1	13	7.6	0.45	
9/27/2016	2.3	14	8.7	0.61	0.4
11/15/2016	2.4	13	8.4	0.61	0.35
1/11/2017					0.34
1/12/2017	2.5	14	8.1	0.6	
2/28/2017					0.37
3/1/2017	2.7	15	8.9	0.61	
4/20/2017	2.6			0.65	0.43
4/24/2017		14	8.8		
10/11/2017	2.4		10		0.41
10/12/2017		16		0.76	
12/12/2017		23 (O)			
12/13/2017			11		
1/11/2018	2.4	15	9.3	0.78	0.41
7/11/2018					0.53
7/12/2018	1.8	27	13	0.67	
1/29/2019					0.91
1/30/2019	2.5	26	11	0.68 (J)	
3/26/2019					0.58
3/27/2019	2.4	22	13	0.62	
9/11/2019	1.4	26	9.3	0.62	0.42 (J)
4/1/2020	1.9	21		0.7	2.3
4/2/2020			8.5		
9/15/2020	1.3	27	13		0.38 (J)
9/16/2020				0.64	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		26	10.3		
4/20/2016	2.48 (o)				
4/21/2016				2.29	2.78 (o)
6/15/2016	2.2				
6/16/2016		33.2 (o)	10.4	2.4	2.9 (o)
8/9/2016	1.8				
8/10/2016			6.7	1.4	0.99
8/11/2016		18			
9/27/2016	1.9			1.4	1.3
9/28/2016		17	6.9		
11/15/2016	2.1		7.5	1.3	1.1
11/16/2016		17			
1/11/2017	2	15			
1/12/2017					0.93
1/13/2017				1.3	
1/16/2017			8		
3/1/2017	2.1	16	8.5	1.4	1
4/20/2017	2				
4/24/2017					1.1
4/25/2017		17	8.2	1.4	
10/11/2017	2.1				
10/12/2017		14	9.5	1.7	1.1
12/12/2017			9.1		
12/13/2017		12			
1/11/2018	2.1				1
1/12/2018		15	9.5	1.7	
7/11/2018	2.1	12	10	1.7	1.1
1/29/2019	2.2		9.2	1.8	
1/30/2019		14			1 (J)
3/27/2019	2	11	9.2	1.5	1.1
9/11/2019	2	13	8.2	1.5	1
4/1/2020	2.1	11	8.7	1.8	1.1
9/15/2020	2	10		1.5	1.1
9/16/2020			7.6		

Time Series

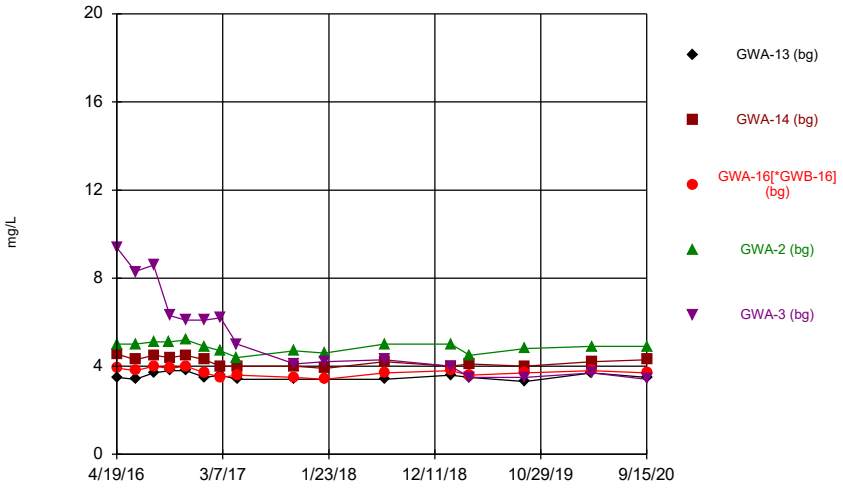
Constituent: Calcium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				0.431 (J)
4/20/2016		1.12	4.39	
6/14/2016		1.1	2.4	
6/15/2016				0.27 (J)
6/16/2016	15.6			
8/9/2016			2	
8/10/2016	10			0.13 (J)
8/11/2016		1.9		
9/27/2016		3.4	2.9	0.21 (J)
9/28/2016	8.5			
11/14/2016		3.1		
11/15/2016			2.5	0.27
11/16/2016	8.4			
1/10/2017		1.5		
1/11/2017			2.5	
1/13/2017				0.41
1/17/2017	3			
2/28/2017		1.1	2.7	
3/1/2017				0.25
3/2/2017	3.3			
4/20/2017		0.98	2.8	
4/24/2017				0.34
4/25/2017	2.5			
7/13/2017	2.1			
10/10/2017		0.8		
10/11/2017			3.3	
10/12/2017	1.5			0.21 (J)
1/10/2018		0.82	3.3	
1/12/2018	1.4			0.4
7/11/2018		1	3	
7/12/2018	1.2			0.49
1/29/2019		0.83	3.3	
1/30/2019	1.1 (J)			0.38 (J)
3/26/2019		0.53	2.8	
3/27/2019	1.4			0.28
9/10/2019		0.64	2.3	
9/11/2019	1.4			0.44 (J)
3/31/2020		0.8	2.9	
4/1/2020	1.4			0.2 (J)
9/15/2020	1.3		2.2	
9/16/2020		0.43 (J)		0.45 (J)

Sanitas™ v.9.6.27 . UG

Time Series

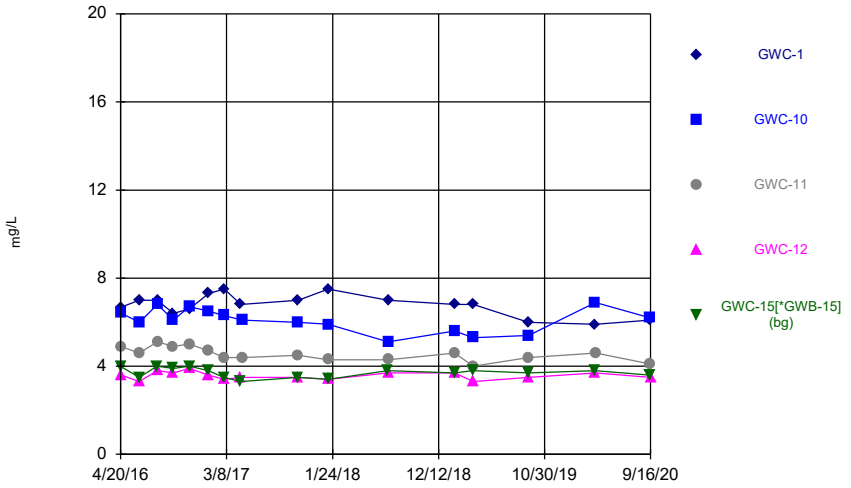


Constituent: Chloride Analysis Run 11/18/2020 9:29 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series

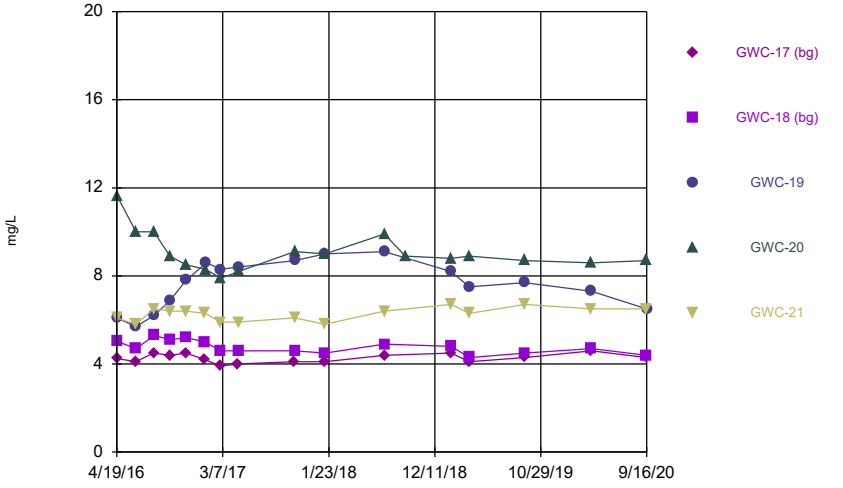


Constituent: Chloride Analysis Run 11/18/2020 9:29 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series

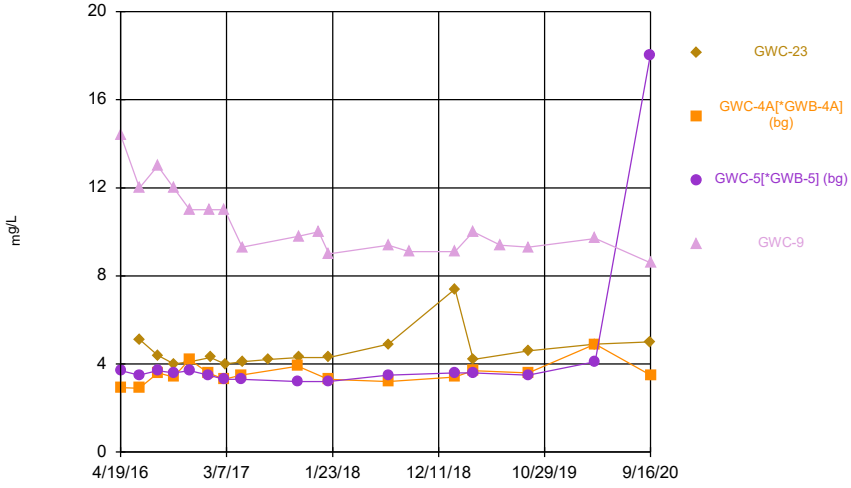


Constituent: Chloride Analysis Run 11/18/2020 9:29 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series



Constituent: Chloride Analysis Run 11/18/2020 9:29 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				5.01	9.4
4/20/2016	3.49	4.55	3.92		
6/14/2016	3.4	4.3		5	8.3
6/15/2016			3.8		
8/9/2016	3.7	4.5	4	5.1	8.6
9/26/2016				5.1	
9/27/2016	3.8	4.4	3.9		6.3
11/14/2016					6.1
11/15/2016	3.8	4.5	4	5.2	
1/10/2017				4.9	6.1
1/11/2017		4.3	3.7		
1/12/2017	3.5				
2/28/2017	3.6	4		4.7	6.2
3/1/2017			3.5		
4/19/2017				4.4	5
4/20/2017	3.4	4	3.6		
10/10/2017				4.7	
10/11/2017	3.4	4	3.5		4.1
1/10/2018	3.4			4.6	4.2
1/11/2018		3.9	3.4		
7/11/2018	3.4	4.2	3.7	5	4.3
1/29/2019	3.6	4	3.8	5	4
3/26/2019	3.5	4.1	3.6		
3/27/2019				4.5	3.5
9/10/2019	3.3	4	3.7		
9/11/2019				4.8	3.5
3/31/2020	3.7				
4/1/2020		4.2	3.8	4.9	3.7
9/15/2020	3.5	4.3	3.7	4.9	3.4

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	6.68		4.9	3.61	
4/21/2016		6.41			3.99
6/15/2016	7		4.6	3.3	3.5
6/16/2016		6			
8/9/2016					4
8/10/2016	7	6.8	5.1	3.8	
9/27/2016	6.4	6.1	4.9	3.7	3.9
11/15/2016	6.6	6.7	5	3.9	4
1/11/2017					3.8
1/12/2017	7.3	6.5	4.7	3.6	
2/28/2017					3.5
3/1/2017	7.5	6.3	4.4	3.4	
4/20/2017	6.8			3.5	3.3
4/24/2017		6.1	4.4		
10/11/2017	7		4.5		3.5
10/12/2017		6		3.5	
1/11/2018	7.5	5.9	4.3	3.4	3.4
7/11/2018					3.8
7/12/2018	7	5.1	4.3	3.7	
1/29/2019					3.7
1/30/2019	6.8	5.6	4.6	3.7	
3/26/2019					3.8
3/27/2019	6.8	5.3	4	3.3	
9/11/2019	6	5.4	4.4	3.5	3.7
4/1/2020	5.9	6.9		3.7	3.8
4/2/2020			4.6		
9/15/2020	6.1	6.2	4.1		3.6
9/16/2020				3.5	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		5.03	6.1		
4/20/2016	4.25				
4/21/2016				11.6	6.08
6/15/2016	4.1				
6/16/2016		4.7	5.7	10	5.8
8/9/2016	4.5				
8/10/2016			6.2	10	6.5
8/11/2016		5.3			
9/27/2016	4.4			8.9	6.4
9/28/2016		5.1	6.9		
11/15/2016	4.5		7.8	8.5	6.4
11/16/2016		5.2			
1/11/2017	4.2	5			
1/12/2017					6.3
1/13/2017				8.3	
1/16/2017			8.6		
3/1/2017	3.9	4.6	8.3	7.9	5.9
4/20/2017	4				
4/24/2017					5.9
4/25/2017		4.6	8.4	8.2	
10/11/2017	4.1				
10/12/2017		4.6	8.7	9.1	6.1
1/11/2018	4.1				5.8
1/12/2018		4.5	9	9	
7/11/2018	4.4	4.9	9.1	9.9	6.4
9/13/2018				8.9	
1/29/2019	4.5		8.2	8.8	
1/30/2019		4.8			6.7
3/27/2019	4.1	4.3	7.5	8.9	6.3
9/11/2019	4.3	4.5	7.7	8.7	6.7
4/1/2020	4.6	4.7	7.3	8.6	6.5
9/15/2020	4.3	4.4		8.7	6.5
9/16/2020			6.5		

Time Series

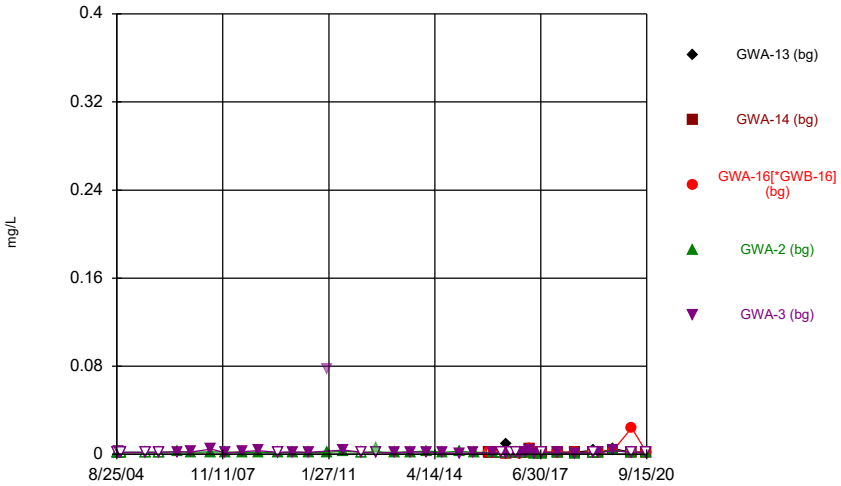
Constituent: Chloride (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				14.4
4/20/2016		2.93	3.69	
6/14/2016		2.9	3.5	
6/15/2016				12
6/16/2016	5.1			
8/9/2016			3.7	
8/10/2016	4.4			13
8/11/2016		3.6		
9/27/2016		3.4	3.6	12
9/28/2016	4			
11/14/2016		4.2		
11/15/2016			3.7	11
11/16/2016	4.1			
1/10/2017		3.6		
1/11/2017			3.5	
1/13/2017				11
1/17/2017	4.3			
2/28/2017		3.3	3.3	
3/1/2017				11
3/2/2017	4			
4/20/2017		3.5	3.3	
4/24/2017				9.3
4/25/2017	4.1			
7/13/2017	4.2			
10/10/2017		3.9		
10/11/2017			3.2	
10/12/2017	4.3			9.8
12/12/2017				10
1/10/2018		3.3	3.2	
1/12/2018	4.3			9
7/11/2018		3.2	3.5	
7/12/2018	4.9			9.4
9/13/2018				9.1
1/29/2019		3.4	3.6	
1/30/2019	7.4			9.1
3/26/2019		3.7	3.6	
3/27/2019	4.2			10
6/17/2019				9.4
9/10/2019		3.6	3.5	
9/11/2019	4.6			9.3
3/31/2020		4.9	4.1	
4/1/2020	4.9			9.7
9/15/2020	5		18	
9/16/2020		3.5		8.6

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

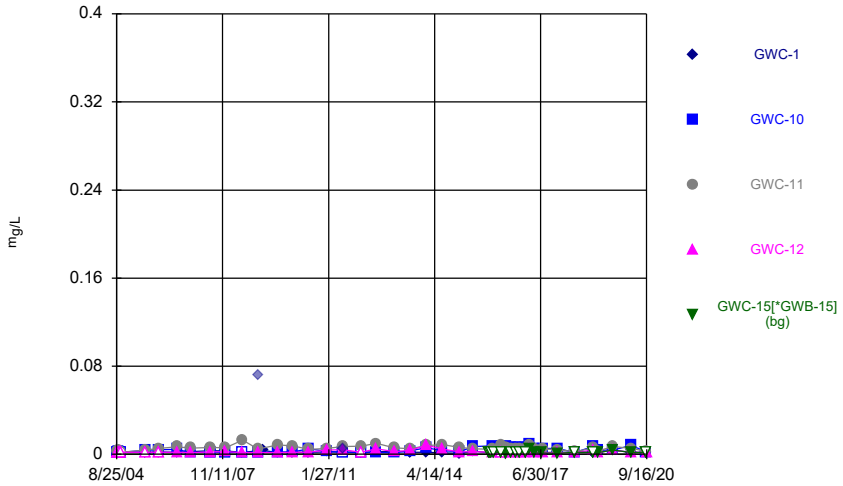
Time Series



Constituent: Chromium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

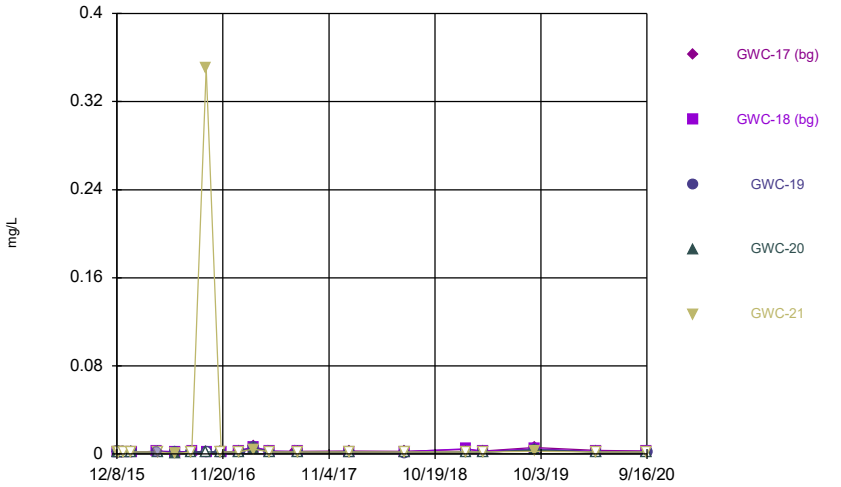
Time Series



Constituent: Chromium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

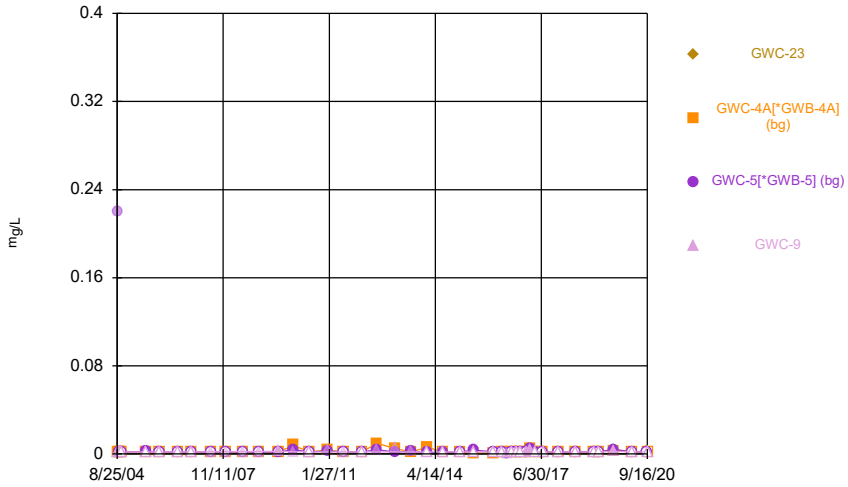
Time Series



Constituent: Chromium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Chromium Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				<0.002	0.0024
9/26/2004				<0.002	<0.002
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				0.0024	0.0021
11/28/2006				0.0019	0.0023
7/6/2007				0.0021	0.0049
12/13/2007				0.0021	0.0013
6/20/2008				0.0017	0.0025
12/7/2008				0.0018	0.0034
7/9/2009				0.0015	<0.002
12/28/2009				0.002	0.0021
6/22/2010				0.0017	0.0018
1/4/2011				0.002	
1/5/2011					0.077 (O)
7/9/2011				0.0027	0.004
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				0.0061 (O)	<0.002
1/19/2013					0.0013
1/20/2013				0.002	
7/18/2013					0.0022
7/19/2013				0.0021	
1/15/2014				0.0029	0.0019
7/11/2014				0.002	0.0014
1/15/2015					0.0011 (J)
1/16/2015				0.0026	
6/19/2015					0.0012 (J)
6/20/2015				0.002	
12/7/2015	<0.002	<0.002	<0.002		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/16/2016				0.0015	0.0014
1/25/2016	<0.002	<0.002	<0.002		
4/19/2016				<0.002	<0.002
4/20/2016	<0.002	<0.002	<0.002		
6/14/2016	0.0094 (J)	0.00086 (J)		0.0017 (J)	0.00085 (J)
6/15/2016			0.00072 (J)		
8/9/2016	<0.002	<0.002	<0.002	0.0014 (J)	<0.002
9/26/2016				0.0016 (J)	
9/27/2016	<0.002	<0.002	<0.002		<0.002
11/14/2016					0.0011 (J)
11/15/2016	<0.002	<0.002	0.0011 (J)	0.0015 (J)	
1/10/2017				0.0015 (J)	0.0012 (J)
1/11/2017		<0.002	0.0012 (J)		
1/12/2017	<0.002				
2/28/2017	0.0049	0.0047		0.0044	0.004
3/1/2017			0.0052		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2017				0.0011 (J)	0.0011 (J)
4/20/2017	0.0011 (J)	<0.002	0.0013 (J)		
7/17/2017				0.0011 (J)	
7/18/2017	<0.002				<0.002
7/19/2017		<0.002	0.0015 (J)		
1/10/2018	<0.002			0.0014 (J)	0.0012 (J)
1/11/2018		<0.002	0.0013 (J)		
7/11/2018	<0.002	<0.002	0.0012 (J)	0.0011 (J)	0.0011 (J)
1/29/2019	0.0037 (J)	<0.002	<0.002	<0.002	<0.002
3/26/2019	0.0014	<0.002	0.0015		
3/27/2019				0.0016	0.0014
9/10/2019	0.0052	0.004	0.004		
9/11/2019				0.004	0.0034
3/31/2020	0.0019 (J)				
4/1/2020		<0.002	0.024	0.0017 (J)	<0.002
9/15/2020	<0.002	<0.002	0.0015 (J)	0.0015 (J)	<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	0.0033	<0.002	
9/11/2004	<0.002	0.0027	0.0038	<0.002	
9/26/2004	<0.002	<0.002	0.0031	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	0.0036	0.0039	<0.002	
12/7/2005	0.0021	0.0042	0.0053	<0.002	
6/22/2006	0.002	0.0045	0.0069	0.002	
11/28/2006	0.0024	0.0017	0.0056	0.0015	
7/6/2007	0.0034	<0.002	0.0063	0.0021	
12/13/2007	0.0029	<0.002	0.0058	0.0025	
6/20/2008	0.002	<0.002	0.013	0.0017	
12/7/2008	0.072 (O)	<0.002	0.0048	0.0016	
2/6/2009	0.0035				
7/9/2009	0.0017				
7/10/2009		0.0021	0.0086	0.0017	
12/28/2009	<0.002			0.0018	
12/29/2009		0.0023	0.0077		
6/22/2010	<0.002	0.0051	0.0046	0.0018	
1/4/2011	0.0023	0.0026		0.0039	
1/5/2011			0.0053		
7/9/2011	0.005 (o)		0.007	0.0041	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	0.0073		
7/11/2012	0.0023	0.0018	0.01	0.0052	
1/19/2013			0.0058	0.0025	
1/20/2013	0.003	0.0014			
7/18/2013				0.0035	
7/19/2013	<0.002	0.0032	0.005		
1/15/2014	0.002		0.0081	0.0082	
1/16/2014		0.0058			
7/10/2014		0.0034			
7/11/2014	0.0012 (J)		0.0087	0.0048	
1/15/2015				0.0022	
1/16/2015	0.0011 (J)	0.0024	0.0061		
6/19/2015				0.0024	
6/20/2015	0.0028	0.0072	0.005		
12/7/2015					<0.002
12/15/2015					<0.002
12/28/2015					<0.002
1/14/2016			0.0045		
1/16/2016	0.0013	0.0076		0.002	
1/25/2016					<0.002
4/20/2016	<0.002		0.00856 (J)	<0.002	
4/21/2016		0.00617 (J)			<0.002
6/15/2016	0.0011 (J)		0.0061 (J)	0.0016 (J)	0.0008 (J)
6/16/2016		0.007 (J)			
8/9/2016					<0.002
8/10/2016	0.0015 (J)	0.0056	0.0052	0.0016 (J)	
9/27/2016	0.0018 (J)	0.0057	0.0051	0.0019 (J)	<0.002
11/15/2016	0.0019 (J)	0.0062	0.005	0.0017 (J)	<0.002
1/11/2017					<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.0012 (J)	0.0061	0.0051	0.0017 (J)	
1/23/2017	<0.002				
2/28/2017					0.0051
3/1/2017	0.0049	0.01	0.0088	0.0055	
4/20/2017	<0.002			0.0016 (J)	0.0012 (J)
4/24/2017		0.0053	0.0049		
7/19/2017	0.0017 (J)				0.0013 (J)
7/20/2017				0.0017 (J)	
7/24/2017		0.0055	0.0049		
1/11/2018	<0.002	0.0055	0.0044	0.0016 (J)	0.0011 (J)
7/11/2018					<0.002
7/12/2018	<0.002	0.0017 (J)	0.0023 (J)	0.0015 (J)	
1/29/2019					<0.002
1/30/2019	<0.002	0.0071 (J)	0.006 (J)	0.0039 (J)	
3/26/2019					0.0016
3/27/2019	<0.002	0.0035	0.0031	0.0019	
9/11/2019	0.0035	0.004	0.0071	0.0036	0.0038
4/1/2020	<0.002	0.0084		0.0019 (J)	0.0015 (J)
4/2/2020			0.0055		
9/15/2020	<0.002	0.0018 (J)	0.0028		<0.002
9/16/2020				0.0016 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.002	0.0012 (J)	0.0026		
12/9/2015				<0.002	<0.002
12/14/2015	<0.002	0.0018		<0.002	<0.002
12/15/2015			0.0017		
12/28/2015	<0.002	0.0017	0.0016		
12/29/2015				<0.002	<0.002
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	0.0013	0.0016		
4/19/2016		0.00277 (J)	0.002 (o)		
4/20/2016	<0.002				
4/21/2016				<0.002	<0.002
6/15/2016	0.0018 (J)				
6/16/2016		0.0021 (J)	0.0016 (J)	0.0008 (J)	0.00031 (J)
8/9/2016	0.002 (J)				
8/10/2016			0.0016 (J)	<0.002	<0.002
8/11/2016		0.0023 (J)			
9/27/2016	0.0021 (J)			<0.002	0.35
9/28/2016		0.0022 (J)	<0.002		
11/15/2016	0.002 (J)		<0.002	<0.002	<0.002
11/16/2016		0.0019 (J)			
1/11/2017	0.0025	0.0025			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			0.0013 (J)		
3/1/2017	0.0067	0.0065	0.0056	0.005	0.0044
4/20/2017	0.0024 (J)				
4/24/2017					<0.002
4/25/2017		0.0026	0.0019 (J)	<0.002	
7/19/2017	0.0025				
7/25/2017		0.0023 (J)	0.0013 (J)	<0.002	<0.002
1/11/2018	0.0026				<0.002
1/12/2018		0.002 (J)	0.0017 (J)	<0.002	
7/11/2018	0.0025	0.0022 (J)	0.0011 (J)	<0.002	<0.002
1/29/2019	0.0041 (J)		<0.002	<0.002	
1/30/2019		0.0049 (J)			<0.002
3/27/2019	0.0028	0.0025	0.0014	<0.002	<0.002
9/11/2019	0.0059	0.0049	0.0043	0.0034	0.0025
4/1/2020	0.0032	0.0025	0.0018 (J)	<0.002	<0.002
9/15/2020	0.0027	0.0025		<0.002	<0.002
9/16/2020			0.0015 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0022	0.22 (O)	<0.002
9/11/2004		<0.002	<0.002	<0.002
9/26/2004		<0.002	<0.002	<0.002
10/13/2004		<0.002	<0.002	<0.002
7/11/2005		<0.002	0.0023	<0.002
12/7/2005		<0.002	<0.002	<0.002
6/22/2006		<0.002	<0.002	<0.002
11/28/2006		<0.002	<0.002	<0.002
7/6/2007		<0.002	<0.002	0.0017 (o)
12/13/2007		<0.002	<0.002	0.0021 (o)
6/20/2008		<0.002	<0.002	0.0021 (o)
12/7/2008		<0.002	<0.002	0.0018 (o)
7/9/2009		<0.002	<0.002	0.0024
12/29/2009			0.004	0.0021 (o)
12/30/2009		0.0078		
6/22/2010		<0.002	<0.002	<0.002
1/4/2011		0.0037	0.0027	
1/5/2011				0.0034 (o)
7/9/2011			<0.002	0.0018 (o)
7/10/2011		<0.002		
1/21/2012		<0.002	<0.002	<0.002
7/11/2012		0.0096	0.0038	0.0038 (o)
1/19/2013			0.002	0.0065 (o)
1/20/2013		0.0052		
7/18/2013			0.0023	0.0029 (o)
7/19/2013		0.002		
1/15/2014			0.0012 (J)	<0.002
1/16/2014		0.0061		
7/10/2014		<0.002	0.0012 (J)	<0.002
1/15/2015			<0.002	
1/16/2015		0.002		<0.002
6/19/2015			0.0037	
6/20/2015		0.0011 (J)		<0.002
1/14/2016		0.0011 (J)	<0.002	<0.002
4/19/2016				<0.002
4/20/2016		<0.002	<0.002	
6/14/2016		0.0013 (J)	0.0011 (J)	
6/15/2016				0.00021 (o)
6/16/2016	0.00023 (J)			
8/9/2016			<0.002	
8/10/2016	<0.002			<0.002
8/11/2016		<0.002		
9/27/2016		<0.002	<0.002	<0.002
9/28/2016	<0.002			
11/14/2016		<0.002		
11/15/2016			<0.002	<0.002
11/16/2016	<0.002			
1/10/2017		<0.002		
1/11/2017			<0.002	
1/13/2017				0.0012 (J)
1/17/2017	<0.002			
1/19/2017			0.002 (J)	

Time Series

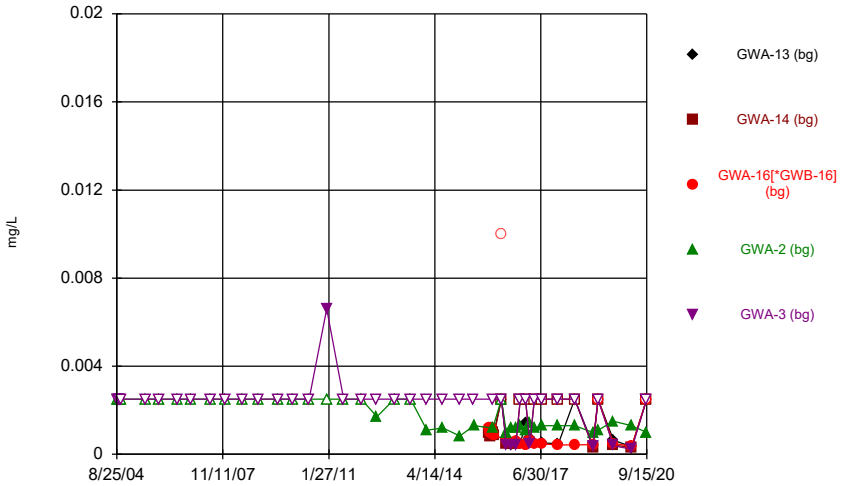
Constituent: Chromium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.002	
2/28/2017		0.0048	0.0054	
3/1/2017				0.0043
3/2/2017	0.0017 (J)			
4/20/2017		<0.002	0.0013 (J)	
4/24/2017				<0.002
4/25/2017	<0.002			
7/13/2017	<0.002			
7/18/2017		<0.002	<0.002	
7/24/2017				<0.002
7/25/2017	<0.002			
1/10/2018		<0.002	<0.002	
1/12/2018	<0.002			<0.002
7/11/2018		<0.002	<0.002	
7/12/2018	<0.002			<0.002
1/29/2019		<0.002	<0.002	
1/30/2019	<0.002			<0.002
3/26/2019		<0.002	<0.002	
3/27/2019	<0.002			<0.002
9/10/2019		0.0031	0.0041	
9/11/2019	0.004			0.0025
3/31/2020		<0.002	<0.002	
4/1/2020	0.0022			<0.002
9/15/2020	0.0023		<0.002	
9/16/2020		<0.002		<0.002

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

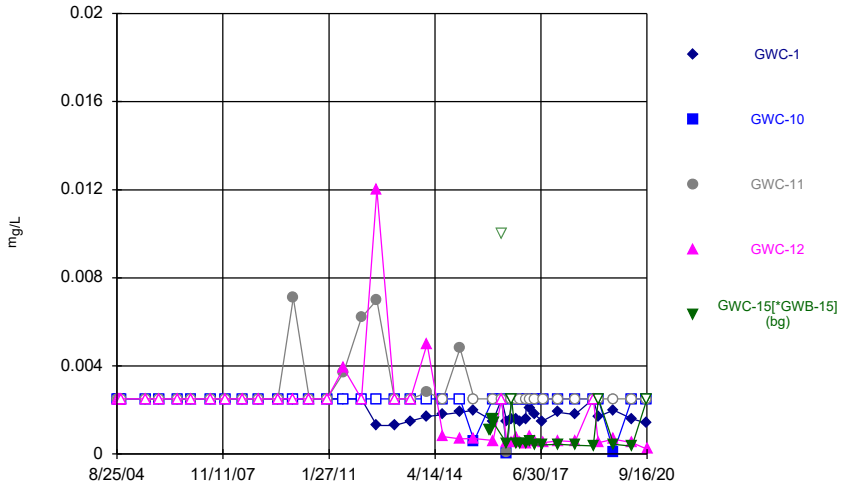
Time Series



Constituent: Cobalt Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

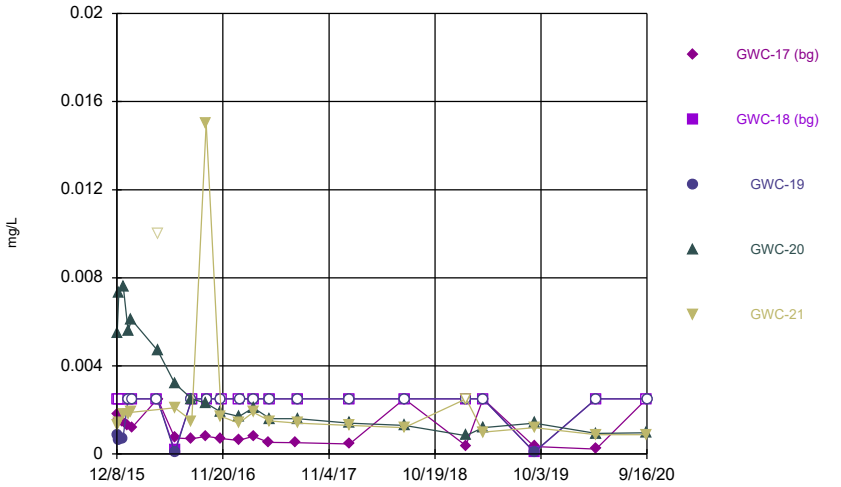
Time Series



Constituent: Cobalt Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

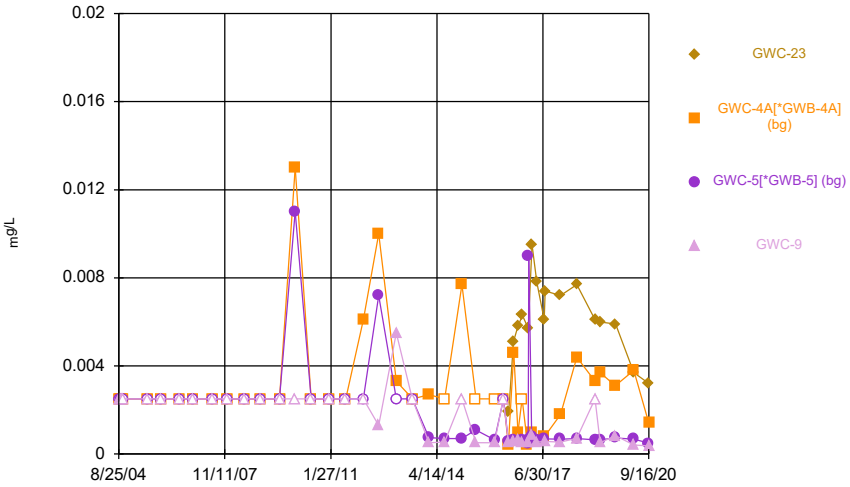
Time Series



Constituent: Cobalt Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Cobalt Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.0025	<0.0025
9/11/2004				<0.0025	<0.0025
9/26/2004				<0.0025	<0.0025
10/13/2004				<0.0025	<0.0025
7/11/2005				<0.0025	<0.0025
12/7/2005				<0.0025	<0.0025
6/22/2006				<0.0025	<0.0025
11/28/2006				<0.0025	<0.0025
7/6/2007				<0.0025	<0.0025
12/13/2007				<0.0025	<0.0025
6/20/2008				<0.0025	<0.0025
12/7/2008				<0.0025	<0.0025
7/9/2009				<0.0025	<0.0025
12/28/2009				<0.0025	<0.0025
6/22/2010				<0.0025	<0.0025
1/4/2011				<0.0025	
1/5/2011					0.0066
7/9/2011				<0.0025	<0.0025
1/20/2012					<0.0025
1/21/2012				<0.0025	
7/11/2012				0.0017	<0.0025
1/19/2013					<0.0025
1/20/2013				<0.0025	
7/18/2013					<0.0025
7/19/2013				<0.0025	
1/15/2014				0.0011 (J)	<0.0025
7/11/2014				0.0012 (J)	<0.0025
1/15/2015					<0.0025
1/16/2015				0.00083 (J)	
6/19/2015					<0.0025
6/20/2015				0.0013	
12/7/2015	0.0012 (J)	0.001 (J)	0.0012 (J)		
12/14/2015			0.001 (J)		
12/15/2015	0.00099 (J)	0.00078 (J)			
12/28/2015			0.0012 (J)		
12/29/2015	0.0012 (J)	0.00094 (J)			
1/13/2016	0.0012 (J)	0.001 (J)	0.001 (J)		
1/16/2016				0.0012 (J)	<0.0025
1/25/2016	0.00095 (J)	0.00085 (J)	0.00089 (J)		
4/19/2016				<0.0025	<0.0025
4/20/2016	<0.0025	<0.0025	<0.01 (o)		
6/14/2016	0.00072 (J)	0.00048 (J)		0.001 (J)	0.00044 (J)
6/15/2016			0.00063 (J)		
8/9/2016	0.00041 (J)	0.00045 (J)	0.00055 (J)	0.0012 (J)	0.00042 (J)
9/26/2016				0.0012 (J)	
9/27/2016	0.00058 (J)	0.00046 (J)	0.00059 (J)		0.00042 (J)
11/14/2016					<0.0025
11/15/2016	0.00048 (J)	<0.0025	0.0005 (J)	0.0013 (J)	
1/10/2017				0.0011 (J)	<0.0025
1/11/2017		<0.0025	0.00044 (J)		
1/12/2017	0.0014 (J)				
2/28/2017	0.00075 (J)	0.00051 (J)		0.0014 (J)	0.00048 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			0.00066 (J)		
4/19/2017				0.0012 (J)	<0.0025
4/20/2017	0.0005 (J)	<0.0025	0.00045 (J)		
7/17/2017				0.0013 (J)	
7/18/2017	0.00051 (J)				<0.0025
7/19/2017		<0.0025	0.00047 (J)		
1/10/2018	0.00049 (J)			0.0013 (J)	<0.0025
1/11/2018		<0.0025	0.00043 (J)		
7/11/2018	<0.0025	<0.0025	0.00043 (J)	0.0013 (J)	<0.0025
1/29/2019	0.00043 (J)	0.00029 (J)	0.00044 (J)	0.001 (J)	0.00035 (J)
3/26/2019	<0.0025	<0.0025	<0.0025		
3/27/2019				0.0011	<0.0025
9/10/2019	0.00064	0.00042 (J)	0.0005		
9/11/2019				0.0015	0.00039 (J)
3/31/2020	0.00034 (J)				
4/1/2020		0.00033 (J)	0.00036 (J)	0.0013 (J)	0.00024 (J)
9/15/2020	<0.0025	<0.0025	<0.0025	0.00099 (J)	<0.0025

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/11/2004	<0.0025	<0.0025	<0.0025	<0.0025	
9/26/2004	<0.0025	<0.0025	<0.0025	<0.0025	
10/13/2004		<0.0025	<0.0025	<0.0025	
7/11/2005	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2005	<0.0025	<0.0025	<0.0025	<0.0025	
6/22/2006	<0.0025	<0.0025	<0.0025	<0.0025	
11/28/2006	<0.0025	<0.0025	<0.0025	<0.0025	
7/6/2007	<0.0025	<0.0025	<0.0025	<0.0025	
12/13/2007	<0.0025	<0.0025	<0.0025	<0.0025	
6/20/2008	<0.0025	<0.0025	<0.0025	<0.0025	
12/7/2008	<0.0025	<0.0025	<0.0025	<0.0025	
7/9/2009	<0.0025				
7/10/2009		<0.0025	<0.0025	<0.0025	
12/28/2009	<0.0025			<0.0025	
12/29/2009		<0.0025	0.0071		
6/22/2010	<0.0025	<0.0025	<0.0025	<0.0025	
1/4/2011	<0.0025	<0.0025		<0.0025	
1/5/2011			<0.0025		
7/9/2011	<0.0025		0.0037	0.0039	
7/10/2011		<0.0025			
1/20/2012				<0.0025	
1/21/2012	<0.0025	<0.0025	0.0062		
7/11/2012	0.0013	<0.0025	0.007	0.012	
1/19/2013			<0.0025	<0.0025	
1/20/2013	0.0013	<0.0025			
7/18/2013				<0.0025	
7/19/2013	0.0015	<0.0025	<0.0025		
1/15/2014	0.0017		0.0028	0.005	
1/16/2014		<0.0025			
7/10/2014		<0.0025			
7/11/2014	0.0018		<0.0025	0.00079 (J)	
1/15/2015				0.00069 (J)	
1/16/2015	0.0019	<0.0025	0.0048		
6/19/2015				0.0007 (J)	
6/20/2015	0.002	0.0006 (J)	<0.0025		
12/7/2015					0.0011 (J)
12/15/2015					0.0011 (J)
12/28/2015					0.0016
1/13/2016					0.0016
1/14/2016			<0.0025		
1/16/2016	0.0015	<0.0025		0.00061 (J)	
1/25/2016					0.0014
4/20/2016	<0.0025		<0.0025	<0.0025	
4/21/2016		<0.0025			<0.01 (o)
6/15/2016	0.0015 (J)		0.00011 (J)	0.00051 (J)	0.00047 (J)
6/16/2016		1E-05 (J)			
8/9/2016					<0.0025
8/10/2016	0.0016 (J)	<0.0025	<0.0025	0.00052 (J)	
9/27/2016	0.0016 (J)	<0.0025	<0.0025	0.00077 (J)	0.00045 (J)
11/15/2016	0.0015 (J)	<0.0025	<0.0025	0.00055 (J)	0.00048 (J)
1/11/2017					0.00046 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.0016 (J)	<0.0025	<0.0025	0.0005 (J)	
1/23/2017	<0.0025				
2/28/2017					0.00061 (J)
3/1/2017	0.0021 (J)	<0.0025	<0.0025	0.00079 (J)	
4/20/2017	0.0018 (J)			0.00056 (J)	0.00042 (J)
4/24/2017		<0.0025	<0.0025		
7/19/2017	0.0015 (J)				0.00041 (J)
7/20/2017				0.00051 (J)	
7/24/2017		<0.0025	<0.0025		
1/11/2018	0.0019 (J)	<0.0025	<0.0025	0.0006 (J)	0.00044 (J)
7/11/2018					0.0004 (J)
7/12/2018	0.0018 (J)	<0.0025	<0.0025	0.00056 (J)	
1/29/2019					0.00037 (J)
1/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	
3/26/2019					<0.0025
3/27/2019	0.0017	<0.0025	<0.0025	0.00051	
9/11/2019	0.002	0.0001 (J)	<0.0025	0.00067	0.00044 (J)
4/1/2020	0.0016 (J)	<0.0025		0.00051 (J)	0.00036 (J)
4/2/2020			<0.0025		
9/15/2020	0.0014 (J)	<0.0025	<0.0025		<0.0025
9/16/2020				0.00023 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0018	<0.0025	0.00084 (J)		
12/9/2015				0.0055	0.0013
12/14/2015	0.0016	<0.0025		0.0073	0.0014
12/15/2015			0.00063 (J)		
12/28/2015	0.0015	<0.0025	0.00071 (J)		
12/29/2015				0.0076	0.0018
1/13/2016	0.0013				
1/14/2016		<0.0025	<0.0025	0.0056	0.0018
1/25/2016				0.0061	0.0019
1/26/2016	0.0012 (J)	<0.0025	<0.0025		
4/19/2016		<0.0025	<0.0025		
4/20/2016	<0.0025				
4/21/2016				0.00468 (J)	<0.01 (o)
6/15/2016	0.00073 (J)				
6/16/2016		0.00017 (J)	6.7E-05 (J)	0.0032 (J)	0.0021 (J)
8/9/2016	0.00069 (J)				
8/10/2016			<0.0025	0.0025	0.0015 (J)
8/11/2016		<0.0025			
9/27/2016	0.00081 (J)			0.0023 (J)	0.015
9/28/2016		<0.0025	<0.0025		
11/15/2016	0.00071 (J)		<0.0025	0.0019 (J)	0.0017 (J)
11/16/2016		<0.0025			
1/11/2017	0.00062 (J)	<0.0025			
1/12/2017					0.0014 (J)
1/13/2017				0.0017 (J)	
1/16/2017			<0.0025		
3/1/2017	0.00081 (J)	<0.0025	<0.0025	0.0021 (J)	0.0019 (J)
4/20/2017	0.00053 (J)				
4/24/2017					0.0015 (J)
4/25/2017		<0.0025	<0.0025	0.0016 (J)	
7/19/2017	0.00051 (J)				
7/25/2017		<0.0025	<0.0025	0.0016 (J)	0.0014 (J)
1/11/2018	0.00046 (J)				0.0013 (J)
1/12/2018		<0.0025	<0.0025	0.0014 (J)	
7/11/2018	<0.0025	<0.0025	<0.0025	0.0013 (J)	0.0012 (J)
1/29/2019	0.00038 (J)		<0.0025	0.00084 (J)	
1/30/2019		<0.0025			<0.0025
3/27/2019	<0.0025	<0.0025	<0.0025	0.0012	0.001
9/11/2019	0.00034 (J)	8.2E-05 (J)	9.9E-05 (J)	0.0014	0.0012
4/1/2020	0.00023 (J)	<0.0025	<0.0025	0.00094 (J)	0.00088 (J)
9/15/2020	<0.0025	<0.0025		0.00097 (J)	0.00088 (J)
9/16/2020			<0.0025		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.0025	<0.0025	<0.0025
9/11/2004		<0.0025	<0.0025	<0.0025
9/26/2004		<0.0025	<0.0025	<0.0025
10/13/2004		<0.0025	<0.0025	<0.0025
7/11/2005		<0.0025	<0.0025	<0.0025
12/7/2005		<0.0025	<0.0025	<0.0025
6/22/2006		<0.0025	<0.0025	<0.0025
11/28/2006		<0.0025	<0.0025	<0.0025
7/6/2007		<0.0025	<0.0025	<0.0025
12/13/2007		<0.0025	<0.0025	<0.0025
6/20/2008		<0.0025	<0.0025	<0.0025
12/7/2008		<0.0025	<0.0025	<0.0025
7/9/2009		<0.0025	<0.0025	<0.0025
12/29/2009			0.011	<0.0025
12/30/2009		0.013		
6/22/2010		<0.0025	<0.0025	<0.0025
1/4/2011		<0.0025	<0.0025	
1/5/2011				<0.0025
7/9/2011			<0.0025	<0.0025
7/10/2011		<0.0025		
1/21/2012		0.0061	<0.0025	<0.0025
7/11/2012		0.01	0.0072	0.0013
1/19/2013			<0.0025	0.0055
1/20/2013		0.0033		
7/18/2013			<0.0025	<0.0025
7/19/2013		<0.0025		
1/15/2014			0.00075 (J)	0.00052 (J)
1/16/2014		0.0027		
7/10/2014		<0.0025	0.0007 (J)	0.00055 (J)
1/15/2015			0.0007 (J)	
1/16/2015		0.0077		<0.0025
6/19/2015			0.0011 (J)	
6/20/2015		<0.0025		0.00052 (J)
1/14/2016		<0.0025	0.00064 (J)	0.00051 (J)
4/19/2016				<0.0025
4/20/2016		<0.0025	<0.0025	
6/14/2016		0.0004 (J)	0.0006 (J)	
6/15/2016				0.00052 (J)
6/16/2016	0.0019 (J)			
8/9/2016			0.00062 (J)	
8/10/2016	0.0051			0.0006 (J)
8/11/2016		0.0046		
9/27/2016		0.001 (J)	0.00059 (J)	0.00063 (J)
9/28/2016	0.0058			
11/14/2016		<0.0025		
11/15/2016			0.00064 (J)	0.00053 (J)
11/16/2016	0.0063			
1/10/2017		0.00044 (J)		
1/11/2017			0.00064 (J)	
1/13/2017				0.00052 (J)
1/17/2017	0.0057			
1/19/2017			0.00046 (J)	

Time Series

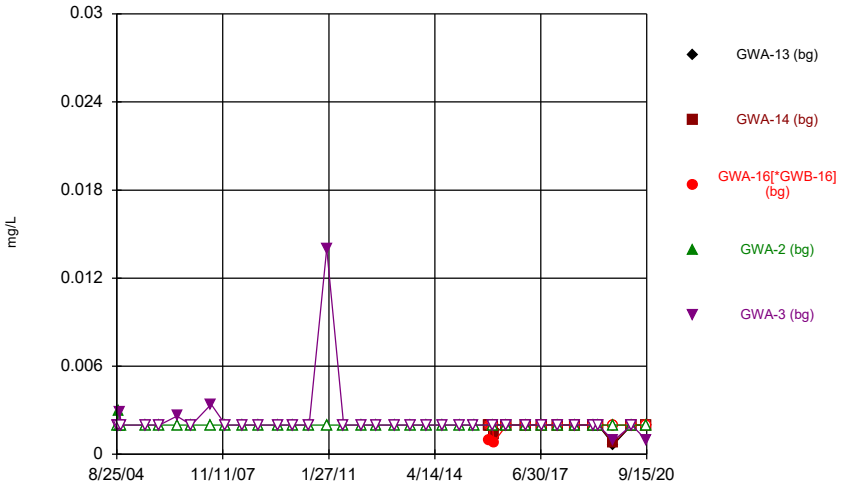
Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.009	
2/28/2017		0.001 (J)	0.00078 (J)	
3/1/2017				0.00084 (J)
3/2/2017	0.0095			
4/20/2017		0.00059 (J)	0.00065 (J)	
4/24/2017				0.00055 (J)
4/25/2017	0.0078			
7/13/2017	0.0061			
7/18/2017		0.00079 (J)	0.00069 (J)	
7/24/2017				0.00058 (J)
7/25/2017	0.0074			
1/10/2018		0.0018 (J)	0.00068 (J)	
1/12/2018	0.0072			0.00054 (J)
7/11/2018		0.0044	0.00071 (J)	
7/12/2018	0.0077			0.00072 (J)
1/29/2019		0.0033	0.00064 (J)	
1/30/2019	0.0061			<0.0025
3/26/2019		0.0037	0.00064	
3/27/2019	0.006			0.00051
9/10/2019		0.0031	0.00074	
9/11/2019	0.0059			0.00083
3/31/2020		0.0038	0.00067 (J)	
4/1/2020	0.0037			0.00042 (J)
9/15/2020	0.0032		0.0005 (J)	
9/16/2020		0.0014 (J)		0.00037 (J)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

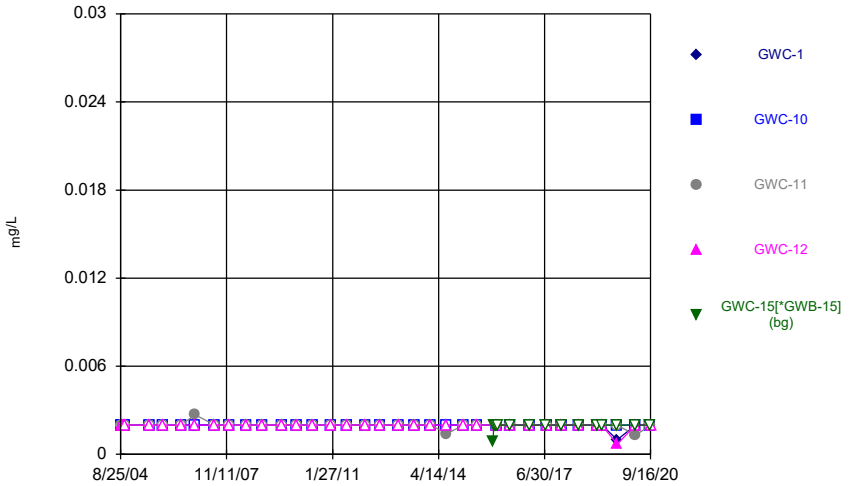
Time Series



Constituent: Copper Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

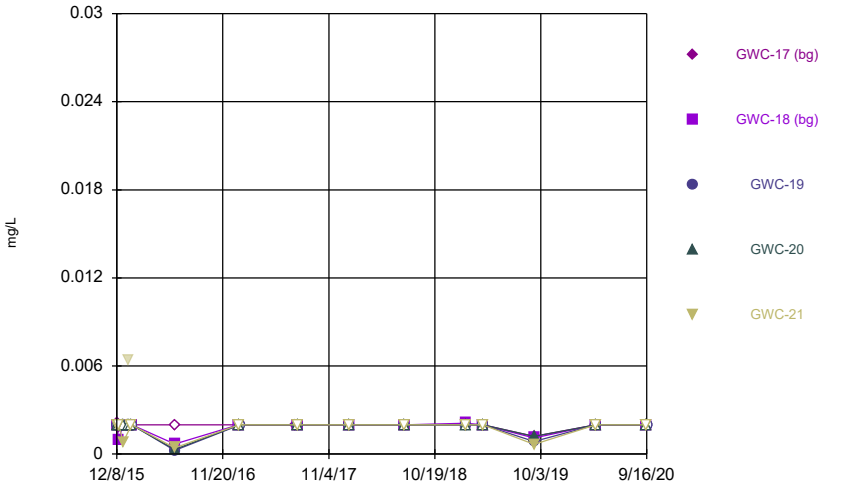
Time Series



Constituent: Copper Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

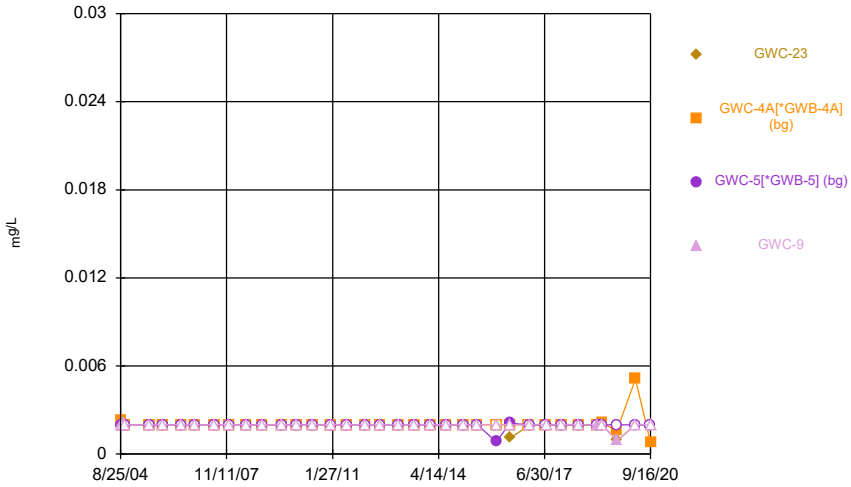
Time Series



Constituent: Copper Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Copper Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Copper (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.002	<0.002
9/11/2004				0.003	<0.002
9/26/2004				<0.002	0.0029
10/13/2004				<0.002	<0.002
7/11/2005				<0.002	<0.002
12/7/2005				<0.002	<0.002
6/22/2006				<0.002	0.0026
11/28/2006				<0.002	<0.002
7/6/2007				<0.002	0.0034
12/13/2007				<0.002	<0.002
6/20/2008				<0.002	<0.002
12/7/2008				<0.002	<0.002
7/9/2009				<0.002	<0.002
12/28/2009				<0.002	<0.002
6/22/2010				<0.002	<0.002
1/4/2011				<0.002	
1/5/2011					0.014
7/9/2011				<0.002	<0.002
1/20/2012					<0.002
1/21/2012				<0.002	
7/11/2012				<0.002	<0.002
1/19/2013					<0.002
1/20/2013				<0.002	
7/18/2013					<0.002
7/19/2013				<0.002	
1/15/2014				<0.002	<0.002
7/11/2014				<0.002	<0.002
1/15/2015					<0.002
1/16/2015				<0.002	
6/19/2015					<0.002
6/20/2015				<0.002	
12/7/2015	<0.002	<0.002	0.001 (J)		
12/14/2015			<0.002		
12/15/2015	<0.002	<0.002			
12/28/2015			<0.002		
12/29/2015	<0.002	<0.002			
1/13/2016	<0.002	<0.002	<0.002		
1/16/2016				<0.002	<0.002
1/25/2016	<0.002	0.0014 (J)	0.00081 (J)		
6/14/2016	<0.002	<0.002		<0.002	<0.002
6/15/2016			<0.002		
1/10/2017				<0.002	<0.002
1/11/2017		<0.002	<0.002		
1/12/2017	<0.002				
7/17/2017				<0.002	
7/18/2017	<0.002				<0.002
7/19/2017		<0.002	<0.002		
1/10/2018	<0.002			<0.002	<0.002
1/11/2018		<0.002	<0.002		
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002	<0.002	<0.002	<0.002	<0.002
3/26/2019	<0.002	<0.002	<0.002		

Time Series

Constituent: Copper (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.002	<0.002
9/10/2019	0.00066 (J)	0.00076 (J)	<0.002		
9/11/2019				<0.002	0.00092 (J)
3/31/2020	<0.002				
4/1/2020		<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002	<0.002	<0.002	0.00095 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.002	<0.002	<0.002	<0.002	
9/11/2004	<0.002	<0.002	<0.002	<0.002	
9/26/2004	<0.002	<0.002	<0.002	<0.002	
10/13/2004		<0.002	<0.002	<0.002	
7/11/2005	<0.002	<0.002	<0.002	<0.002	
12/7/2005	<0.002	<0.002	<0.002	<0.002	
6/22/2006	<0.002	<0.002	<0.002	<0.002	
11/28/2006	<0.002	<0.002	0.0027	<0.002	
7/6/2007	<0.002	<0.002	<0.002	<0.002	
12/13/2007	<0.002	<0.002	<0.002	<0.002	
6/20/2008	<0.002	<0.002	<0.002	<0.002	
12/7/2008	<0.002	<0.002	<0.002	<0.002	
7/9/2009	<0.002				
7/10/2009		<0.002	<0.002	<0.002	
12/28/2009	<0.002			<0.002	
12/29/2009		<0.002	<0.002		
6/22/2010	<0.002	<0.002	<0.002	<0.002	
1/4/2011	<0.002	<0.002		<0.002	
1/5/2011			<0.002		
7/9/2011	<0.002		<0.002	<0.002	
7/10/2011		<0.002			
1/20/2012				<0.002	
1/21/2012	<0.002	<0.002	<0.002		
7/11/2012	<0.002	<0.002	<0.002	<0.002	
1/19/2013			<0.002	<0.002	
1/20/2013	<0.002	<0.002			
7/18/2013				<0.002	
7/19/2013	<0.002	<0.002	<0.002		
1/15/2014	<0.002		<0.002	<0.002	
1/16/2014		<0.002			
7/10/2014		<0.002			
7/11/2014	<0.002		0.0014 (J)	<0.002	
1/15/2015				<0.002	
1/16/2015	<0.002	<0.002	<0.002		
6/19/2015				<0.002	
6/20/2015	<0.002	<0.002	<0.002		
12/7/2015					0.00084 (J)
12/15/2015					<0.002
12/28/2015					<0.002
1/13/2016					<0.002
1/14/2016			<0.002		
1/16/2016	<0.002	<0.002		<0.002	
1/25/2016					<0.002
6/15/2016	<0.002		<0.002	<0.002	<0.002
6/16/2016		<0.002			
1/11/2017					<0.002
1/12/2017	<0.002	<0.002	<0.002	<0.002	
7/19/2017	<0.002				<0.002
7/20/2017				<0.002	
7/24/2017		<0.002	<0.002		
1/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
7/11/2018					<0.002

Time Series

Constituent: Copper (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.002	<0.002	<0.002	<0.002	
1/29/2019					<0.002
1/30/2019	<0.002	<0.002	<0.002	<0.002	
3/26/2019					<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	
9/11/2019	0.001 (J)	<0.002	<0.002	0.00069 (J)	<0.002
4/1/2020	<0.002	<0.002		<0.002	<0.002
4/2/2020			0.0013 (J)		
9/15/2020	<0.002	<0.002	<0.002		<0.002
9/16/2020				<0.002	

Time Series

Constituent: Copper (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0021 (J)	<0.002	<0.002		
12/9/2015				<0.002	<0.002
12/14/2015	0.0018 (J)	0.00096 (J)		<0.002	<0.002
12/15/2015			<0.002		
12/28/2015	<0.002	<0.002	<0.002		
12/29/2015				<0.002	0.00082 (J)
1/13/2016	<0.002				
1/14/2016		<0.002	<0.002	<0.002	0.0064 (o)
1/25/2016				<0.002	<0.002
1/26/2016	<0.002	<0.002	<0.002		
6/15/2016	<0.002				
6/16/2016		0.00068 (J)	0.00024 (J)	0.00032 (J)	0.00042 (J)
1/11/2017	<0.002	<0.002			
1/12/2017					<0.002
1/13/2017				<0.002	
1/16/2017			<0.002		
7/19/2017	<0.002				
7/25/2017		<0.002	<0.002	<0.002	<0.002
1/11/2018	<0.002				<0.002
1/12/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002	<0.002	<0.002	<0.002	<0.002
1/29/2019	<0.002		<0.002	<0.002	
1/30/2019		0.0021 (J)			<0.002
3/27/2019	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2019	0.0012 (J)	0.0011 (J)	0.00085 (J)	0.0012 (J)	0.00066 (J)
4/1/2020	<0.002	<0.002	<0.002	<0.002	<0.002
9/15/2020	<0.002	<0.002		<0.002	<0.002
9/16/2020			<0.002		

Time Series

Constituent: Copper (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		0.0023	<0.002	<0.002
9/11/2004		<0.002	<0.002	<0.002
9/26/2004		<0.002	<0.002	0.0021
10/13/2004		<0.002	<0.002	<0.002
7/11/2005		<0.002	<0.002	<0.002
12/7/2005		<0.002	<0.002	<0.002
6/22/2006		<0.002	<0.002	<0.002
11/28/2006		<0.002	<0.002	<0.002
7/6/2007		<0.002	<0.002	<0.002
12/13/2007		<0.002	<0.002	<0.002
6/20/2008		<0.002	<0.002	<0.002
12/7/2008		<0.002	<0.002	<0.002
7/9/2009		<0.002	<0.002	<0.002
12/29/2009			<0.002	<0.002
12/30/2009		<0.002		
6/22/2010		<0.002	<0.002	<0.002
1/4/2011		<0.002	<0.002	
1/5/2011				<0.002
7/9/2011			<0.002	<0.002
7/10/2011		<0.002		
1/21/2012		<0.002	<0.002	<0.002
7/11/2012		<0.002	<0.002	<0.002
1/19/2013			<0.002	<0.002
1/20/2013		<0.002		
7/18/2013			<0.002	<0.002
7/19/2013		<0.002		
1/15/2014			<0.002	<0.002
1/16/2014		<0.002		
7/10/2014		<0.002	<0.002	<0.002
1/15/2015			<0.002	
1/16/2015		<0.002		<0.002
6/19/2015			<0.002	
6/20/2015		<0.002		<0.002
1/14/2016		<0.002	0.00084 (J)	<0.002
6/14/2016		<0.002	0.0021 (J)	
6/15/2016				<0.002
6/16/2016	0.0011 (J)			
1/10/2017		<0.002		
1/11/2017			<0.002	
1/13/2017				<0.002
1/17/2017	<0.002			
7/18/2017		<0.002	<0.002	
7/24/2017				<0.002
7/25/2017	<0.002			
1/10/2018		<0.002	<0.002	
1/12/2018	<0.002			<0.002
7/11/2018		<0.002	<0.002	
7/12/2018	<0.002			<0.002
1/29/2019		<0.002	<0.002	
1/30/2019	<0.002			0.002 (J)
3/26/2019		0.0021	<0.002	
3/27/2019	<0.002			<0.002

Time Series

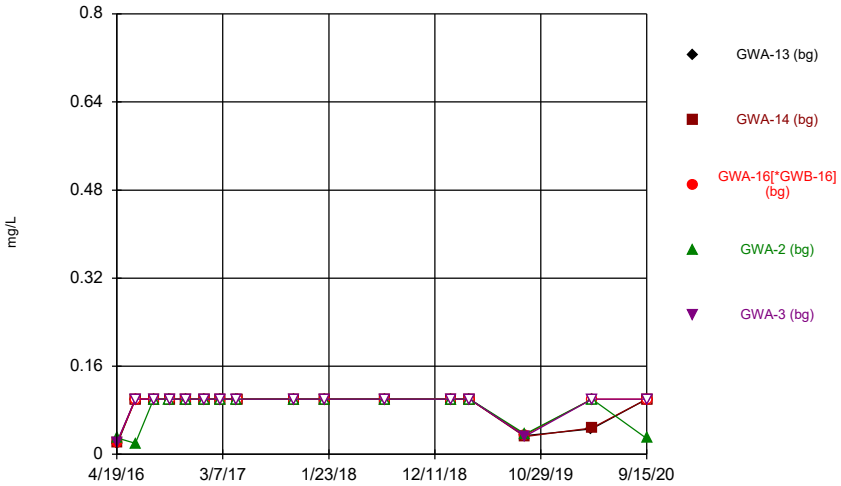
Constituent: Copper (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.0016 (J)	<0.002	
9/11/2019	0.00092 (J)			0.00092 (J)
3/31/2020		0.0051	<0.002	
4/1/2020	<0.002			<0.002
9/15/2020	<0.002		<0.002	
9/16/2020		0.00079 (J)		<0.002

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

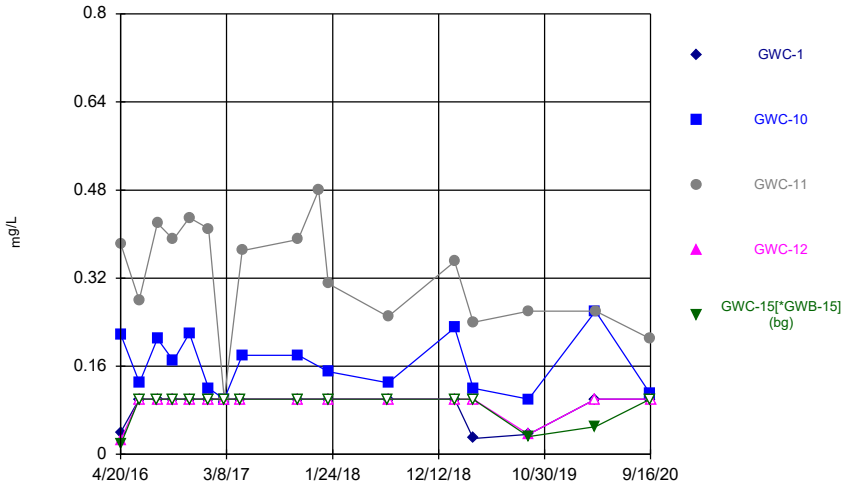
Time Series



Constituent: Fluoride Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

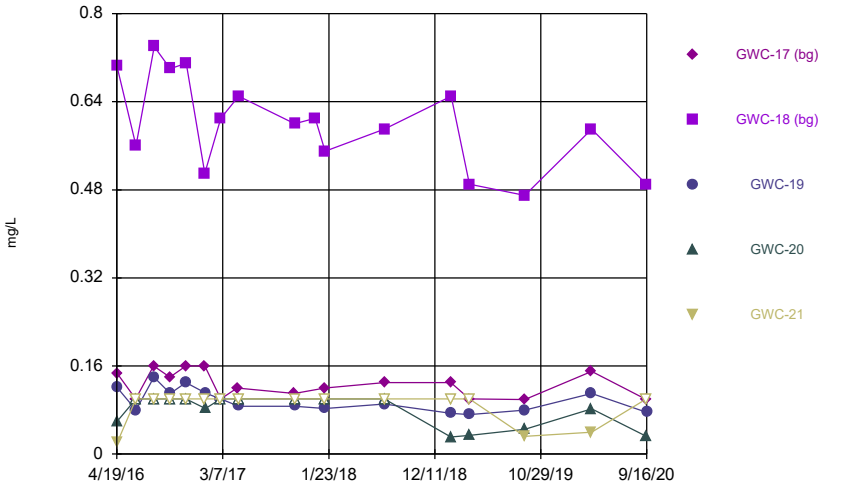
Time Series



Constituent: Fluoride Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

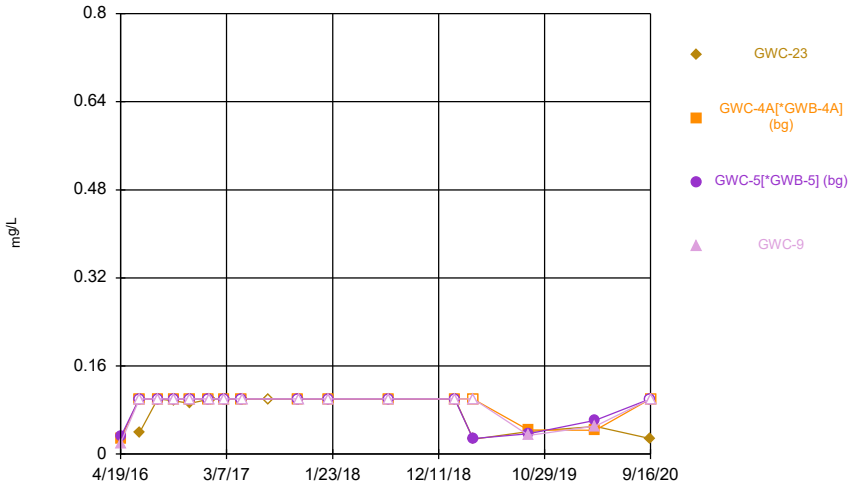
Time Series



Constituent: Fluoride Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Fluoride Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				0.03 (J)	0.022 (J)
4/20/2016	0.018 (J)	0.021 (J)	0.022 (J)		
6/14/2016	<0.1	<0.1		0.02 (J)	<0.1
6/15/2016			<0.1		
8/9/2016	<0.1	<0.1	<0.1	<0.1	<0.1
9/26/2016				<0.1	
9/27/2016	<0.1	<0.1	<0.1		<0.1
11/14/2016					<0.1
11/15/2016	<0.1	<0.1	<0.1	<0.1	
1/10/2017				<0.1	<0.1
1/11/2017		<0.1	<0.1		
1/12/2017	<0.1				
2/28/2017	<0.1	<0.1		<0.1	<0.1
3/1/2017			<0.1		
4/19/2017				<0.1	<0.1
4/20/2017	<0.1	<0.1	<0.1		
10/10/2017				<0.1	
10/11/2017	<0.1	<0.1	<0.1		<0.1
1/10/2018	<0.1			<0.1	<0.1
1/11/2018		<0.1	<0.1		
7/11/2018	<0.1	<0.1	<0.1	<0.1	<0.1
1/29/2019	<0.1	<0.1	<0.1	<0.1	<0.1
3/26/2019	<0.1	<0.1	<0.1		
3/27/2019				<0.1	<0.1
9/10/2019	0.034 (J)	0.032 (J)	0.035 (J)		
9/11/2019				0.037 (J)	0.033 (J)
3/31/2020	0.046 (J)				
4/1/2020		0.048 (J)	<0.1	<0.1	<0.1
9/15/2020	<0.1	<0.1	<0.1	0.029 (J)	<0.1

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	0.04 (J)		0.383	0.026 (J)	
4/21/2016		0.217 (J)			0.019 (J)
6/15/2016	<0.1		0.28 (J)	<0.1	<0.1
6/16/2016		0.13 (J)			
8/9/2016					<0.1
8/10/2016	<0.1	0.21	0.42	<0.1	
9/27/2016	<0.1	0.17 (J)	0.39	<0.1	<0.1
11/15/2016	<0.1	0.22	0.43	<0.1	<0.1
1/11/2017					<0.1
1/12/2017	<0.1	0.12 (J)	0.41	<0.1	
2/28/2017					<0.1
3/1/2017	<0.1	<0.1	<0.1	<0.1	
4/20/2017	<0.1			<0.1	<0.1
4/24/2017		0.18 (J)	0.37		
10/11/2017	<0.1		0.39		<0.1
10/12/2017		0.18 (J)		<0.1	
12/13/2017			0.48		
1/11/2018	<0.1	0.15 (J)	0.31	<0.1	<0.1
7/11/2018					<0.1
7/12/2018	<0.1	0.13 (J)	0.25	<0.1	
1/29/2019					<0.1
1/30/2019	<0.1	0.23 (J)	0.35	<0.1	
3/26/2019					<0.1
3/27/2019	0.029	0.12	0.24	<0.1	
9/11/2019	0.036 (J)	0.1	0.26	0.036 (J)	0.032 (J)
4/1/2020	<0.1	0.26		<0.1	0.05 (J)
4/2/2020			0.26		
9/15/2020	<0.1	0.11	0.21		<0.1
9/16/2020				<0.1	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		0.706	0.122 (J)		
4/20/2016	0.147 (J)				
4/21/2016				0.06 (J)	0.022 (J)
6/15/2016	0.1 (J)				
6/16/2016		0.56	0.08 (J)	<0.1	<0.1
8/9/2016	0.16 (J)				
8/10/2016			0.14 (J)	<0.1	<0.1
8/11/2016		0.74			
9/27/2016	0.14 (J)			<0.1	<0.1
9/28/2016		0.7	0.11 (J)		
11/15/2016	0.16 (J)		0.13 (J)	<0.1	<0.1
11/16/2016		0.71			
1/11/2017	0.16 (J)	0.51			
1/12/2017					<0.1
1/13/2017				0.083 (J)	
1/16/2017			0.11 (J)		
3/1/2017	<0.1	0.61	<0.1	<0.1	<0.1
4/20/2017	0.12 (J)				
4/24/2017					<0.1
4/25/2017		0.65	0.087 (J)	<0.1	
10/11/2017	0.11 (J)				
10/12/2017		0.6	0.087 (J)	<0.1	<0.1
12/13/2017		0.61			
1/11/2018	0.12 (J)				<0.1
1/12/2018		0.55	0.083 (J)	<0.1	
7/11/2018	0.13 (J)	0.59	0.091 (J)	<0.1	<0.1
1/29/2019	0.13 (J)		0.074 (J)	0.031 (J)	
1/30/2019		0.65			<0.1
3/27/2019	0.1	0.49	0.072	0.034	<0.1
9/11/2019	0.099 (J)	0.47	0.08 (J)	0.045 (J)	0.032 (J)
4/1/2020	0.15	0.59	0.11	0.082 (J)	0.04 (J)
9/15/2020	0.099 (J)	0.49		0.032 (J)	<0.1
9/16/2020			0.076 (J)		

Time Series

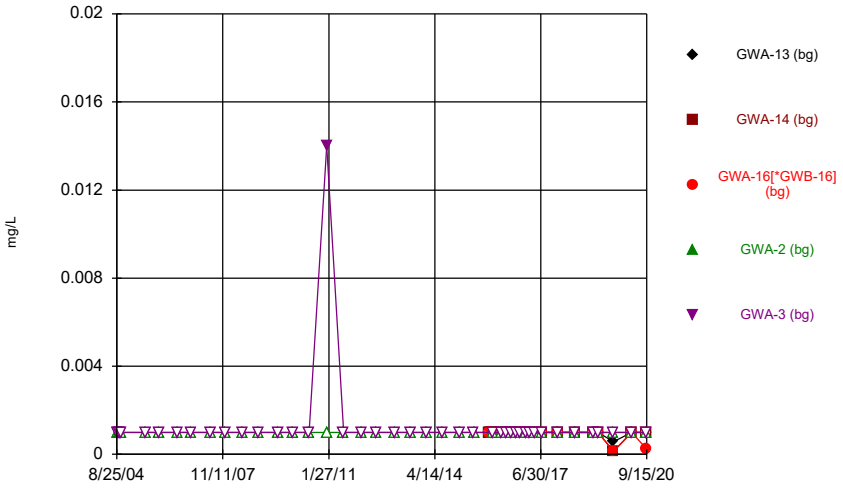
Constituent: Fluoride (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				0.02 (J)
4/20/2016		0.028 (J)	0.032 (J)	
6/14/2016		<0.1	<0.1	
6/15/2016				<0.1
6/16/2016	0.04 (J)			
8/9/2016			<0.1	
8/10/2016	<0.1			<0.1
8/11/2016		<0.1		
9/27/2016		<0.1	<0.1	<0.1
9/28/2016	0.097 (J)			
11/14/2016		<0.1		
11/15/2016			<0.1	<0.1
11/16/2016	0.092 (J)			
1/10/2017		<0.1		
1/11/2017			<0.1	
1/13/2017				<0.1
1/17/2017	<0.1			
2/28/2017		<0.1	<0.1	
3/1/2017				<0.1
3/2/2017	<0.1			
4/20/2017		<0.1	<0.1	
4/24/2017				<0.1
4/25/2017	<0.1			
7/13/2017	<0.1			
10/10/2017		<0.1		
10/11/2017			<0.1	
10/12/2017	<0.1			<0.1
1/10/2018		<0.1	<0.1	
1/12/2018	<0.1			<0.1
7/11/2018		<0.1	<0.1	
7/12/2018	<0.1			<0.1
1/29/2019		<0.1	<0.1	
1/30/2019	<0.1			<0.1
3/26/2019		<0.1	0.028	
3/27/2019	0.027			<0.1
9/10/2019		0.044 (J)	0.037 (J)	
9/11/2019	0.041 (J)			0.034 (J)
3/31/2020		0.043 (J)	0.061 (J)	
4/1/2020	0.05 (J)			0.051 (J)
9/15/2020	0.028 (J)		<0.1	
9/16/2020		<0.1		<0.1

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

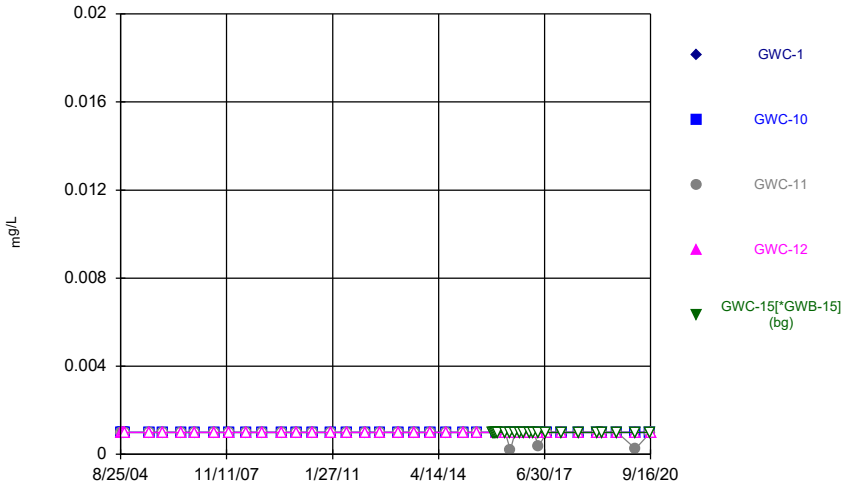
Time Series



Constituent: Lead Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

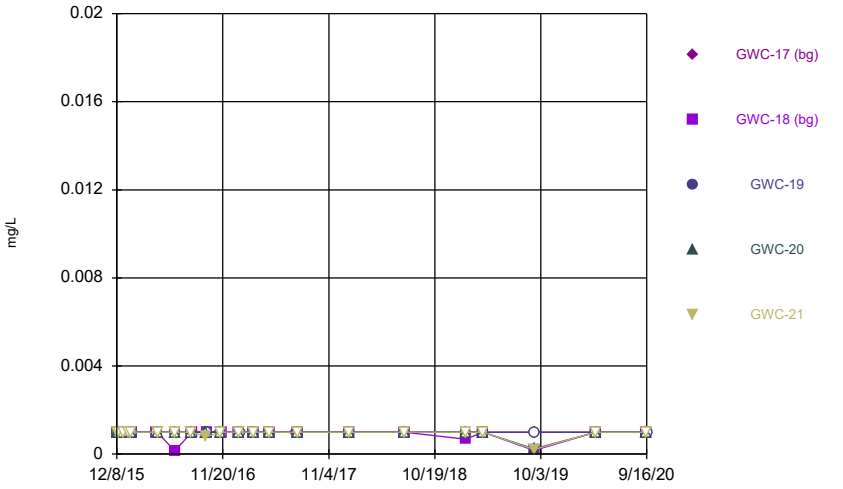
Time Series



Constituent: Lead Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

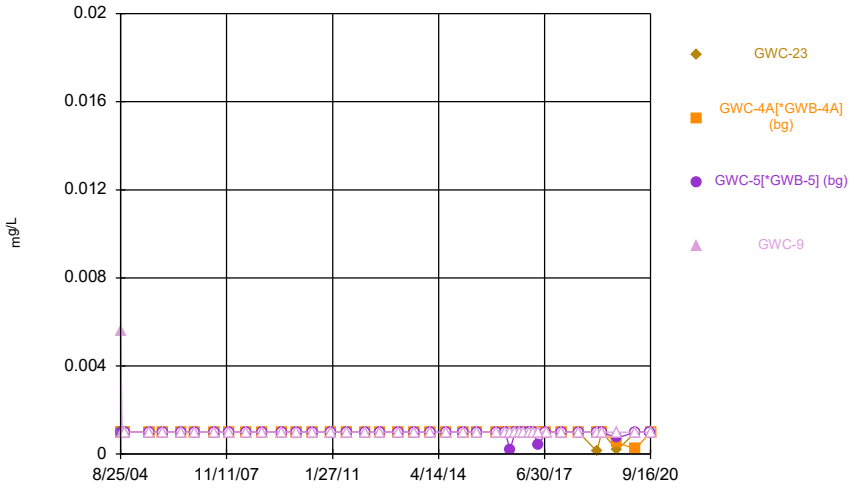
Time Series



Constituent: Lead Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Lead Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.014
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.001		
4/19/2017				<0.001	<0.001
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	<0.001
9/10/2019	0.00058 (J)	0.00013 (J)	0.00013 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	0.00024 (J)	<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		<0.001	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		<0.001	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		0.0002 (J)	<0.001	<0.001
6/16/2016		<0.001			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001	<0.001	
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/11/2017					<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	<0.001	<0.001	<0.001	<0.001	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	
4/20/2017	<0.001			<0.001	<0.001
4/24/2017		<0.001	0.00037 (J)		
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001		<0.001	<0.001
4/2/2020			0.00025 (J)		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
4/19/2016		<0.001	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	<0.001				
6/16/2016		0.00015 (J)	<0.001	<0.001	<0.001
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		<0.001			
9/27/2016	<0.001			<0.001	0.00079 (J)
9/28/2016		<0.001	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		<0.001			
1/11/2017	<0.001	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
3/1/2017	<0.001	<0.001	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		<0.001	<0.001	<0.001	
7/19/2017	<0.001				
7/25/2017		<0.001	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.00067 (J)			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00017 (J)	<0.001	0.00024 (J)	0.00021 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	0.0056
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	<0.001
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		<0.001		<0.001
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
4/19/2016				<0.001
4/20/2016		<0.001	<0.001	
6/14/2016		<0.001	0.00019 (J)	
6/15/2016				<0.001
6/16/2016	<0.001			
8/9/2016			<0.001	
8/10/2016	<0.001			<0.001
8/11/2016		<0.001		
9/27/2016		<0.001	<0.001	<0.001
9/28/2016	<0.001			
11/14/2016		<0.001		
11/15/2016			<0.001	<0.001
11/16/2016	<0.001			
1/10/2017		<0.001		
1/11/2017			<0.001	
1/13/2017				<0.001
1/17/2017	<0.001			
1/19/2017			0.001 (J)	

Time Series

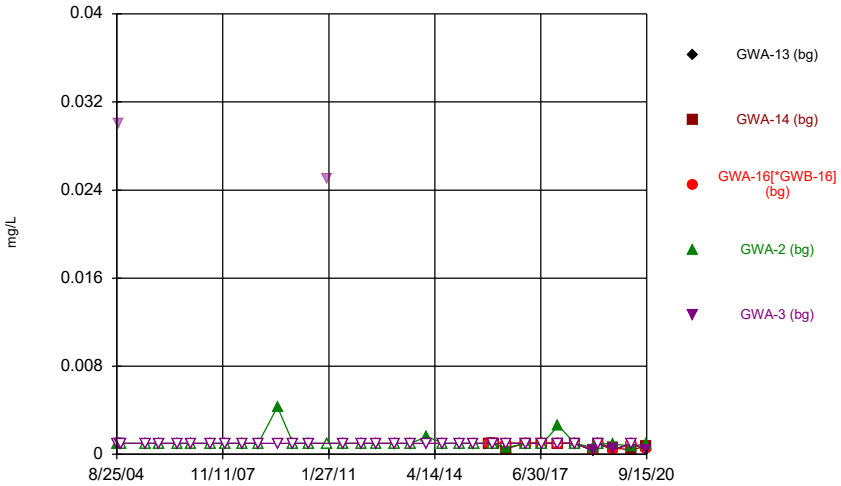
Constituent: Lead (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			<0.001	
2/28/2017		<0.001	<0.001	
3/1/2017				<0.001
3/2/2017	<0.001			
4/20/2017		<0.001	0.00041 (J)	
4/24/2017				<0.001
4/25/2017	<0.001			
7/13/2017	<0.001			
7/18/2017		<0.001	<0.001	
7/24/2017				<0.001
7/25/2017	<0.001			
1/10/2018		<0.001	<0.001	
1/12/2018	<0.001			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	<0.001			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	0.00013 (J)			<0.001
3/26/2019		<0.001	<0.001	
3/27/2019	<0.001			<0.001
9/10/2019		0.00051 (J)	0.00074 (J)	
9/11/2019	0.00018 (J)			<0.001
3/31/2020		0.00024 (J)	<0.001	
4/1/2020	<0.001			<0.001
9/15/2020	<0.001		<0.001	
9/16/2020		<0.001		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

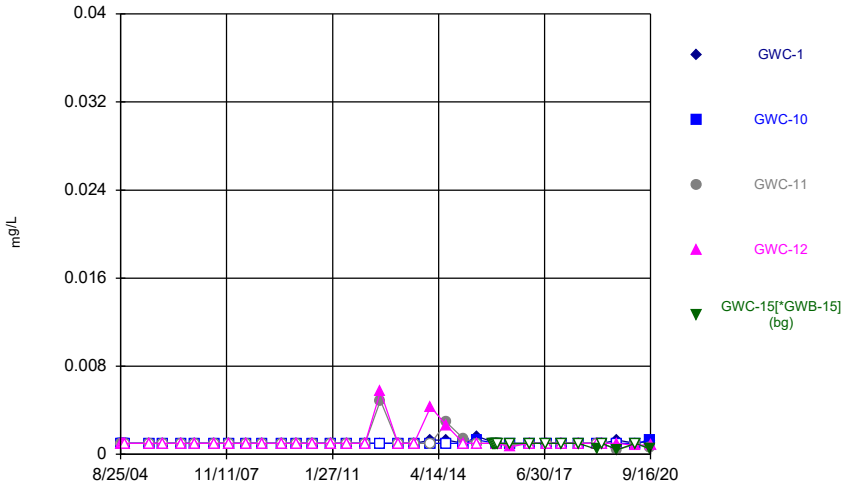
Time Series



Constituent: Nickel Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

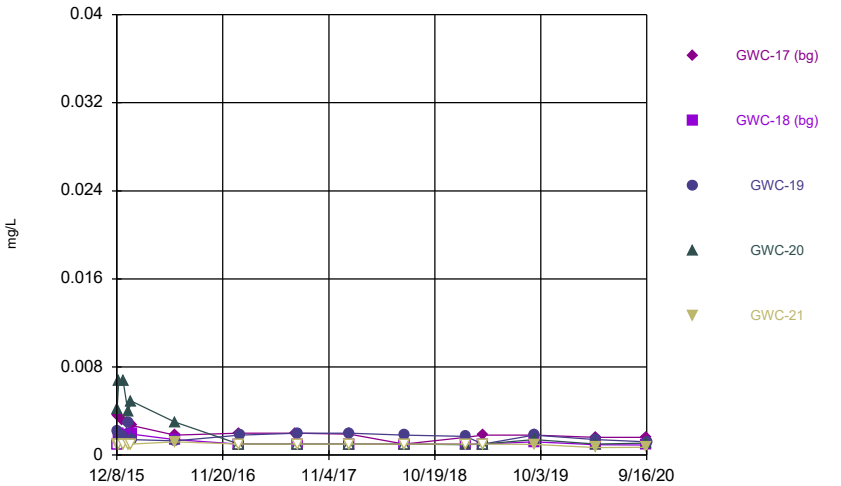
Time Series



Constituent: Nickel Analysis Run 11/18/2020 9:29 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

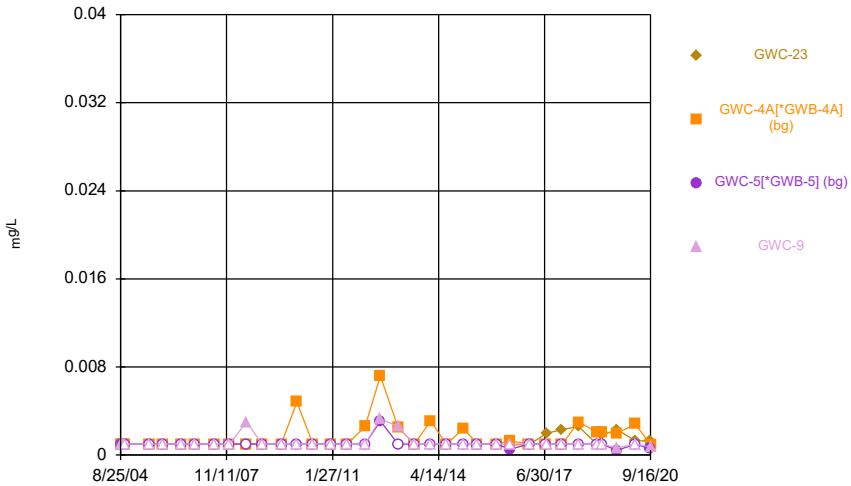
Time Series



Constituent: Nickel Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Nickel Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	0.03 (O)
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				0.0043	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.025 (O)
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				0.0016 (J)	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	0.00052 (J)		0.0006 (J)	<0.001
6/15/2016			<0.001		
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			0.0026	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	0.00033 (J)	0.0004 (J)	0.0004 (J)	0.00063 (J)	0.00034 (J)
3/26/2019	<0.001	<0.001	<0.001		

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.001	<0.001
9/10/2019	0.0004 (J)	0.00056 (J)	0.00036 (J)		
9/11/2019				0.00091 (J)	0.00045 (J)
3/31/2020	<0.001				
4/1/2020		0.00043 (J)	<0.001	0.00077 (J)	<0.001
9/15/2020	0.00037 (J)	0.00075 (J)	0.00045 (J)	0.00094 (J)	0.00038 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	0.0049	0.0057	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	0.0013 (J)		<0.001	0.0043	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	0.0013 (J)		0.0029	0.0026	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	0.0014 (J)		
6/19/2015				<0.001	
6/20/2015	0.0016 (J)	0.0013 (J)	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
6/15/2016	0.00088 (J)		0.00085 (J)	0.00068 (J)	<0.001
6/16/2016		<0.001			
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					0.00046 (J)
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	0.0013	<0.001	0.00042 (J)	0.001	0.00042 (J)
4/1/2020	0.00099 (J)	<0.001		0.0008 (J)	<0.001
4/2/2020			0.0009 (J)		
9/15/2020	0.0012	0.0013	0.00063 (J)		0.00047 (J)
9/16/2020				0.00088 (J)	

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0036	<0.001	0.0022 (J)		
12/9/2015				0.0042	<0.001
12/14/2015	0.0035	0.0019 (J)		0.0067	<0.001
12/15/2015			0.0019 (J)		
12/28/2015	0.0032	0.0018 (J)	0.0017 (J)		
12/29/2015				0.0067	<0.001
1/13/2016	0.0029				
1/14/2016		0.0017 (J)	0.0029	0.0039	<0.001
1/25/2016				0.0049	<0.001
1/26/2016	0.0027	0.0019 (J)	0.0014 (J)		
6/15/2016	0.0018 (J)				
6/16/2016		0.0014 (J)	0.0013 (J)	0.003 (J)	0.0012 (J)
1/11/2017	0.002 (J)	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			0.0018 (J)		
7/19/2017	0.002 (J)				
7/25/2017		<0.001	0.002 (J)	<0.001	<0.001
1/11/2018	0.0019 (J)				<0.001
1/12/2018		<0.001	0.002 (J)	<0.001	
7/11/2018	<0.001	<0.001	0.0018 (J)	<0.001	<0.001
1/29/2019	0.0016 (J)		0.0017 (J)	0.00093 (J)	
1/30/2019		<0.001			<0.001
3/27/2019	0.0018	<0.001	<0.001	<0.001	<0.001
9/11/2019	0.0018	0.0012	0.0018	0.0014	0.00097 (J)
4/1/2020	0.0016	0.00095	0.0014	0.001	0.00067 (J)
9/15/2020	0.0016	0.00092 (J)		0.0011	0.0007 (J)
9/16/2020			0.0012		

Time Series

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	0.003
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		0.0048		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		0.0026	<0.001	<0.001
7/11/2012		0.0072	0.0031	0.0033
1/19/2013			<0.001	0.0026
1/20/2013		0.0025		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		0.0031		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		0.0024 (J)		<0.001
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
6/14/2016		0.0013 (J)	0.00054 (J)	
6/15/2016				<0.001
6/16/2016	0.0009 (J)			
1/10/2017		<0.001		
1/11/2017			<0.001	
1/13/2017				<0.001
1/17/2017	<0.001			
7/18/2017		<0.001	<0.001	
7/24/2017				<0.001
7/25/2017	0.002 (J)			
1/10/2018		<0.001	<0.001	
1/12/2018	0.0023 (J)			<0.001
7/11/2018		0.003	<0.001	
7/12/2018	0.0026			<0.001
1/29/2019		0.0021 (J)	<0.001	
1/30/2019	<0.001			<0.001
3/26/2019		0.0021	<0.001	
3/27/2019	0.0018			<0.001

Time Series

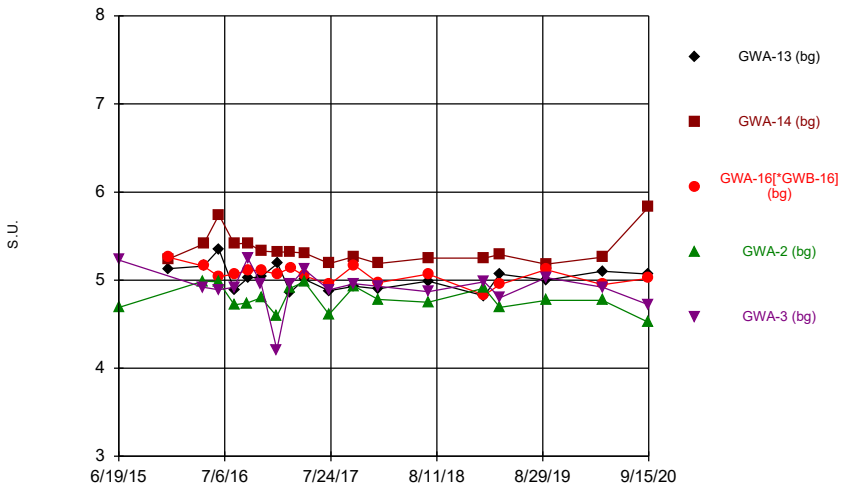
Constituent: Nickel (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.002	0.00043 (J)	
9/11/2019	0.0023			0.00065 (J)
3/31/2020		0.0028	<0.001	
4/1/2020	0.0013			<0.001
9/15/2020	0.0013		0.00056 (J)	
9/16/2020		0.00096 (J)		0.00075 (J)

Sanitas™ v.9.6.27 . UG

Time Series

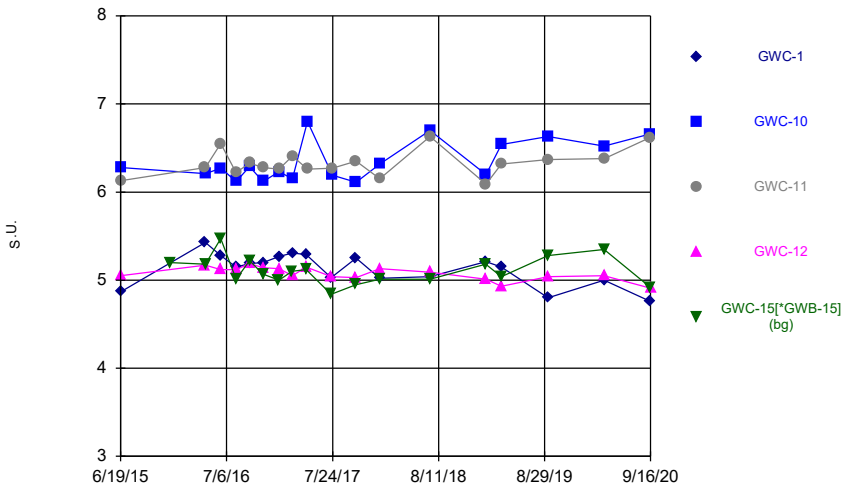


Constituent: pH Analysis Run 11/18/2020 9:30 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series

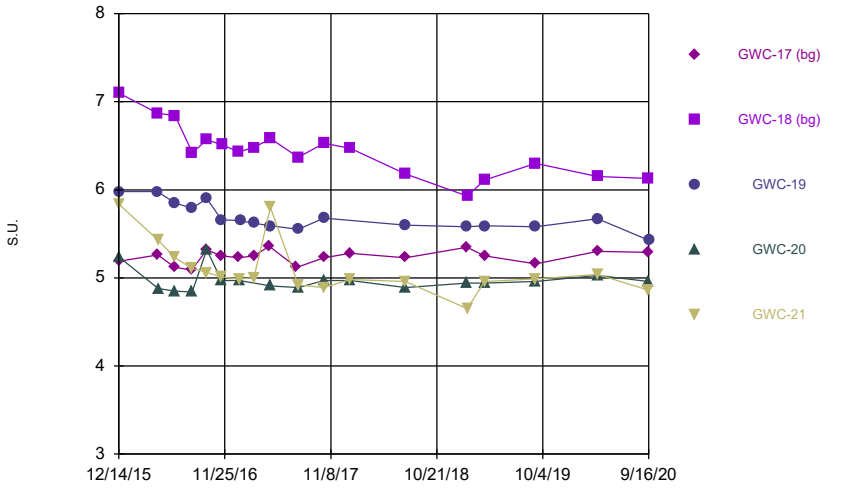


Constituent: pH Analysis Run 11/18/2020 9:30 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series

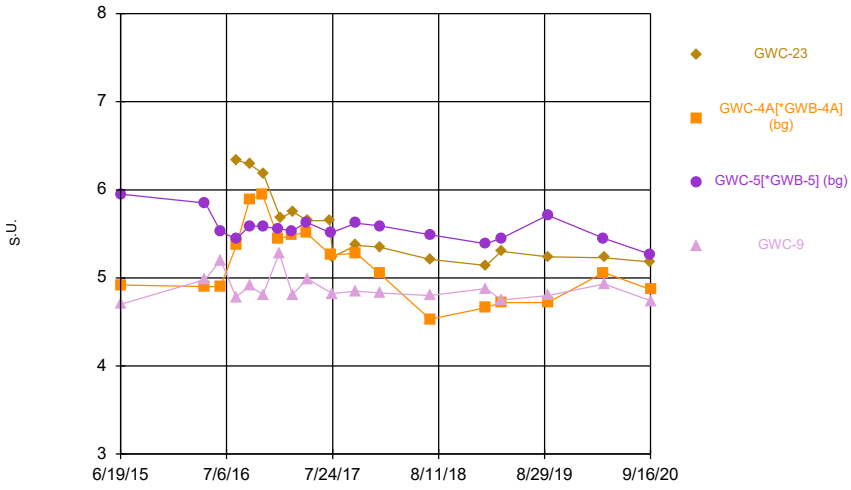


Constituent: pH Analysis Run 11/18/2020 9:30 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Time Series



Constituent: pH Analysis Run 11/18/2020 9:30 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: pH (S.U.) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
6/19/2015					5.23
6/20/2015				4.69	
12/14/2015			5.26		
12/15/2015	5.13	5.24			
4/19/2016				4.99	4.92
4/20/2016	5.16	5.41	5.16		
6/14/2016				4.98	4.89
6/15/2016	5.35	5.74	5.04		
8/9/2016	4.89	5.41	5.07	4.72	4.92
9/26/2016				4.74	
9/27/2016	5.02	5.42	5.11		5.25
11/14/2016					4.96
11/15/2016	5.04	5.33	5.11	4.8	
1/10/2017				4.59	4.21
1/11/2017		5.32	5.07		
1/12/2017	5.19				
2/28/2017	4.86	5.32		4.91	4.95
3/1/2017			5.14		
4/19/2017				4.98	5.12
4/20/2017	5.01	5.31	5.05		
7/17/2017				4.61	
7/18/2017	4.88				4.89
7/19/2017		5.19	4.95		
10/17/2017	4.93	5.27	5.17	4.93	4.96
1/10/2018	4.9			4.78	4.93
1/11/2018		5.19	4.97		
7/11/2018	4.99 (D)	5.25 (D)	5.07	4.75 (D)	4.87 (D)
1/29/2019	4.82	5.25	4.83	4.91	4.98
3/26/2019	5.07	5.29	4.95		
3/27/2019				4.69	4.8
9/10/2019	5	5.18	5.12		
9/11/2019				4.77	5.03
3/31/2020	5.1				
4/1/2020		5.26	4.95	4.77	4.92
9/15/2020	5.07	5.83	5.02	4.52	4.72

Time Series

Constituent: pH (S.U.) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
6/19/2015				5.05	
6/20/2015	4.87	6.28	6.13		
12/15/2015					5.2
4/20/2016	5.43		6.28	5.17	
4/21/2016		6.21			5.18
6/15/2016	5.28		6.55	5.12	5.47
6/16/2016		6.27			
8/9/2016					5.01
8/10/2016	5.15	6.12	6.22	5.12	
9/27/2016	5.19	6.29	6.33	5.19	5.22
11/15/2016	5.2	6.12	6.28	5.14	5.07
1/11/2017					5
1/12/2017	5.27	6.23	6.26	5.13	
2/28/2017					5.1
3/1/2017	5.31	6.15	6.41	5.05	
4/20/2017	5.29			5.15	5.12
4/24/2017		6.8	6.26		
7/19/2017	5.03				4.84
7/20/2017				5.04	
7/24/2017		6.19	6.27		
10/17/2017	5.25	6.11	6.35	5.03	4.95
1/11/2018	5.02	6.32	6.15	5.13	5.01
7/11/2018					5.01
7/12/2018	5.04 (D)	6.7 (D)	6.63 (D)	5.09 (D)	
1/29/2019					5.18
1/30/2019	5.21	6.2	6.09	5.01	
3/26/2019					5.04
3/27/2019	5.15	6.54	6.32	4.93	
9/11/2019	4.8	6.63	6.37	5.04	5.28
4/1/2020	5	6.52		5.05	5.35
4/2/2020			6.38		
9/15/2020	4.76	6.66	6.62		4.92
9/16/2020				4.91	

Time Series

Constituent: pH (S.U.) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/14/2015	5.19	7.1		5.24	5.84
12/15/2015			5.98		
4/19/2016		6.87	5.98		
4/20/2016	5.26				
4/21/2016				4.88	5.43
6/15/2016	5.12				
6/16/2016		6.84	5.85	4.85	5.23
8/9/2016	5.09				
8/10/2016			5.79	4.84	5.11
8/11/2016		6.42			
9/27/2016	5.32			5.32	5.06
9/28/2016		6.57	5.9		
11/15/2016	5.25		5.66	4.97	5.01
11/16/2016		6.51			
1/11/2017	5.23	6.43			
1/12/2017					4.99
1/13/2017				4.97	
1/16/2017			5.65		
3/1/2017	5.25	6.48	5.62		5
4/20/2017	5.36				
4/24/2017					5.8
4/25/2017		6.58	5.59	4.91	
7/19/2017	5.12				
7/25/2017		6.37	5.55	4.89	4.92
10/17/2017	5.23	6.53	5.68	4.97	4.89
1/11/2018	5.28				4.98
1/12/2018		6.47		4.97	
7/11/2018	5.23 (D)	6.18 (D)	5.6 (D)	4.89 (D)	4.96 (D)
1/29/2019	5.35		5.58	4.94	
1/30/2019		5.93			4.65
3/27/2019	5.25	6.11	5.59	4.94	4.96
9/11/2019	5.16	6.3	5.58	4.96	4.99
4/1/2020	5.3	6.15	5.67	5.03	5.04
9/15/2020	5.29	6.13		4.96	4.86
9/16/2020			5.43		

Time Series

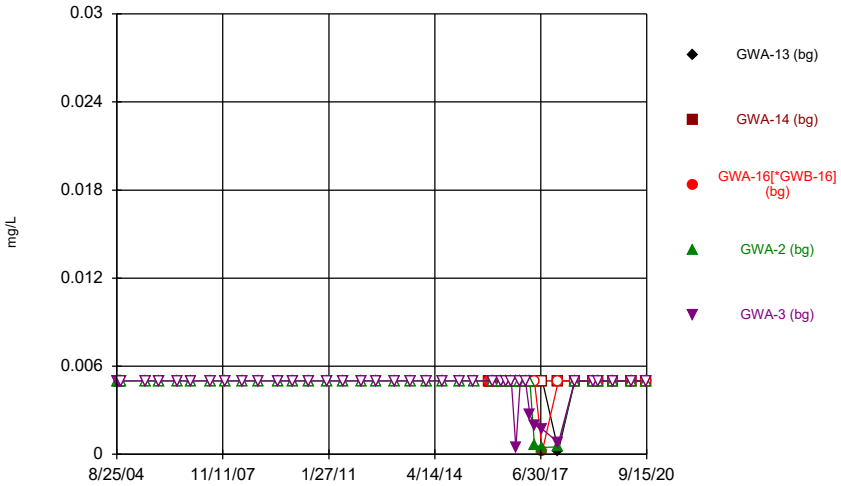
Constituent: pH (S.U.) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
6/19/2015			5.95	
6/20/2015		4.92		4.7
4/19/2016				4.98
4/20/2016		4.9	5.85	
6/14/2016		4.9	5.53	
6/15/2016				5.2
8/9/2016			5.44	
8/10/2016	6.34			4.78
8/11/2016		5.37		
9/27/2016		5.89	5.59	4.91
9/28/2016	6.29			
11/14/2016		5.94		
11/15/2016			5.58	4.81
11/16/2016	6.18			
1/10/2017		5.44		
1/11/2017			5.56	
1/13/2017				5.28
1/17/2017	5.68			
2/28/2017		5.49	5.53	
3/1/2017				4.81
3/2/2017	5.75			
4/20/2017		5.51	5.63	
4/24/2017				4.99
4/25/2017	5.65			
7/13/2017	5.65			
7/18/2017		5.26	5.51	
7/24/2017				4.82
7/25/2017	5.24			
10/17/2017	5.37	5.28	5.62	4.85
1/10/2018		5.05	5.59	
1/12/2018	5.35			4.83
7/11/2018		4.53	5.49	
7/12/2018	5.21 (D)			4.8 (D)
1/29/2019		4.66	5.39	
1/30/2019	5.14			4.88
3/26/2019		4.72	5.45	
3/27/2019	5.3			4.75
9/10/2019		4.72	5.71	
9/11/2019	5.24			4.8
3/31/2020		5.06	5.45	
4/1/2020	5.23			4.93
9/15/2020	5.18		5.27	
9/16/2020		4.87		4.74

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

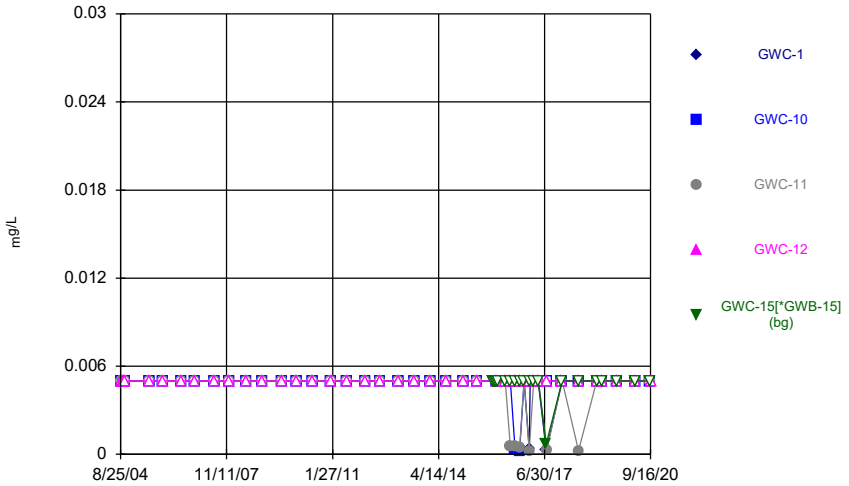
Time Series



Constituent: Selenium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

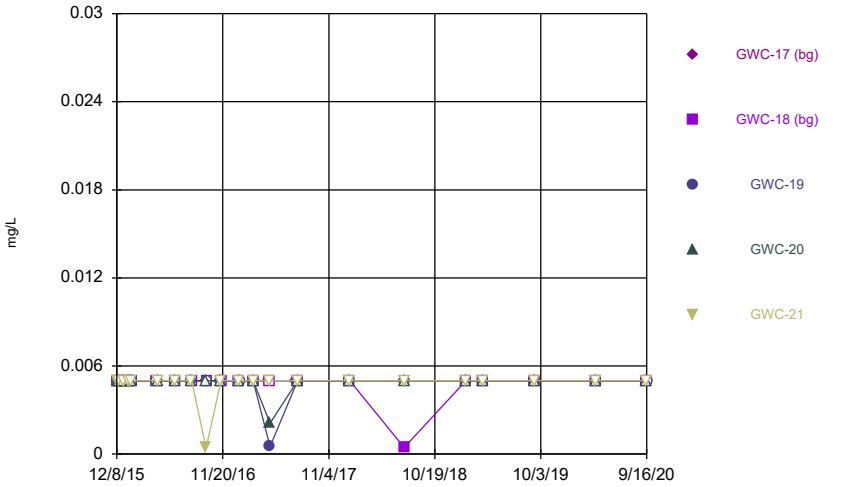
Time Series



Constituent: Selenium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

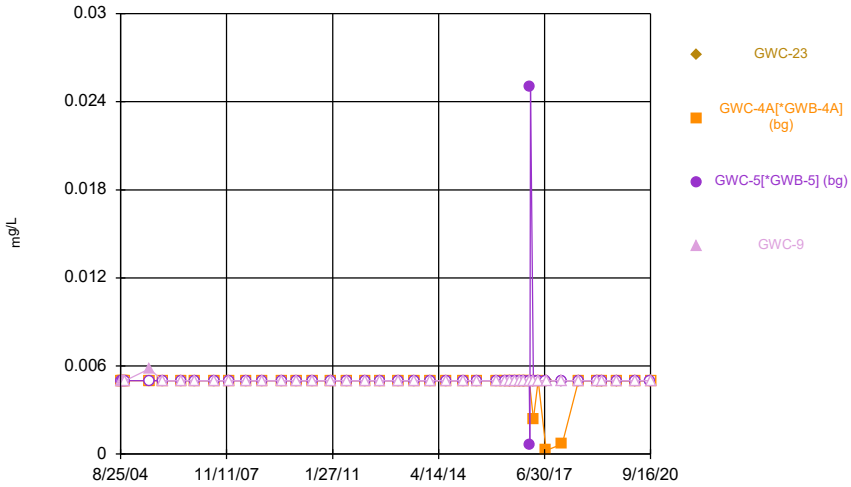
Time Series



Constituent: Selenium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Selenium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.005	<0.005
9/11/2004				<0.005	<0.005
9/26/2004				<0.005	<0.005
10/13/2004				<0.005	<0.005
7/11/2005				<0.005	<0.005
12/7/2005				<0.005	<0.005
6/22/2006				<0.005	<0.005
11/28/2006				<0.005	<0.005
7/6/2007				<0.005	<0.005
12/13/2007				<0.005	<0.005
6/20/2008				<0.005	<0.005
12/7/2008				<0.005	<0.005
7/9/2009				<0.005	<0.005
12/28/2009				<0.005	<0.005
6/22/2010				<0.005	<0.005
1/4/2011				<0.005	
1/5/2011					<0.005
7/9/2011				<0.005	<0.005
1/20/2012					<0.005
1/21/2012				<0.005	
7/11/2012				<0.005	<0.005
1/19/2013					<0.005
1/20/2013				<0.005	
7/18/2013					<0.005
7/19/2013				<0.005	
1/15/2014				<0.005	<0.005
7/11/2014				<0.005	<0.005
1/15/2015					<0.005
1/16/2015				<0.005	
6/19/2015					<0.005
6/20/2015				<0.005	
12/7/2015	<0.005	<0.005	<0.005		
12/14/2015			<0.005		
12/15/2015	<0.005	<0.005			
12/28/2015			<0.005		
12/29/2015	<0.005	<0.005			
1/13/2016	<0.005	<0.005	<0.005		
1/16/2016				<0.005	<0.005
1/25/2016	<0.005	<0.005	<0.005		
4/19/2016				<0.005	<0.005
4/20/2016	<0.005	<0.005	<0.005		
6/14/2016	<0.005	<0.005		<0.005	<0.005
6/15/2016			<0.005		
8/9/2016	<0.005	<0.005	<0.005	<0.005	<0.005
9/26/2016				<0.005	
9/27/2016	<0.005	<0.005	<0.005		0.00045 (J)
11/14/2016					<0.005
11/15/2016	<0.005	<0.005	<0.005	<0.005	
1/10/2017				<0.005	<0.005
1/11/2017		<0.005	<0.005		
1/12/2017	<0.005				
2/28/2017	<0.005	<0.005		<0.005	0.0027

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/1/2017			<0.005		
4/19/2017				0.00065 (J)	0.002
4/20/2017	<0.005	<0.005	<0.005		
7/17/2017				0.00047 (J)	
7/18/2017	<0.005				0.0017
7/19/2017		<0.005	0.00025 (J)		
1/10/2018	0.00025 (J)			0.00052 (J)	0.00079 (J)
1/11/2018		<0.005	<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2019	<0.005	<0.005	<0.005		
3/27/2019				<0.005	<0.005
9/10/2019	<0.005	<0.005	<0.005		
9/11/2019				<0.005	<0.005
3/31/2020	<0.005				
4/1/2020		<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.005	<0.005	<0.005	<0.005	
9/11/2004	<0.005	<0.005	<0.005	<0.005	
9/26/2004	<0.005	<0.005	<0.005	<0.005	
10/13/2004		<0.005	<0.005	<0.005	
7/11/2005	<0.005	<0.005	<0.005	<0.005	
12/7/2005	<0.005	<0.005	<0.005	<0.005	
6/22/2006	<0.005	<0.005	<0.005	<0.005	
11/28/2006	<0.005	<0.005	<0.005	<0.005	
7/6/2007	<0.005	<0.005	<0.005	<0.005	
12/13/2007	<0.005	<0.005	<0.005	<0.005	
6/20/2008	<0.005	<0.005	<0.005	<0.005	
12/7/2008	<0.005	<0.005	<0.005	<0.005	
7/9/2009	<0.005				
7/10/2009		<0.005	<0.005	<0.005	
12/28/2009	<0.005			<0.005	
12/29/2009		<0.005	<0.005		
6/22/2010	<0.005	<0.005	<0.005	<0.005	
1/4/2011	<0.005	<0.005		<0.005	
1/5/2011			<0.005		
7/9/2011	<0.005		<0.005	<0.005	
7/10/2011		<0.005			
1/20/2012				<0.005	
1/21/2012	<0.005	<0.005	<0.005		
7/11/2012	<0.005	<0.005	<0.005	<0.005	
1/19/2013			<0.005	<0.005	
1/20/2013	<0.005	<0.005			
7/18/2013				<0.005	
7/19/2013	<0.005	<0.005	<0.005		
1/15/2014	<0.005		<0.005	<0.005	
1/16/2014		<0.005			
7/10/2014		<0.005			
7/11/2014	<0.005		<0.005	<0.005	
1/15/2015				<0.005	
1/16/2015	<0.005	<0.005	<0.005		
6/19/2015				<0.005	
6/20/2015	<0.005	<0.005	<0.005		
12/7/2015					<0.005
12/15/2015					<0.005
12/28/2015					<0.005
1/13/2016					<0.005
1/14/2016			<0.005		
1/16/2016	<0.005	<0.005		<0.005	
1/25/2016					<0.005
4/20/2016	<0.005		<0.005	<0.005	
4/21/2016		<0.005			<0.005
6/15/2016	<0.005		0.00052 (J)	<0.005	<0.005
6/16/2016		<0.005			
8/9/2016					<0.005
8/10/2016	<0.005	0.00026 (J)	0.00053 (J)	<0.005	
9/27/2016	<0.005	0.00024 (J)	0.00047 (J)	<0.005	<0.005
11/15/2016	<0.005	<0.005	<0.005	<0.005	<0.005
1/11/2017					<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
1/12/2017	0.00035 (J)	<0.005	0.00025 (J)	<0.005	
1/23/2017	<0.005				
2/28/2017					<0.005
3/1/2017	<0.005	<0.005	<0.005	<0.005	
4/20/2017	<0.005			<0.005	<0.005
4/24/2017		<0.005	<0.005		
7/19/2017	0.00026 (J)				0.00071 (J)
7/20/2017				<0.005	
7/24/2017		<0.005	0.00032 (J)		
1/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018					<0.005
7/12/2018	<0.005	<0.005	0.00025 (J)	<0.005	
1/29/2019					<0.005
1/30/2019	<0.005	<0.005	<0.005	<0.005	
3/26/2019					<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2020	<0.005	<0.005		<0.005	<0.005
4/2/2020			<0.005		
9/15/2020	<0.005	<0.005	<0.005		<0.005
9/16/2020				<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.005	<0.005	<0.005		
12/9/2015				<0.005	<0.005
12/14/2015	<0.005	<0.005		<0.005	<0.005
12/15/2015			<0.005		
12/28/2015	<0.005	<0.005	<0.005		
12/29/2015				<0.005	<0.005
1/13/2016	<0.005				
1/14/2016		<0.005	<0.005	<0.005	<0.005
1/25/2016				<0.005	<0.005
1/26/2016	<0.005	<0.005	<0.005		
4/19/2016		<0.005	<0.005		
4/20/2016	<0.005				
4/21/2016				<0.005	<0.005
6/15/2016	<0.005				
6/16/2016		<0.005	<0.005	<0.005	<0.005
8/9/2016	<0.005				
8/10/2016			<0.005	<0.005	<0.005
8/11/2016		<0.005			
9/27/2016	<0.005			<0.005	0.00043 (J)
9/28/2016		<0.005	<0.005		
11/15/2016	<0.005		<0.005	<0.005	<0.005
11/16/2016		<0.005			
1/11/2017	<0.005	<0.005			
1/12/2017					<0.005
1/13/2017				<0.005	
1/16/2017			<0.005		
3/1/2017	<0.005	<0.005	<0.005	<0.005	<0.005
4/20/2017	<0.005				
4/24/2017					<0.005
4/25/2017		<0.005	0.00052 (J)	0.0021	
7/19/2017	<0.005				
7/25/2017		<0.005	<0.005	<0.005	<0.005
1/11/2018	<0.005				<0.005
1/12/2018		<0.005	<0.005	<0.005	
7/11/2018	<0.005	0.00044 (J)	<0.005	<0.005	<0.005
1/29/2019	<0.005		<0.005	<0.005	
1/30/2019		<0.005			<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2019	<0.005	<0.005	<0.005	<0.005	<0.005
4/1/2020	<0.005	<0.005	<0.005	<0.005	<0.005
9/15/2020	<0.005	<0.005		<0.005	<0.005
9/16/2020			<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.005	<0.005	<0.005
9/11/2004		<0.005	<0.005	<0.005
9/26/2004		<0.005	<0.005	<0.005
10/13/2004		<0.005	<0.005	<0.005
7/11/2005		<0.005	<0.005	0.0058
12/7/2005		<0.005	<0.005	<0.005
6/22/2006		<0.005	<0.005	<0.005
11/28/2006		<0.005	<0.005	<0.005
7/6/2007		<0.005	<0.005	<0.005
12/13/2007		<0.005	<0.005	<0.005
6/20/2008		<0.005	<0.005	<0.005
12/7/2008		<0.005	<0.005	<0.005
7/9/2009		<0.005	<0.005	<0.005
12/29/2009			<0.005	<0.005
12/30/2009		<0.005		
6/22/2010		<0.005	<0.005	<0.005
1/4/2011		<0.005	<0.005	
1/5/2011				<0.005
7/9/2011			<0.005	<0.005
7/10/2011		<0.005		
1/21/2012		<0.005	<0.005	<0.005
7/11/2012		<0.005	<0.005	<0.005
1/19/2013			<0.005	<0.005
1/20/2013		<0.005		
7/18/2013			<0.005	<0.005
7/19/2013		<0.005		
1/15/2014			<0.005	<0.005
1/16/2014		<0.005		
7/10/2014		<0.005	<0.005	<0.005
1/15/2015			<0.005	
1/16/2015		<0.005		<0.005
6/19/2015			<0.005	
6/20/2015		<0.005		<0.005
1/14/2016		<0.005	<0.005	<0.005
4/19/2016				<0.005
4/20/2016		<0.005	<0.005	
6/14/2016		<0.005	<0.005	
6/15/2016				<0.005
6/16/2016	<0.005			
8/9/2016			<0.005	
8/10/2016	<0.005			<0.005
8/11/2016		<0.005		
9/27/2016		<0.005	<0.005	<0.005
9/28/2016	<0.005			
11/14/2016		<0.005		
11/15/2016			<0.005	<0.005
11/16/2016	<0.005			
1/10/2017		<0.005		
1/11/2017			<0.005	
1/13/2017				<0.005
1/17/2017	<0.005			
1/19/2017			0.0006 (J)	

Time Series

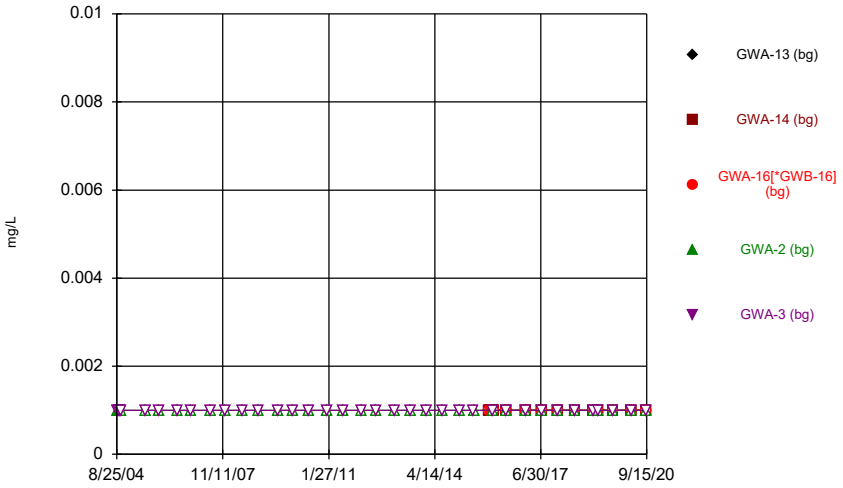
Constituent: Selenium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
1/24/2017			0.025	
2/28/2017		0.0024	<0.005	
3/1/2017				<0.005
3/2/2017	<0.005			
4/20/2017		<0.005	<0.005	
4/24/2017				<0.005
4/25/2017	<0.005			
7/13/2017	<0.005			
7/18/2017		0.00026 (J)	<0.005	
7/24/2017				<0.005
7/25/2017	<0.005			
1/10/2018		0.00069 (J)	<0.005	
1/12/2018	<0.005			<0.005
7/11/2018		<0.005	<0.005	
7/12/2018	<0.005			<0.005
1/29/2019		<0.005	<0.005	
1/30/2019	<0.005			<0.005
3/26/2019		<0.005	<0.005	
3/27/2019	<0.005			<0.005
9/10/2019		<0.005	<0.005	
9/11/2019	<0.005			<0.005
3/31/2020		<0.005	<0.005	
4/1/2020	<0.005			<0.005
9/15/2020	<0.005		<0.005	
9/16/2020		<0.005		<0.005

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

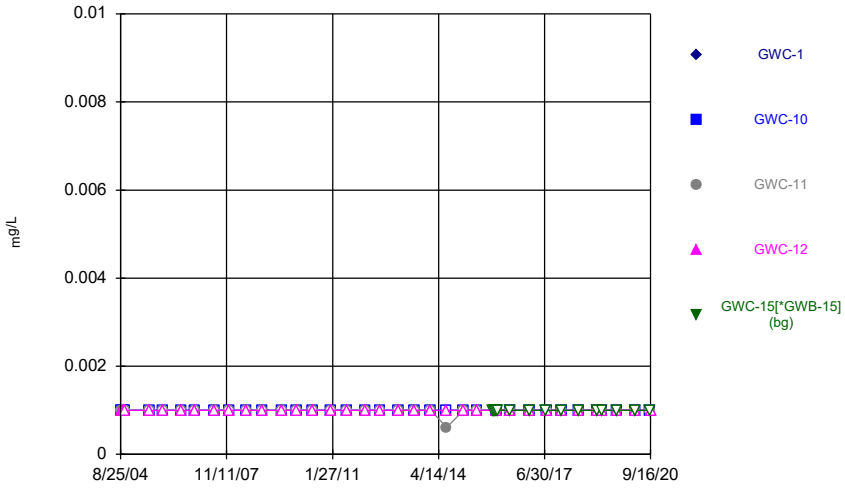
Time Series



Constituent: Silver Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

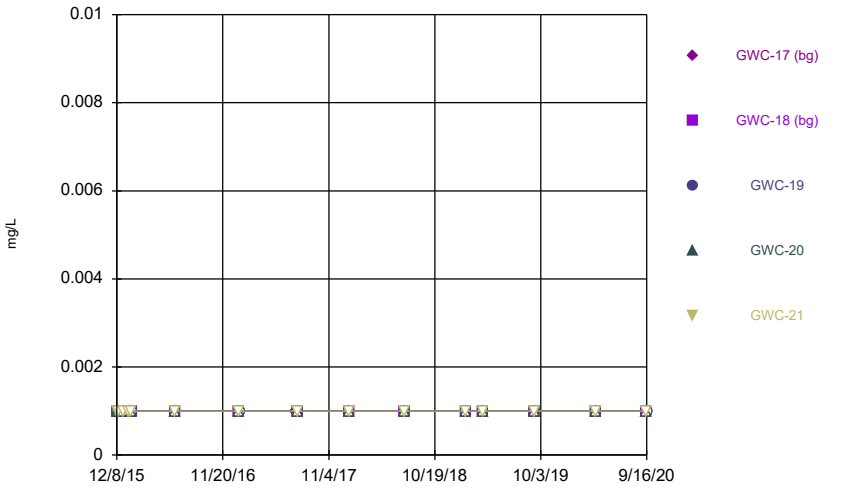
Time Series



Constituent: Silver Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

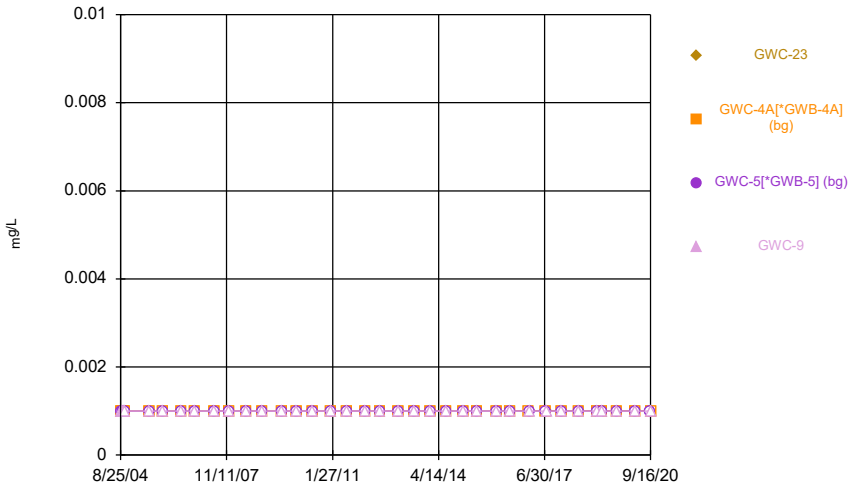
Time Series



Constituent: Silver Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Silver Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Silver (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					<0.001
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		

Time Series

Constituent: Silver (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.001	<0.001
9/10/2019	<0.001	<0.001	<0.001		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		0.00061 (J)	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	<0.001	<0.001		
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			<0.001		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
6/15/2016	<0.001		<0.001	<0.001	<0.001
6/16/2016		<0.001			
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001		<0.001	<0.001
4/2/2020			<0.001		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	

Time Series

Constituent: Silver (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	<0.001	<0.001		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	<0.001		<0.001	<0.001
12/15/2015			<0.001		
12/28/2015	<0.001	<0.001	<0.001		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		<0.001	<0.001	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	<0.001	<0.001		
6/15/2016	<0.001				
6/16/2016		<0.001	<0.001	<0.001	<0.001
1/11/2017	<0.001	<0.001			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
7/19/2017	<0.001				
7/25/2017		<0.001	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		<0.001	<0.001	<0.001	
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		<0.001			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	<0.001	<0.001	<0.001	<0.001
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			<0.001		

Time Series

Constituent: Silver (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	<0.001
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		<0.001		<0.001
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
6/14/2016		<0.001	<0.001	
6/15/2016				<0.001
6/16/2016	<0.001			
1/10/2017		<0.001		
1/11/2017			<0.001	
1/13/2017				<0.001
1/17/2017	<0.001			
7/18/2017		<0.001	<0.001	
7/24/2017				<0.001
7/25/2017	<0.001			
1/10/2018		<0.001	<0.001	
1/12/2018	<0.001			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	<0.001			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	<0.001			<0.001
3/26/2019		<0.001	<0.001	
3/27/2019	<0.001			<0.001

Time Series

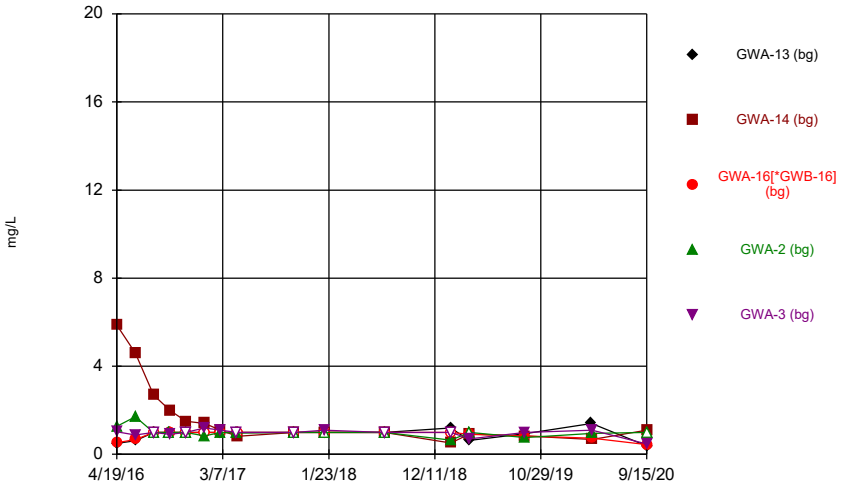
Constituent: Silver (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		<0.001	<0.001	
9/11/2019	<0.001			<0.001
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001
9/15/2020	<0.001		<0.001	
9/16/2020		<0.001		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

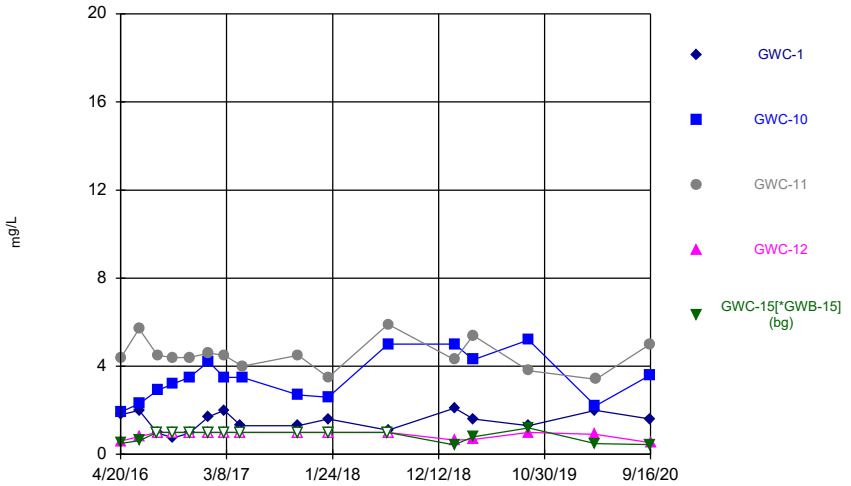
Time Series



Constituent: Sulfate Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

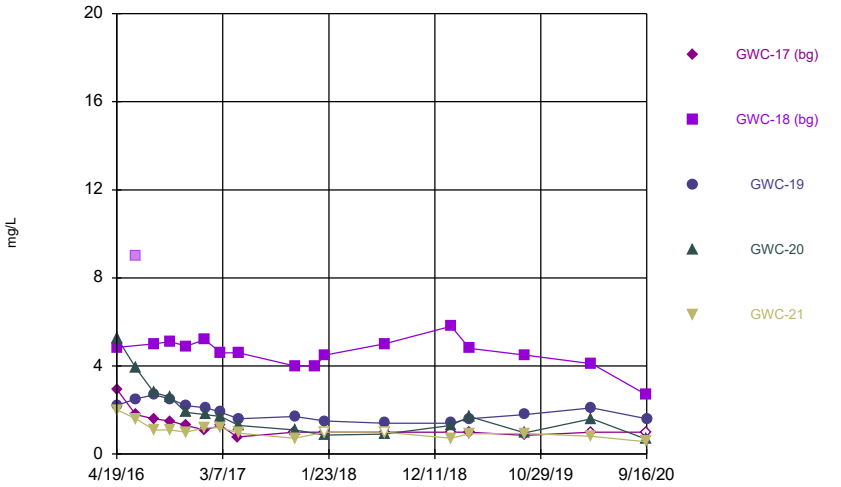
Time Series



Constituent: Sulfate Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

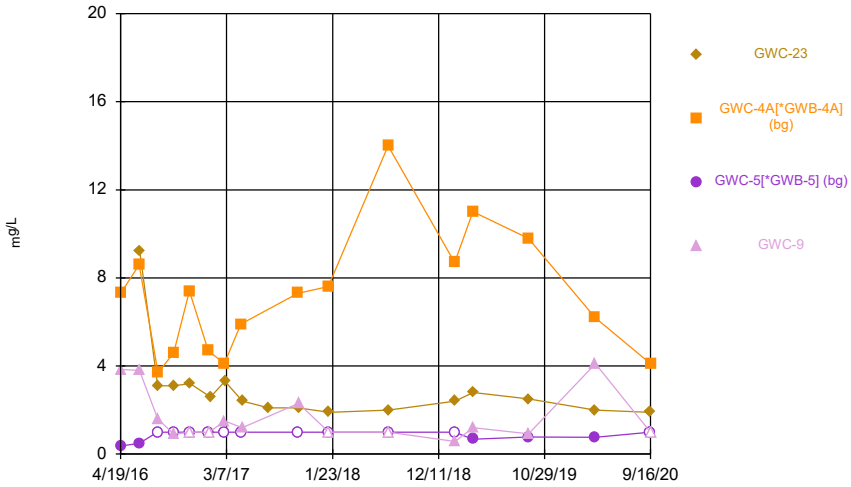
Time Series



Constituent: Sulfate Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Sulfate Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				1.27	1.03
4/20/2016	0.496 (J)	5.85	0.53 (J)		
6/14/2016	0.62 (J)	4.6		1.7	0.88 (J)
6/15/2016			0.67 (J)		
8/9/2016	<1	2.7	<1	<1	<1
9/26/2016				<1	
9/27/2016	<1	2	<1		0.9 (J)
11/14/2016					<1
11/15/2016	<1	1.5	<1	<1	
1/10/2017				0.83 (J)	1.2
1/11/2017		1.4	<1		
1/12/2017	<1				
2/28/2017	<1	1.1		0.99 (J)	1.1
3/1/2017			<1		
4/19/2017				0.97 (J)	<1
4/20/2017	<1	0.82 (J)	<1		
10/10/2017				<1	
10/11/2017	<1	<1	<1		<1
1/10/2018	<1			<1	1.1
1/11/2018		<1	<1		
7/11/2018	<1	<1	<1	<1	<1
1/29/2019	1.2	0.52 (J)	<1	0.64 (J)	<1
3/26/2019	0.63	0.92	0.9		
3/27/2019				<1	0.7
9/10/2019	0.93 (J)	0.83 (J)	0.83 (J)		
9/11/2019				0.76 (J)	1
3/31/2020	1.4				
4/1/2020		0.67 (J)	0.73 (J)	0.95 (J)	1.1
9/15/2020	0.38 (J)	1.1	0.44 (J)	<1	0.47 (J)

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	1.79		4.37	0.601 (J)	
4/21/2016		1.93			0.503 (J)
6/15/2016	2		5.7	0.8 (J)	0.62 (J)
6/16/2016		2.3			
8/9/2016					<1
8/10/2016	0.96 (J)	2.9	4.5	<1	
9/27/2016	0.75 (J)	3.2	4.4	<1	<1
11/15/2016	0.97 (J)	3.5	4.4	<1	<1
1/11/2017					<1
1/12/2017	1.7	4.2	4.6	<1	
2/28/2017					<1
3/1/2017	2	3.5	4.5	<1	
4/20/2017	1.3			<1	<1
4/24/2017		3.5	4		
10/11/2017	1.3		4.5		<1
10/12/2017		2.7		<1	
1/11/2018	1.6	2.6	3.5	<1	<1
7/11/2018					<1
7/12/2018	1.1	5	5.9	<1	
1/29/2019					0.43 (J)
1/30/2019	2.1	5	4.3	0.65 (J)	
3/26/2019					0.79
3/27/2019	1.6	4.3	5.4	0.67	
9/11/2019	1.3	5.2	3.8	1	1.2
4/1/2020	2	2.2		0.91 (J)	0.49 (J)
4/2/2020			3.4		
9/15/2020	1.6	3.6	5		0.44 (J)
9/16/2020				0.53 (J)	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		4.84	2.21		
4/20/2016	2.93				
4/21/2016				5.25	1.99
6/15/2016	1.8				
6/16/2016		9 (O)	2.5	3.9	1.6
8/9/2016	1.6				
8/10/2016			2.7	2.8	1.1
8/11/2016		5			
9/27/2016	1.5			2.6	1.1
9/28/2016		5.1	2.5		
11/15/2016	1.3		2.2	1.9	1
11/16/2016		4.9			
1/11/2017	1.1	5.2			
1/12/2017					1.2
1/13/2017				1.8	
1/16/2017			2.1		
3/1/2017	1.3	4.6	1.9	1.7	1.2
4/20/2017	0.77 (J)				
4/24/2017					0.95 (J)
4/25/2017		4.6	1.6	1.3	
10/11/2017	<1				
10/12/2017		4	1.7	1.1	0.72 (J)
12/13/2017		4			
1/11/2018	<1				<1
1/12/2018		4.5	1.5	0.86 (J)	
7/11/2018	<1	5	1.4	0.9 (J)	<1
1/29/2019	<1		1.4	1.3	
1/30/2019		5.8			0.72 (J)
3/27/2019	<1	4.8	1.6	1.7	0.92
9/11/2019	0.85 (J)	4.5	1.8	0.97 (J)	0.94 (J)
4/1/2020	<1	4.1	2.1	1.6	0.81 (J)
9/15/2020	<1	2.7		0.67 (J)	0.56 (J)
9/16/2020			1.6		

Time Series

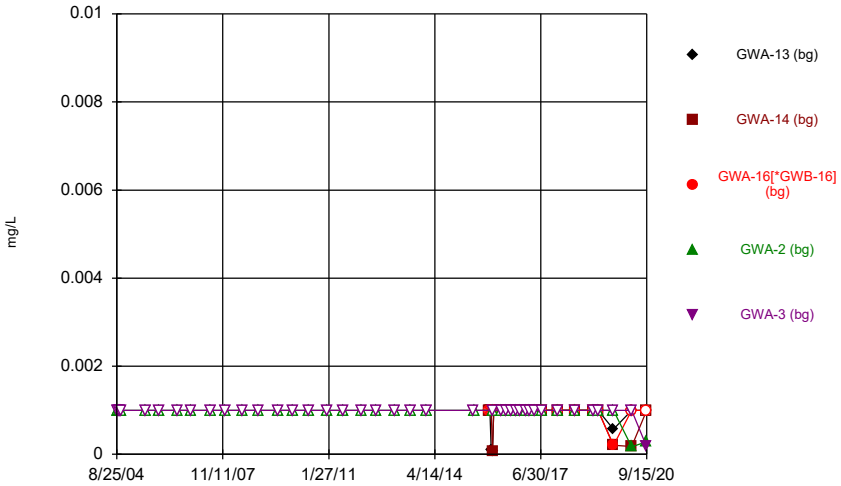
Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				3.84
4/20/2016		7.31	0.367 (J)	
6/14/2016		8.6	0.48 (J)	
6/15/2016				3.8
6/16/2016	9.2			
8/9/2016			<1	
8/10/2016	3.1			1.6
8/11/2016		3.7		
9/27/2016		4.6	<1	0.91 (J)
9/28/2016	3.1			
11/14/2016		7.4		
11/15/2016			<1	<1
11/16/2016	3.2			
1/10/2017		4.7		
1/11/2017			<1	
1/13/2017				<1
1/17/2017	2.6			
2/28/2017		4.1	<1	
3/1/2017				1.5
3/2/2017	3.3			
4/20/2017		5.9	<1	
4/24/2017				1.2
4/25/2017	2.4			
7/13/2017	2.1			
10/10/2017		7.3		
10/11/2017			<1	
10/12/2017	2.1			2.3
1/10/2018		7.6	<1	
1/12/2018	1.9			<1
7/11/2018		14	<1	
7/12/2018	2			<1
1/29/2019		8.7	<1	
1/30/2019	2.4			0.58 (J)
3/26/2019		11	0.68	
3/27/2019	2.8			1.2
9/10/2019		9.8	0.77 (J)	
9/11/2019	2.5			0.92 (J)
3/31/2020		6.2	0.76 (J)	
4/1/2020	2			4.1
9/15/2020	1.9		<1	
9/16/2020		4.1		<1

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

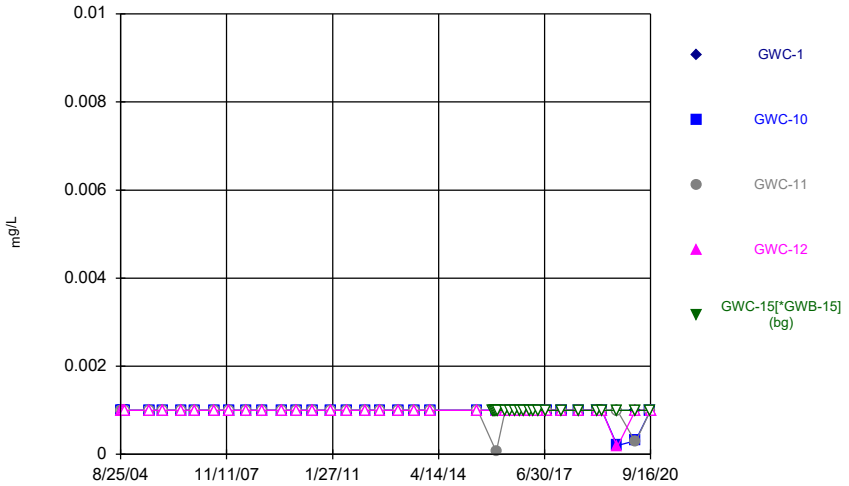
Time Series



Constituent: Thallium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

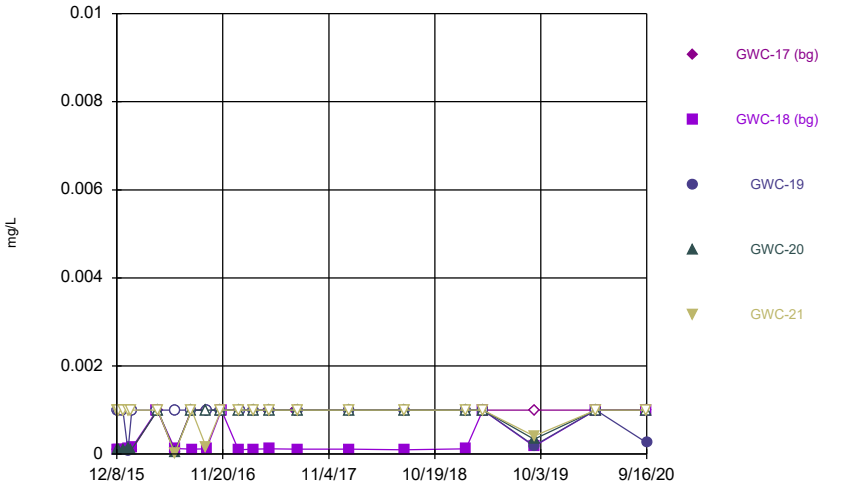
Time Series



Constituent: Thallium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

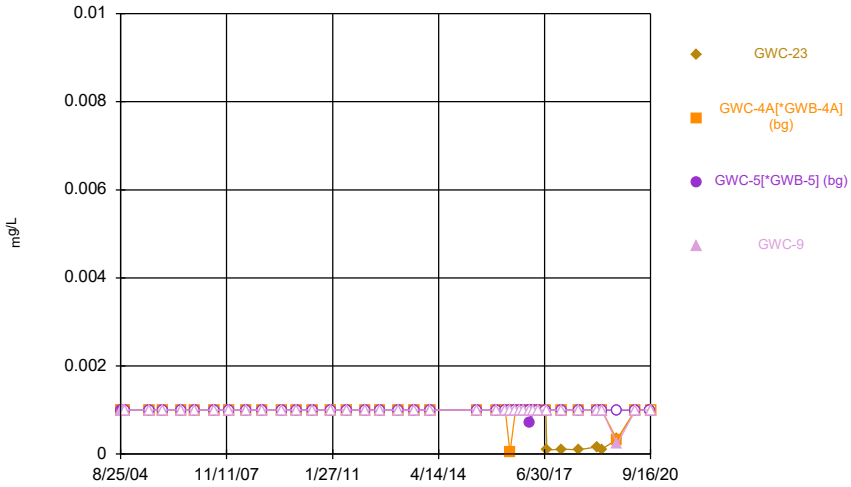
Time Series



Constituent: Thallium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Thallium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	<0.001
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	<0.001
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	<0.001
7/9/2011				<0.001	<0.001
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				<0.001	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	0.0001 (J)	<0.001			
1/13/2016	6E-05 (J)	7.9E-05 (J)	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
4/19/2016				<0.001	<0.001
4/20/2016	<0.001	<0.001	<0.001		
6/14/2016	<0.001	<0.001		<0.001	<0.001
6/15/2016			<0.001		
8/9/2016	<0.001	<0.001	<0.001	<0.001	<0.001
9/26/2016				<0.001	
9/27/2016	<0.001	<0.001	<0.001		<0.001
11/14/2016					<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	
1/10/2017				<0.001	<0.001
1/11/2017		<0.001	<0.001		
1/12/2017	<0.001				
2/28/2017	<0.001	<0.001		<0.001	<0.001
3/1/2017			<0.001		
4/19/2017				<0.001	<0.001
4/20/2017	<0.001	<0.001	<0.001		
7/17/2017				<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	<0.001		
3/27/2019				<0.001	<0.001
9/10/2019	0.00057 (J)	0.00021 (J)	0.0002 (J)		
9/11/2019				<0.001	<0.001
3/31/2020	<0.001				
4/1/2020		0.00018 (J)	<0.001	0.00017 (J)	<0.001
9/15/2020	<0.001	<0.001	<0.001	0.00029 (J)	0.00017 (J)

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004	<0.001	<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	<0.001	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	<0.001	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	<0.001	<0.001	<0.001	<0.001	
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013		<0.001		<0.001	
7/19/2013	<0.001		<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
6/19/2015				<0.001	
6/20/2015	<0.001	<0.001	<0.001		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			6.1E-05 (J)		
1/16/2016	<0.001	<0.001		<0.001	
1/25/2016					<0.001
4/20/2016	<0.001		<0.001	<0.001	
4/21/2016		<0.001			<0.001
6/15/2016	<0.001		<0.001	<0.001	<0.001
6/16/2016		<0.001			
8/9/2016					<0.001
8/10/2016	<0.001	<0.001	<0.001	<0.001	
9/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001
11/15/2016	<0.001	<0.001	<0.001	<0.001	<0.001
1/11/2017					<0.001
1/12/2017	<0.001	<0.001	<0.001	<0.001	
1/23/2017	<0.001				
2/28/2017					<0.001
3/1/2017	<0.001	<0.001	<0.001	<0.001	
4/20/2017	<0.001			<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/24/2017		<0.001	<0.001		
7/19/2017	<0.001				<0.001
7/20/2017				<0.001	
7/24/2017		<0.001	<0.001		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	<0.001	<0.001	<0.001	
3/26/2019					<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	
9/11/2019	<0.001	0.0002 (J)	<0.001	0.00017 (J)	<0.001
4/1/2020	<0.001	0.00031 (J)		<0.001	<0.001
4/2/2020			0.00028 (J)		
9/15/2020	<0.001	<0.001	<0.001		<0.001
9/16/2020				<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0001 (J)	0.0001 (J)	<0.001		
12/9/2015				0.0001 (J)	<0.001
12/14/2015	9E-05 (J)	0.0001 (J)		9E-05 (J)	<0.001
12/15/2015			<0.001		
12/28/2015	9E-05 (J)	0.0001 (J)	<0.001		
12/29/2015				0.0001 (J)	<0.001
1/13/2016	0.0001 (J)				
1/14/2016		0.000137 (J)	7.9E-05 (J)	0.000118 (J)	<0.001
1/25/2016				0.000102 (J)	<0.001
1/26/2016	9.5E-05 (J)	0.000142 (J)	<0.001		
4/19/2016		<0.001	<0.001		
4/20/2016	<0.001				
4/21/2016				<0.001	<0.001
6/15/2016	3.8E-05 (J)				
6/16/2016		0.00013 (J)	<0.001	5.2E-05 (J)	2.7E-05 (J)
8/9/2016	<0.001				
8/10/2016			<0.001	<0.001	<0.001
8/11/2016		0.00011 (J)			
9/27/2016	<0.001			<0.001	0.00016 (J)
9/28/2016		0.00012 (J)	<0.001		
11/15/2016	<0.001		<0.001	<0.001	<0.001
11/16/2016		<0.001			
1/11/2017	<0.001	9.5E-05 (J)			
1/12/2017					<0.001
1/13/2017				<0.001	
1/16/2017			<0.001		
3/1/2017	<0.001	0.00011 (J)	<0.001	<0.001	<0.001
4/20/2017	<0.001				
4/24/2017					<0.001
4/25/2017		0.00012 (J)	<0.001	<0.001	
7/19/2017	<0.001				
7/25/2017		0.00011 (J)	<0.001	<0.001	<0.001
1/11/2018	<0.001				<0.001
1/12/2018		0.00011 (J)	<0.001	<0.001	
7/11/2018	<0.001	9.5E-05 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.00012 (J)			<0.001
3/27/2019	<0.001	<0.001	<0.001	<0.001	<0.001
9/11/2019	<0.001	0.00018 (J)	0.00019 (J)	0.00034 (J)	0.00041 (J)
4/1/2020	<0.001	<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001		<0.001	<0.001
9/16/2020			0.00026 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		<0.001	<0.001	<0.001
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011		<0.001	<0.001	<0.001
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
6/19/2015			<0.001	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
4/19/2016				<0.001
4/20/2016		<0.001	<0.001	
6/14/2016		3.6E-05 (J)	<0.001	
6/15/2016				<0.001
6/16/2016	<0.001			
8/9/2016			<0.001	
8/10/2016	<0.001			<0.001
8/11/2016		<0.001		
9/27/2016		<0.001	<0.001	<0.001
9/28/2016	<0.001			
11/14/2016		<0.001		
11/15/2016			<0.001	<0.001
11/16/2016	<0.001			
1/10/2017		<0.001		
1/11/2017			<0.001	
1/13/2017				<0.001
1/17/2017	<0.001			
1/19/2017			<0.001	
1/24/2017			0.00072	
2/28/2017		<0.001	<0.001	
3/1/2017				<0.001
3/2/2017	<0.001			

Time Series

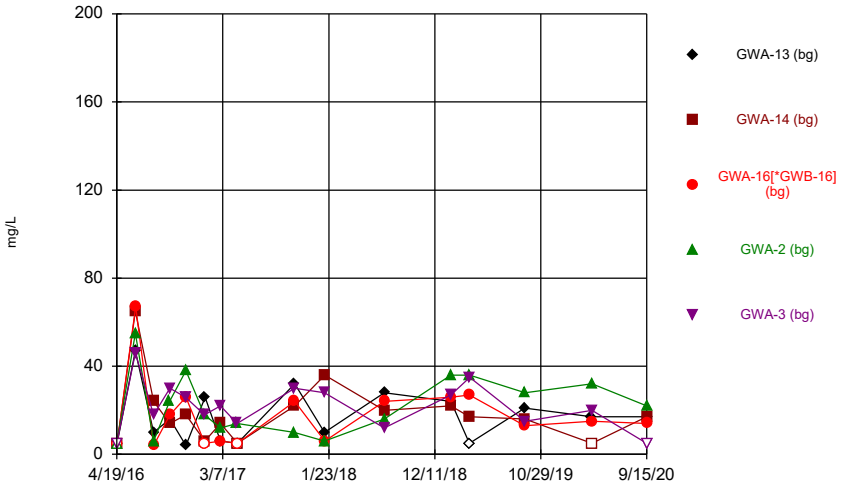
Constituent: Thallium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/20/2017		<0.001	<0.001	
4/24/2017				<0.001
4/25/2017	<0.001			
7/13/2017	<0.001			
7/18/2017		<0.001	<0.001	
7/24/2017				<0.001
7/25/2017	9E-05 (J)			
1/10/2018		<0.001	<0.001	
1/12/2018	0.00011 (J)			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	0.0001 (J)			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	0.00016 (J)			<0.001
3/26/2019		<0.001	<0.001	
3/27/2019	0.00011			<0.001
9/10/2019		0.00033 (J)	<0.001	
9/11/2019	0.00034 (J)			0.00023 (J)
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001
9/15/2020	<0.001		<0.001	
9/16/2020		<0.001		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

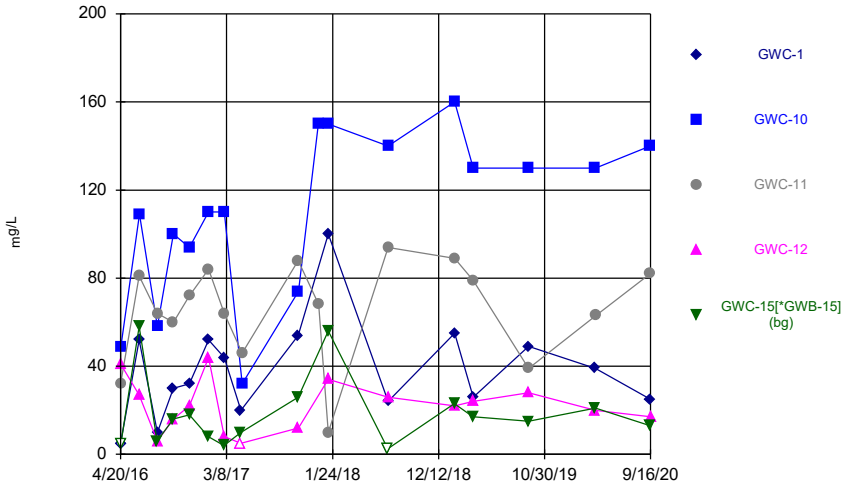
Time Series



Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

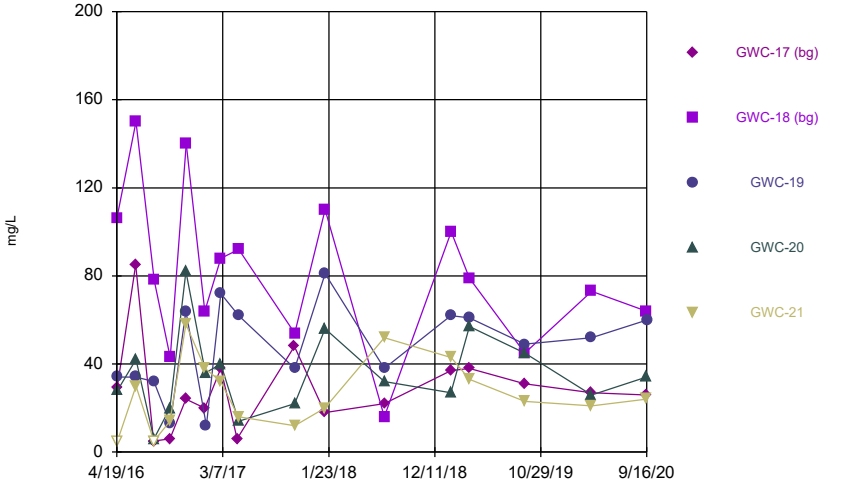
Time Series



Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

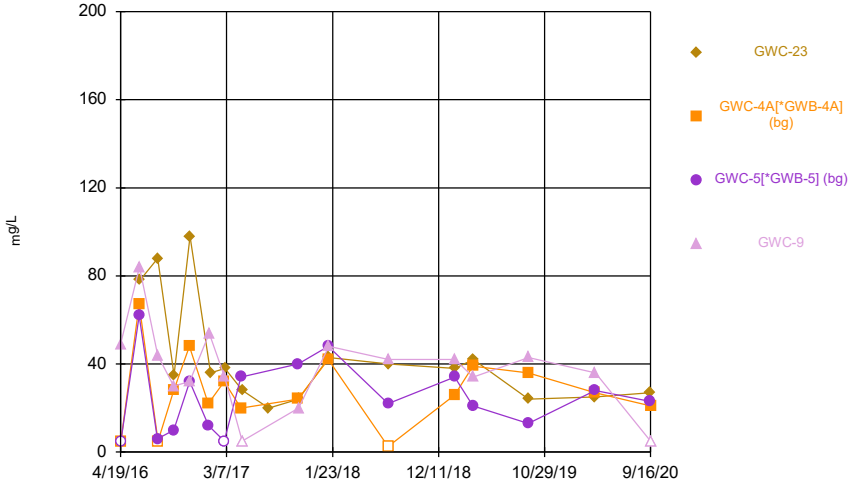
Time Series



Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
4/19/2016				<10	<10
4/20/2016	<10	<10	<10		
6/14/2016	47	65		55	46
6/15/2016			67		
8/9/2016	10	24	4 (J)	6	18
9/26/2016				24	
9/27/2016	16	14	18		30
11/14/2016					26
11/15/2016	4 (J)	18	26	38	
1/10/2017				18	18
1/11/2017		6	<10		
1/12/2017	26				
2/28/2017	6	14		12	22
3/1/2017			6		
4/19/2017				14	14
4/20/2017	<10	<10	<10		
10/10/2017				10	
10/11/2017	32	22	24		30
1/10/2018	10			6	28
1/11/2018		36	6		
7/11/2018	28 (J)	20 (J)	24 (J)	16 (J)	12 (J)
1/29/2019	24	22	26	36	27
3/26/2019	<10	17	27		
3/27/2019				36	35
9/10/2019	21	16	13		
9/11/2019				28	15
3/31/2020	17				
4/1/2020		<10	15	32	20
9/15/2020	17	17	14	22	<10

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
4/20/2016	<10		32	41	
4/21/2016		49			<10
6/15/2016	52		81	27	58
6/16/2016		109			
8/9/2016					6
8/10/2016	10	58	64	6	
9/27/2016	30	100	60	16	16
11/15/2016	32	94	72	22	18
1/11/2017					8
1/12/2017	52	110	84	44	
2/28/2017					4 (J)
3/1/2017	44	110	64	8	
4/20/2017	20			<10	10
4/24/2017		32	46		
10/11/2017	54		88		26
10/12/2017		74		12	
12/12/2017		150			
12/13/2017			68		
1/11/2018	100	150	10	34	56
7/11/2018					<5 (J)
7/12/2018	24 (J)	140 (J)	94 (J)	26 (J)	
1/29/2019					23
1/30/2019	55 (J)	160 (J)	89 (J)	22 (J)	
3/26/2019					17
3/27/2019	26	130	79	24	
9/11/2019	49	130	39	28	15
4/1/2020	39	130		20	21
4/2/2020			63		
9/15/2020	25	140	82		13
9/16/2020				17	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
4/19/2016		106	34		
4/20/2016	29				
4/21/2016				28	<10
6/15/2016	85				
6/16/2016		150	34	42	30
8/9/2016	<10				
8/10/2016			32	6	<10
8/11/2016		78			
9/27/2016	6			20	14
9/28/2016		43	13		
11/15/2016	24		64	82	58
11/16/2016		140			
1/11/2017	20	64			
1/12/2017					38
1/13/2017				36	
1/16/2017			12		
3/1/2017	38	88	72	40	32
4/20/2017	6				
4/24/2017					16
4/25/2017		92	62	14	
10/11/2017	48				
10/12/2017		54	38	22	12
1/11/2018	18				20
1/12/2018		110	81	56	
7/11/2018	22 (J)	16 (J)	38 (J)	32 (J)	52 (J)
1/29/2019	37		62	27	
1/30/2019		100 (J)			43 (J)
3/27/2019	38	79	61	57	33
9/11/2019	31	45	49	45	23
4/1/2020	27	73	52	26	21
9/15/2020	26	64		34	24
9/16/2020			60		

Time Series

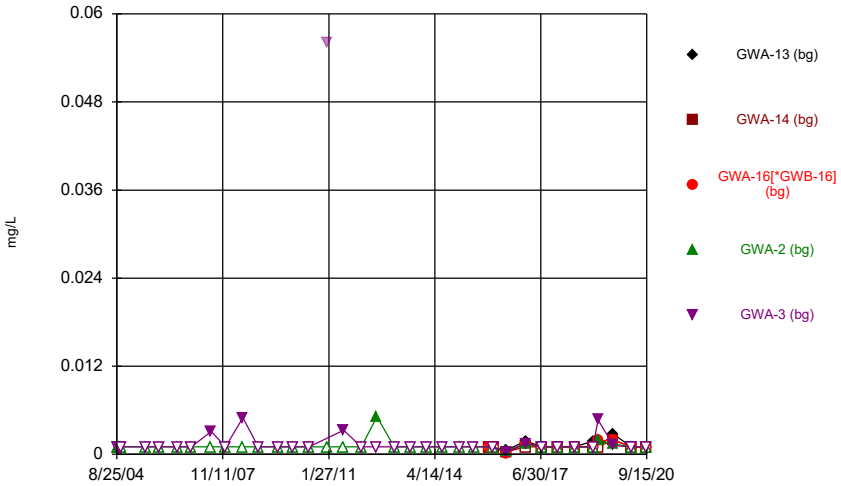
Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
4/19/2016				49
4/20/2016		<10	<10	
6/14/2016		67	62	
6/15/2016				84
6/16/2016	78			
8/9/2016			6	
8/10/2016	88			44
8/11/2016		<10		
9/27/2016		28	10	30
9/28/2016	35			
11/14/2016		48		
11/15/2016			32	32
11/16/2016	98			
1/10/2017		22		
1/11/2017			12	
1/13/2017				54
1/17/2017	36			
2/28/2017		32	<10	
3/1/2017				34
3/2/2017	38			
4/20/2017		20	34	
4/24/2017				<10
4/25/2017	28			
7/13/2017	20			
10/10/2017		24		
10/11/2017			40	
10/12/2017	24			20
1/10/2018		42	48	
1/12/2018	43			48
7/11/2018		<5 (J)	22 (J)	
7/12/2018	40			42 (J)
1/29/2019		26	34	
1/30/2019	38 (J)			42 (J)
3/26/2019		39	21	
3/27/2019	42			34
9/10/2019		36	13	
9/11/2019	24			43
3/31/2020		27	28	
4/1/2020	25			36
9/15/2020	27		23	
9/16/2020		21		<10

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

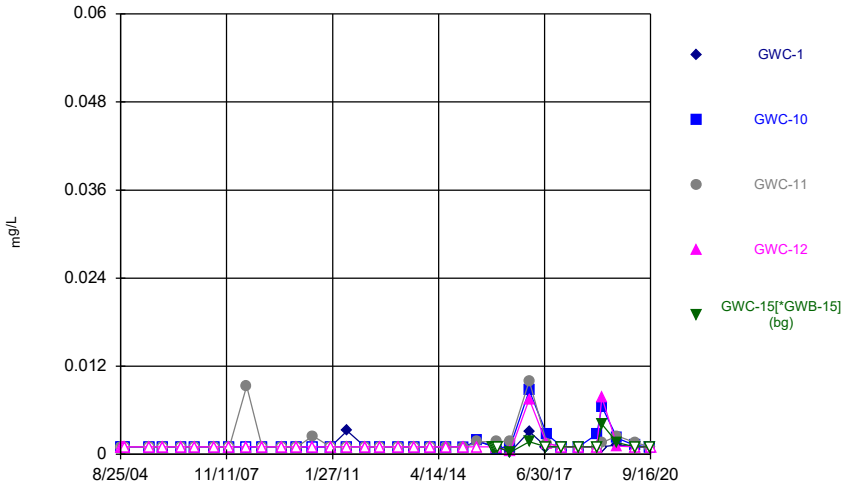
Time Series



Constituent: Vanadium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

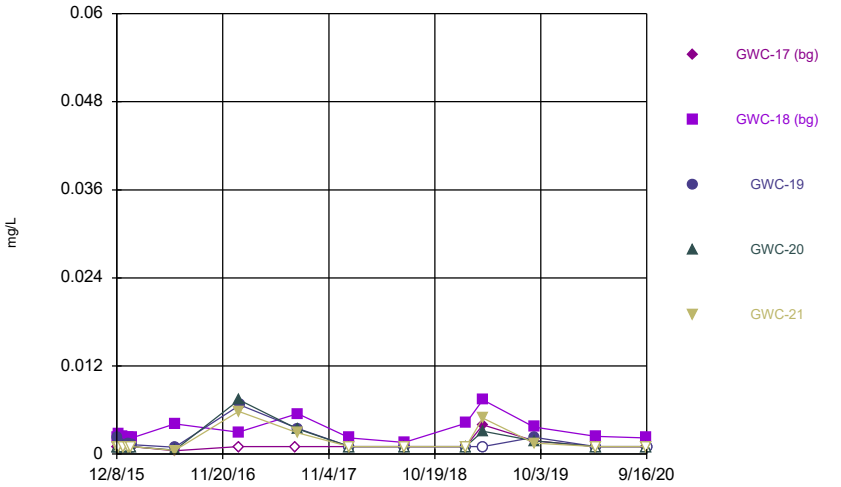
Time Series



Constituent: Vanadium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

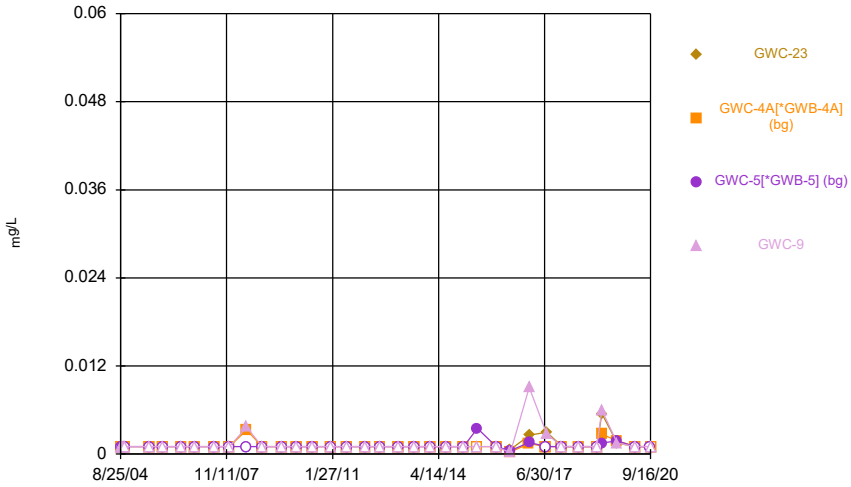
Time Series



Constituent: Vanadium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Vanadium Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				<0.001	<0.001
9/11/2004				<0.001	<0.001
9/26/2004				<0.001	<0.001
10/13/2004				<0.001	<0.001
7/11/2005				<0.001	<0.001
12/7/2005				<0.001	<0.001
6/22/2006				<0.001	<0.001
11/28/2006				<0.001	<0.001
7/6/2007				<0.001	0.0031
12/13/2007				<0.001	<0.001
6/20/2008				<0.001	0.005
12/7/2008				<0.001	<0.001
7/9/2009				<0.001	<0.001
12/28/2009				<0.001	<0.001
6/22/2010				<0.001	<0.001
1/4/2011				<0.001	
1/5/2011					0.056 (O)
7/9/2011				<0.001	0.0033
1/20/2012					<0.001
1/21/2012				<0.001	
7/11/2012				0.0051	<0.001
1/19/2013					<0.001
1/20/2013				<0.001	
7/18/2013					<0.001
7/19/2013				<0.001	
1/15/2014				<0.001	<0.001
7/11/2014				<0.001	<0.001
1/15/2015					<0.001
1/16/2015				<0.001	
6/19/2015					<0.001
6/20/2015				<0.001	
12/7/2015	<0.001	<0.001	<0.001		
12/14/2015			<0.001		
12/15/2015	<0.001	<0.001			
12/28/2015			<0.001		
12/29/2015	<0.001	<0.001			
1/13/2016	<0.001	<0.001	<0.001		
1/16/2016				<0.001	<0.001
1/25/2016	<0.001	<0.001	<0.001		
6/14/2016	0.00055 (J)	0.00033 (J)		0.00044 (J)	0.00027 (J)
6/15/2016			0.00015 (J)		
1/10/2017				0.0014 (J)	0.0015 (J)
1/11/2017		<0.001	0.0015 (J)		
1/12/2017	0.0018 (J)				
7/17/2017				<0.001	
7/18/2017	<0.001				<0.001
7/19/2017		<0.001	<0.001		
1/10/2018	<0.001			<0.001	<0.001
1/11/2018		<0.001	<0.001		
7/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
1/29/2019	0.0018 (J)	<0.001	<0.001	<0.001	<0.001
3/26/2019	<0.001	<0.001	0.0019		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				0.0019	0.0047
9/10/2019	0.0027	0.002	0.0019		
9/11/2019				0.0014	0.0012
3/31/2020	<0.001				
4/1/2020		<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	<0.001	<0.001	<0.001	<0.001	
9/11/2004	<0.001	<0.001	<0.001	<0.001	
9/26/2004	<0.001	<0.001	<0.001	<0.001	
10/13/2004		<0.001	<0.001	<0.001	
7/11/2005	<0.001	<0.001	<0.001	<0.001	
12/7/2005	<0.001	<0.001	<0.001	<0.001	
6/22/2006	<0.001	<0.001	<0.001	<0.001	
11/28/2006	<0.001	<0.001	<0.001	<0.001	
7/6/2007	<0.001	<0.001	<0.001	<0.001	
12/13/2007	<0.001	<0.001	<0.001	<0.001	
6/20/2008	<0.001	<0.001	0.0093	<0.001	
12/7/2008	<0.001	<0.001	<0.001	<0.001	
7/9/2009	<0.001				
7/10/2009		<0.001	<0.001	<0.001	
12/28/2009	<0.001			<0.001	
12/29/2009		<0.001	<0.001		
6/22/2010	<0.001	<0.001	0.0025	<0.001	
1/4/2011	<0.001	<0.001		<0.001	
1/5/2011			<0.001		
7/9/2011	0.0032		<0.001	<0.001	
7/10/2011		<0.001			
1/20/2012				<0.001	
1/21/2012	<0.001	<0.001	<0.001		
7/11/2012	<0.001	<0.001	<0.001	<0.001	
1/19/2013			<0.001	<0.001	
1/20/2013	<0.001	<0.001			
7/18/2013				<0.001	
7/19/2013	<0.001	<0.001	<0.001		
1/15/2014	<0.001		<0.001	<0.001	
1/16/2014		<0.001			
7/10/2014		<0.001			
7/11/2014	<0.001		0.001 (J)	<0.001	
1/15/2015				<0.001	
1/16/2015	<0.001	0.00098 (J)	0.00089 (J)		
6/19/2015				<0.001	
6/20/2015	0.0017 (J)	0.0019 (J)	0.0017 (J)		
12/7/2015					<0.001
12/15/2015					<0.001
12/28/2015					<0.001
1/13/2016					<0.001
1/14/2016			0.0017 (J)		
1/16/2016	<0.001	0.0008 (J)		<0.001	
1/25/2016					<0.001
6/15/2016	0.00031 (J)		0.0018 (J)	0.0004 (J)	0.0003 (J)
6/16/2016		0.0011 (J)			
1/11/2017					0.0017 (J)
1/12/2017	0.0031	0.0087	0.01	0.0075	
7/19/2017	<0.001				<0.001
7/20/2017				0.0015 (J)	
7/24/2017		0.0027	0.0015 (J)		
1/11/2018	<0.001	<0.001	<0.001	<0.001	<0.001
7/11/2018					<0.001

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.001	<0.001	<0.001	<0.001	
1/29/2019					<0.001
1/30/2019	<0.001	0.0027 (J)	<0.001	<0.001	
3/26/2019					0.0041
3/27/2019	<0.001	0.0065	0.0016	0.0078	
9/11/2019	0.0013	0.0022	0.0025	0.0011	0.0016
4/1/2020	<0.001	0.0012		<0.001	<0.001
4/2/2020			0.0016		
9/15/2020	<0.001	<0.001	0.001		<0.001
9/16/2020				<0.001	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	<0.001	0.0023 (J)	0.0023 (J)		
12/9/2015				<0.001	<0.001
12/14/2015	<0.001	0.0028 (J)		<0.001	<0.001
12/15/2015			0.0016 (J)		
12/28/2015	<0.001	0.0024 (J)	0.0013 (J)		
12/29/2015				<0.001	<0.001
1/13/2016	<0.001				
1/14/2016		0.0022 (J)	0.0014 (J)	<0.001	<0.001
1/25/2016				<0.001	<0.001
1/26/2016	<0.001	0.0022 (J)	0.0013 (J)		
6/15/2016	0.00047 (J)				
6/16/2016		0.0041 (J)	0.00092 (J)	0.00054 (J)	0.00048 (J)
1/11/2017	<0.001	0.003			
1/12/2017					0.0058
1/13/2017				0.0074	
1/16/2017			0.0067		
7/19/2017	<0.001				
7/25/2017		0.0055	0.0035	0.0034	0.0029
1/11/2018	<0.001				<0.001
1/12/2018		0.0022 (J)	<0.001	<0.001	
7/11/2018	<0.001	0.0016 (J)	<0.001	<0.001	<0.001
1/29/2019	<0.001		<0.001	<0.001	
1/30/2019		0.0042 (J)			<0.001
3/27/2019	0.004	0.0074	<0.001	0.0031	0.0049
9/11/2019	0.0018	0.0037	0.0023	0.0018	0.0015
4/1/2020	<0.001	0.0024	<0.001	<0.001	<0.001
9/15/2020	<0.001	0.0022		<0.001	<0.001
9/16/2020			<0.001		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.001	<0.001	<0.001
9/11/2004		<0.001	<0.001	<0.001
9/26/2004		<0.001	<0.001	<0.001
10/13/2004		<0.001	<0.001	<0.001
7/11/2005		<0.001	<0.001	<0.001
12/7/2005		<0.001	<0.001	<0.001
6/22/2006		<0.001	<0.001	<0.001
11/28/2006		<0.001	<0.001	<0.001
7/6/2007		<0.001	<0.001	<0.001
12/13/2007		<0.001	<0.001	<0.001
6/20/2008		0.0033	<0.001	0.0037
12/7/2008		<0.001	<0.001	<0.001
7/9/2009		<0.001	<0.001	<0.001
12/29/2009			<0.001	<0.001
12/30/2009		<0.001		
6/22/2010		<0.001	<0.001	<0.001
1/4/2011		<0.001	<0.001	
1/5/2011				<0.001
7/9/2011			<0.001	<0.001
7/10/2011		<0.001		
1/21/2012		<0.001	<0.001	<0.001
7/11/2012		<0.001	<0.001	<0.001
1/19/2013			<0.001	<0.001
1/20/2013		<0.001		
7/18/2013			<0.001	<0.001
7/19/2013		<0.001		
1/15/2014			<0.001	<0.001
1/16/2014		<0.001		
7/10/2014		<0.001	<0.001	<0.001
1/15/2015			<0.001	
1/16/2015		<0.001		<0.001
6/19/2015			0.0035 (J)	
6/20/2015		<0.001		<0.001
1/14/2016		<0.001	<0.001	<0.001
6/14/2016		0.00028 (J)	0.00047 (J)	
6/15/2016				0.00019 (J)
6/16/2016	0.00063 (J)			
1/10/2017		0.0014 (J)		
1/11/2017			0.0016 (J)	
1/13/2017				0.0091
1/17/2017	0.0026			
7/18/2017		<0.001	<0.001	
7/24/2017				0.0027
7/25/2017	0.003			
1/10/2018		<0.001	<0.001	
1/12/2018	<0.001			<0.001
7/11/2018		<0.001	<0.001	
7/12/2018	<0.001			<0.001
1/29/2019		<0.001	<0.001	
1/30/2019	<0.001			<0.001
3/26/2019		0.0027	0.0015	
3/27/2019	0.0055			0.006

Time Series

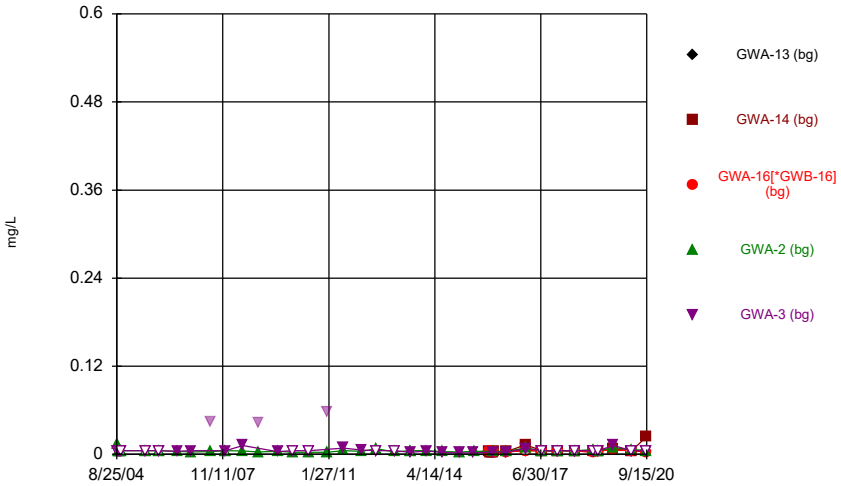
Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.0018	0.0018	
9/11/2019	0.0015			0.0015
3/31/2020		<0.001	<0.001	
4/1/2020	<0.001			<0.001
9/15/2020	<0.001		<0.001	
9/16/2020		<0.001		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

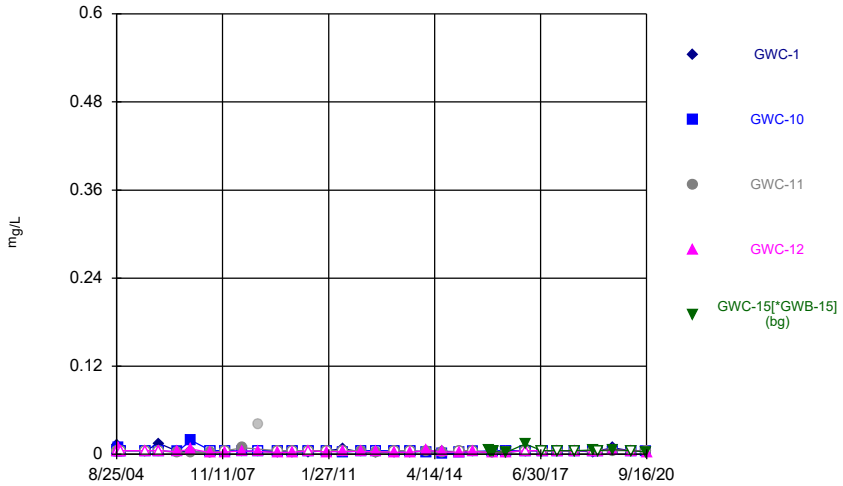
Time Series



Constituent: Zinc Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

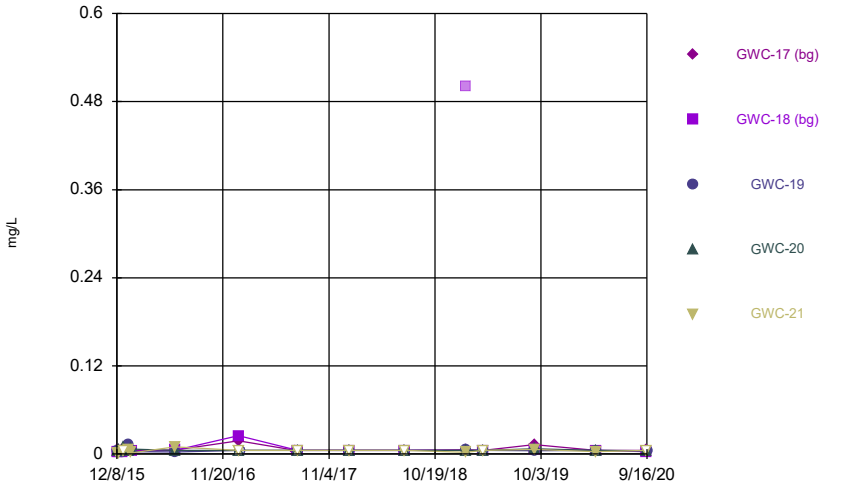
Time Series



Constituent: Zinc Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

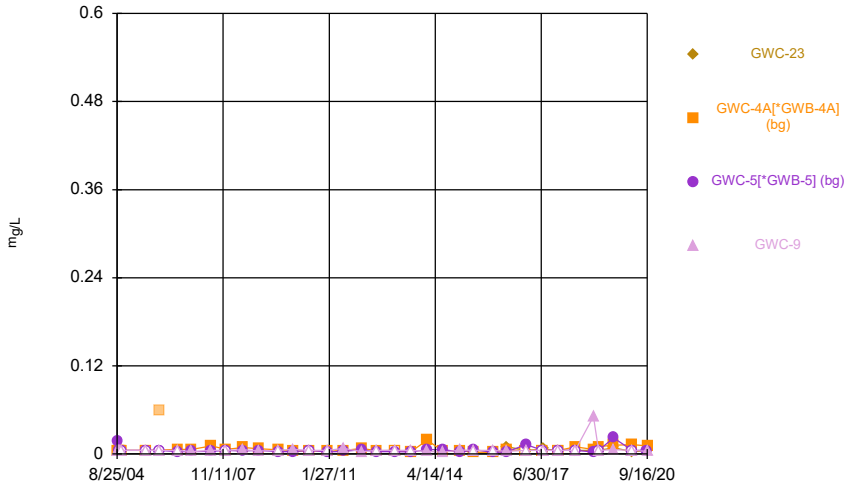
Time Series



Constituent: Zinc Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 11/18/2020 9:30 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 9:31 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
8/25/2004				0.014	<0.005
9/11/2004				<0.005	<0.005
9/26/2004				<0.005	<0.005
10/13/2004				<0.005	<0.005
7/11/2005				<0.005	<0.005
12/7/2005				<0.005	<0.005
6/22/2006				0.0041	0.0042
11/28/2006				0.0033	0.0048
7/6/2007				0.0036	0.045 (O)
12/13/2007				<0.005	0.005
6/20/2008				0.0045	0.012
12/7/2008				0.0031	0.042 (O)
7/9/2009				0.004	0.0038
12/28/2009				0.0027	<0.005
6/22/2010				0.0028	<0.005
1/4/2011				0.0027	
1/5/2011					0.057 (O)
7/9/2011				0.0051	0.0085
1/20/2012					0.0057
1/21/2012				0.004	
7/11/2012				0.0075	<0.005
1/19/2013					<0.005
1/20/2013				0.0034	
7/18/2013					0.0028
7/19/2013				<0.005	
1/15/2014				0.0049	0.0047
7/11/2014				0.0038	0.0025
1/15/2015					0.002 (J)
1/16/2015				0.0032	
6/19/2015					0.0019 (J)
6/20/2015				0.0042	
12/7/2015	0.0034	0.0044	0.0048		
12/14/2015			0.0038		
12/15/2015	0.003	0.0031			
12/28/2015			0.0042		
12/29/2015	0.0028	0.0028			
1/13/2016	0.0025	0.0028	0.0036		
1/16/2016				0.0042	0.0033
1/25/2016	0.0022 (J)	0.0034	0.0033		
6/14/2016	0.0042 (J)	0.0036 (J)		0.0043 (J)	0.0028 (J)
6/15/2016			0.0032 (J)		
1/10/2017				0.0084 (J)	0.0079 (J)
1/11/2017		0.013 (J)	<0.005		
1/12/2017	<0.005				
7/17/2017				<0.005	
7/18/2017	<0.005				<0.005
7/19/2017		<0.005	<0.005		
1/10/2018	<0.005			<0.005	<0.005
1/11/2018		<0.005	<0.005		
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	<0.005	0.0048 (J)	0.0024 (J)	0.0064 (J)	<0.005
3/26/2019	<0.005	<0.005	<0.005		

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13 (bg)	GWA-14 (bg)	GWA-16[*GWB-1...	GWA-2 (bg)	GWA-3 (bg)
3/27/2019				<0.005	<0.005
9/10/2019	0.0061	0.0069	0.006		
9/11/2019				0.0089	0.012
3/31/2020	<0.005				
4/1/2020		<0.005	<0.005	0.0066	<0.005
9/15/2020	0.0037 (J)	0.024	0.0033 (J)	0.0049 (J)	<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
8/25/2004	0.012	<0.005	<0.005	<0.005	
9/11/2004	<0.005	0.01	<0.005	0.01	
9/26/2004	<0.005	<0.005	<0.005	<0.005	
10/13/2004		<0.005	<0.005	<0.005	
7/11/2005	<0.005	<0.005	<0.005	<0.005	
12/7/2005	0.015	<0.005	<0.005	<0.005	
6/22/2006	0.0044	0.0034	0.0025	0.0038	
11/28/2006	0.0034	0.019	0.0026	0.007	
7/6/2007	0.0029	<0.005	0.0025	0.0025	
12/13/2007	<0.005	<0.005	<0.005	0.0032	
6/20/2008	0.0035	0.0039	0.0089	0.0044	
12/7/2008	0.0036	<0.005	0.041 (O)	0.0042	
7/9/2009	0.0032				
7/10/2009		<0.005	<0.005	0.0025	
12/28/2009	0.0032			0.0027	
12/29/2009		<0.005	<0.005		
6/22/2010	0.0032	<0.005	<0.005	<0.005	
1/4/2011	<0.005	<0.005		0.0033	
1/5/2011			<0.005		
7/9/2011	0.0076		<0.005	0.0043	
7/10/2011		0.0026			
1/20/2012				0.0038	
1/21/2012	0.0034	<0.005	0.005		
7/11/2012	0.0028	<0.005	0.0025	0.0035	
1/19/2013			<0.005	0.0028	
1/20/2013	0.0032	<0.005			
7/18/2013				0.0028	
7/19/2013	0.0028	<0.005	<0.005		
1/15/2014	0.0047		0.0034	0.0053	
1/16/2014		0.0031			
7/10/2014		0.0012 (J)			
7/11/2014	0.0041		0.0019 (J)	0.0034	
1/15/2015				0.003	
1/16/2015	0.0035	0.0017 (J)	<0.005		
6/19/2015				0.0035	
6/20/2015	0.0043	0.0036	<0.005		
12/7/2015					0.0052
12/15/2015					0.0046
12/28/2015					0.0042
1/13/2016					0.0038
1/14/2016			0.0022 (J)		
1/16/2016	0.002 (J)	<0.005		0.0023 (J)	
1/25/2016					0.0036
6/15/2016	0.0027 (J)		0.0028 (J)	0.0031 (J)	0.0028 (J)
6/16/2016		<0.005			
1/11/2017					0.014 (J)
1/12/2017	<0.005	<0.005	<0.005	<0.005	
7/19/2017	<0.005				<0.005
7/20/2017				<0.005	
7/24/2017		<0.005	<0.005		
1/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
7/11/2018					<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-10	GWC-11	GWC-12	GWC-15[*GWB-1...
7/12/2018	<0.005	<0.005	<0.005	<0.005	
1/29/2019					0.0059 (J)
1/30/2019	0.0031 (J)	<0.005	<0.005	<0.005	
3/26/2019					<0.005
3/27/2019	<0.005	<0.005	<0.005	<0.005	
9/11/2019	0.0088	0.0058	0.005	0.0066	0.0062
4/1/2020	0.0046 (J)	<0.005		<0.005	<0.005
4/2/2020			0.0049 (J)		
9/15/2020	0.0049 (J)	0.0043 (J)	<0.005		0.0033 (J)
9/16/2020				0.0033 (J)	

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-19	GWC-20	GWC-21
12/8/2015	0.0058	0.0017 (J)	0.0035		
12/9/2015				0.0035	0.0016 (J)
12/14/2015	0.006	0.0028		0.0056	0.0015 (J)
12/15/2015			0.0028		
12/28/2015	0.0058	0.0024 (J)	0.0023 (J)		
12/29/2015				0.0084	<0.005
1/13/2016	0.0056				
1/14/2016		0.0036	0.012	0.0048	0.0052
1/25/2016				0.0069	0.0017 (J)
1/26/2016	0.0046	0.0036	0.0034		
6/15/2016	0.0053 (J)				
6/16/2016		0.0052 (J)	0.0026 (J)	0.0048 (J)	0.0097 (J)
1/11/2017	0.018 (J)	0.025			
1/12/2017					<0.005
1/13/2017				<0.005	
1/16/2017			<0.005		
7/19/2017	<0.005				
7/25/2017		<0.005	<0.005	<0.005	<0.005
1/11/2018	<0.005				<0.005
1/12/2018		<0.005	<0.005	<0.005	
7/11/2018	<0.005	<0.005	<0.005	<0.005	<0.005
1/29/2019	0.0059 (J)		0.0051 (J)	<0.005	
1/30/2019		0.5 (o)			0.0025 (J)
3/27/2019	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2019	0.013	0.0058	0.0046 (J)	0.0073	0.0063
4/1/2020	0.005	<0.005	<0.005	<0.005	0.0032 (J)
9/15/2020	0.0052	0.0032 (J)		0.0044 (J)	<0.005
9/16/2020			0.004 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
8/25/2004		<0.005	0.017	<0.005
9/11/2004		<0.005	<0.005	<0.005
9/26/2004		<0.005	<0.005	<0.005
10/13/2004		<0.005	<0.005	<0.005
7/11/2005		<0.005	<0.005	<0.005
12/7/2005		0.06 (O)	<0.005	<0.005
6/22/2006		0.0061	0.0033	<0.005
11/28/2006		0.0064	0.0034	0.0034
7/6/2007		0.011	0.0037	0.0049
12/13/2007		0.0061	<0.005	<0.005
6/20/2008		0.009	0.0042	0.006
12/7/2008		0.0071	0.0049	0.0043
7/9/2009		0.0059	0.0032	<0.005
12/29/2009			0.0031	0.0061
12/30/2009		0.0038		
6/22/2010		0.0044	<0.005	<0.005
1/4/2011		0.0038	0.0029	
1/5/2011				<0.005
7/9/2011			0.0038	0.0077
7/10/2011		0.005		
1/21/2012		0.0074	0.0057	0.0032
7/11/2012		0.0047	0.0032	<0.005
1/19/2013			0.0032	<0.005
1/20/2013		<0.005		
7/18/2013			0.0027	<0.005
7/19/2013		0.0032		
1/15/2014			0.0059	0.0036
1/16/2014		0.019		
7/10/2014		0.0038	0.0064	0.0024 (J)
1/15/2015			0.0024 (J)	
1/16/2015		0.0045		0.0055
6/19/2015			0.0057	
6/20/2015		0.0023 (J)		<0.005
1/14/2016		0.0024 (J)	0.0022 (J)	<0.005
6/14/2016		0.0053 (J)	0.0028 (J)	
6/15/2016				0.0037 (J)
6/16/2016	0.0098 (J)			
1/10/2017		<0.005		
1/11/2017			0.013 (J)	
1/13/2017				<0.005
1/17/2017	<0.005			
7/18/2017		<0.005	<0.005	
7/24/2017				<0.005
7/25/2017	0.0069 (J)			
1/10/2018		<0.005	<0.005	
1/12/2018	<0.005			<0.005
7/11/2018		0.0098 (J)	<0.005	
7/12/2018	<0.005			<0.005
1/29/2019		0.0064 (J)	0.0027 (J)	
1/30/2019	0.0049 (J)			0.051
3/26/2019		0.01	<0.005	
3/27/2019	<0.005			<0.005

Time Series

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 9:32 AM

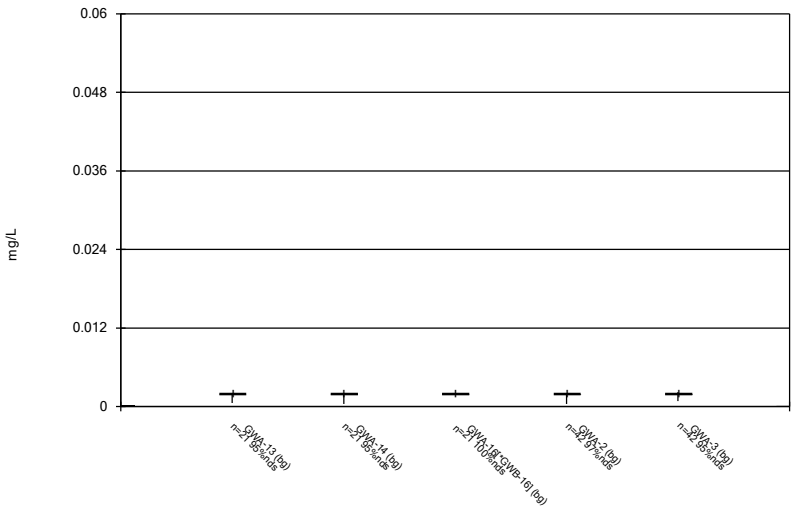
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-4A[*GWB-4...	GWC-5[*GWB-5]...	GWC-9
9/10/2019		0.012	0.022	
9/11/2019	0.0086			0.0058
3/31/2020		0.013	<0.005	
4/1/2020	0.0033 (J)			<0.005
9/15/2020	0.004 (J)		0.0049 (J)	
9/16/2020		0.011		0.0035 (J)

FIGURE B.

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

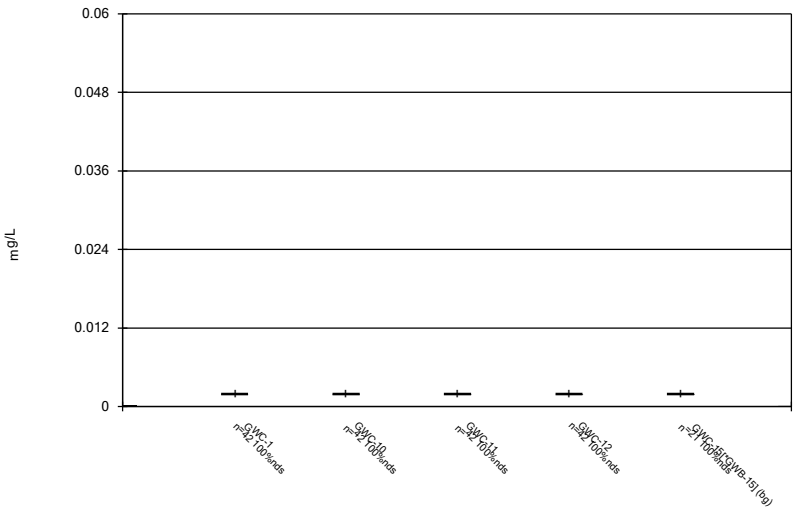


Constituent: Antimony Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

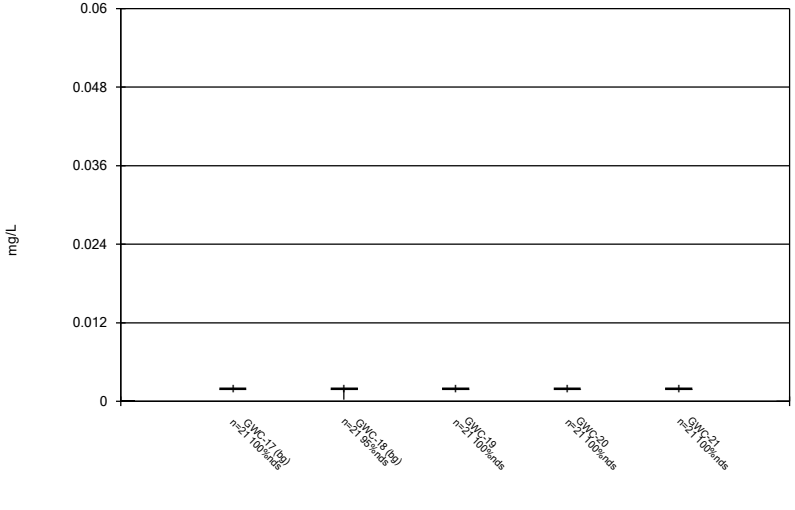


Constituent: Antimony Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

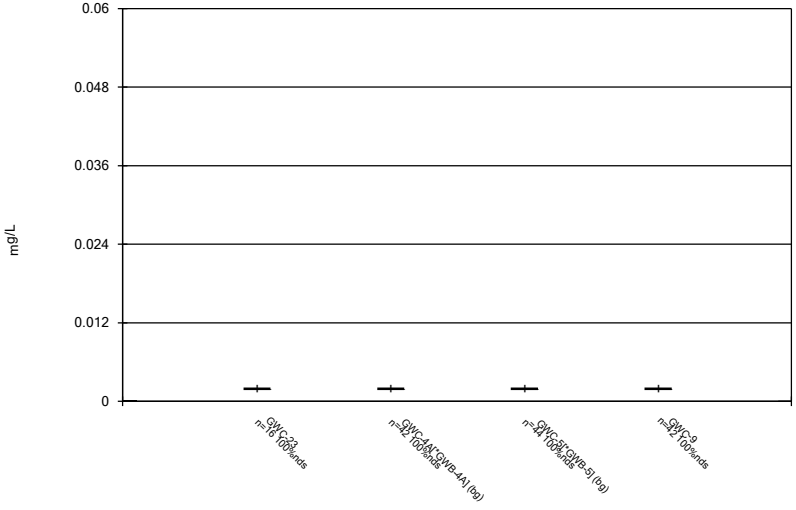


Constituent: Antimony Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

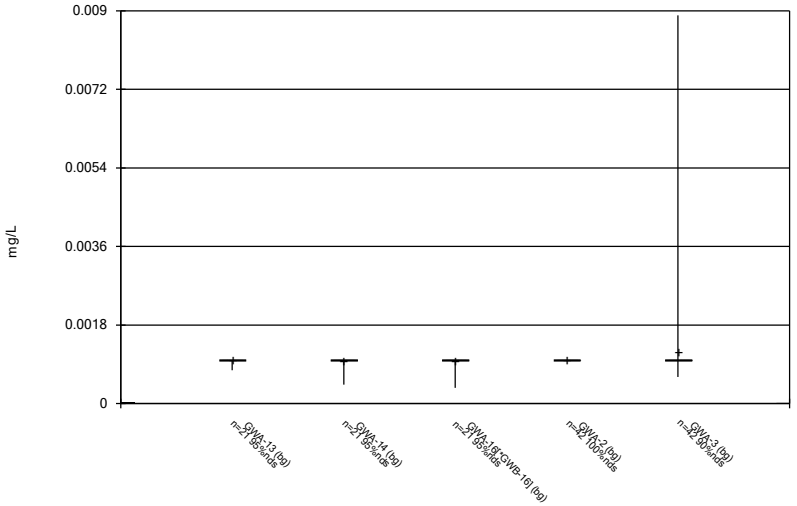


Constituent: Antimony Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

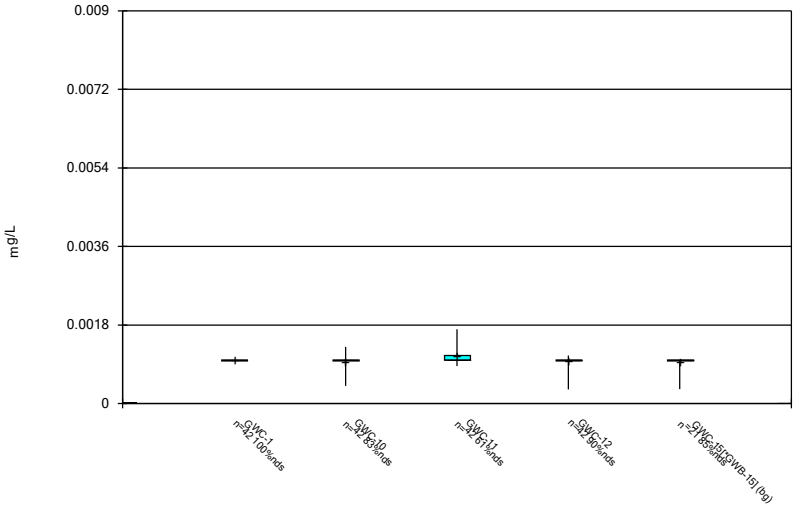


Constituent: Arsenic Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

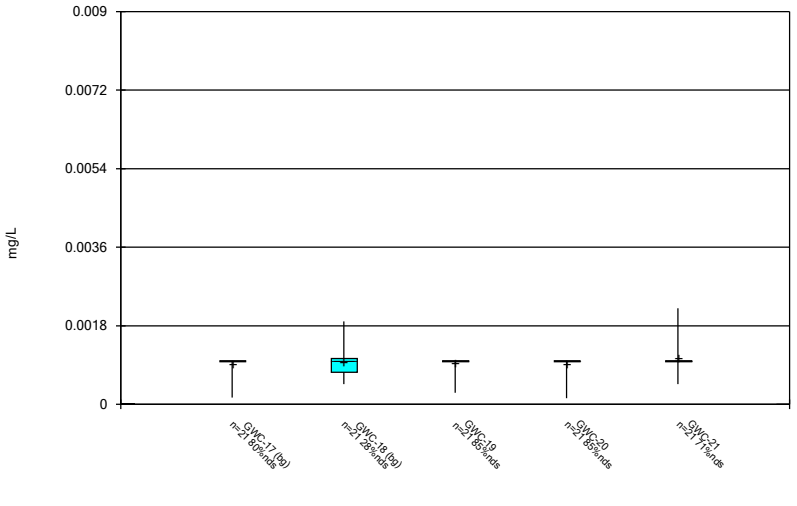


Constituent: Arsenic Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

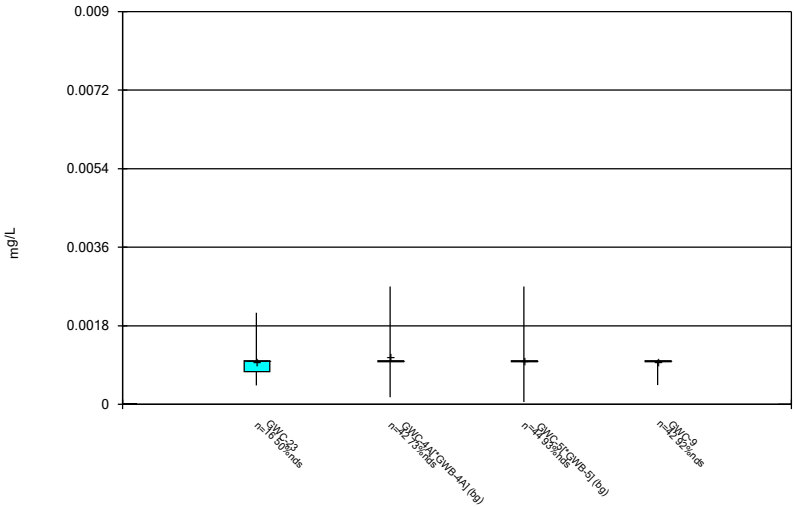


Constituent: Arsenic Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

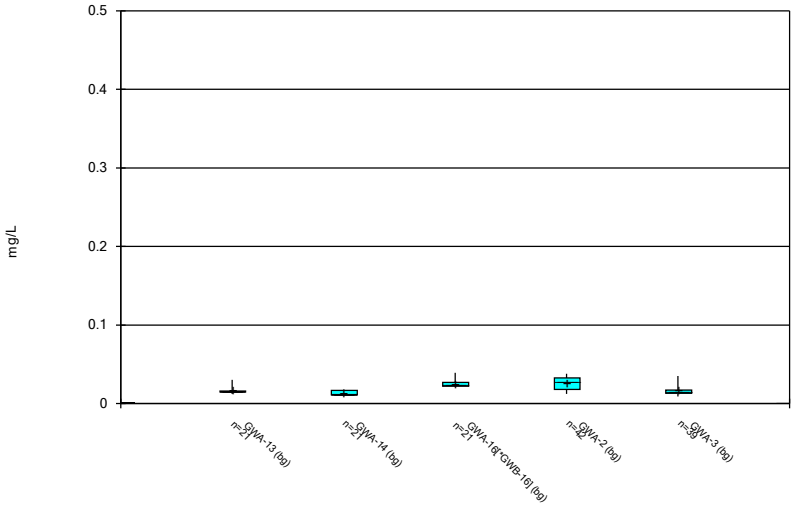


Constituent: Arsenic Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

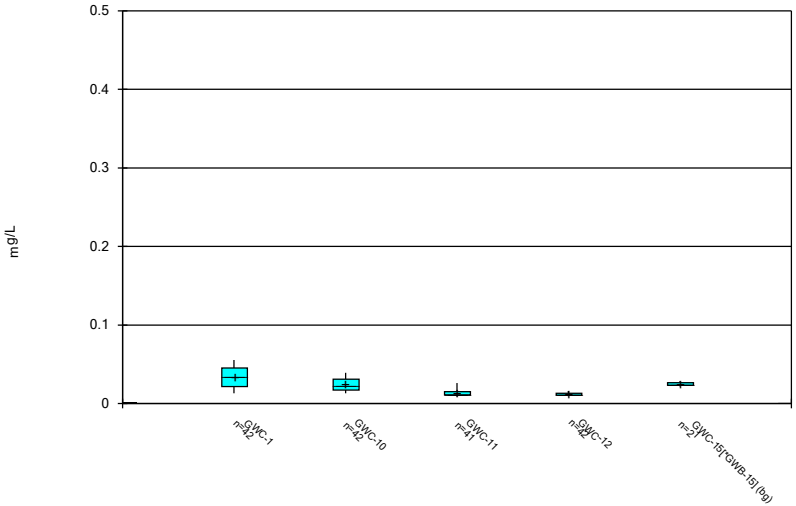


Constituent: Barium Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

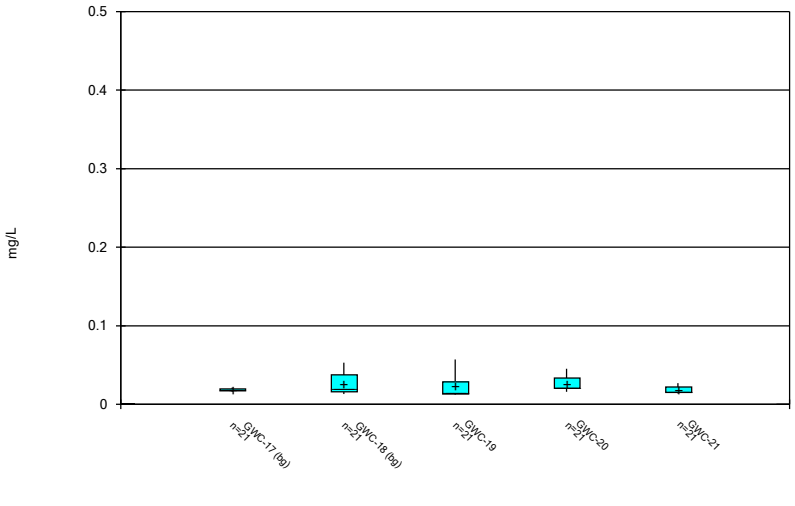


Constituent: Barium Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

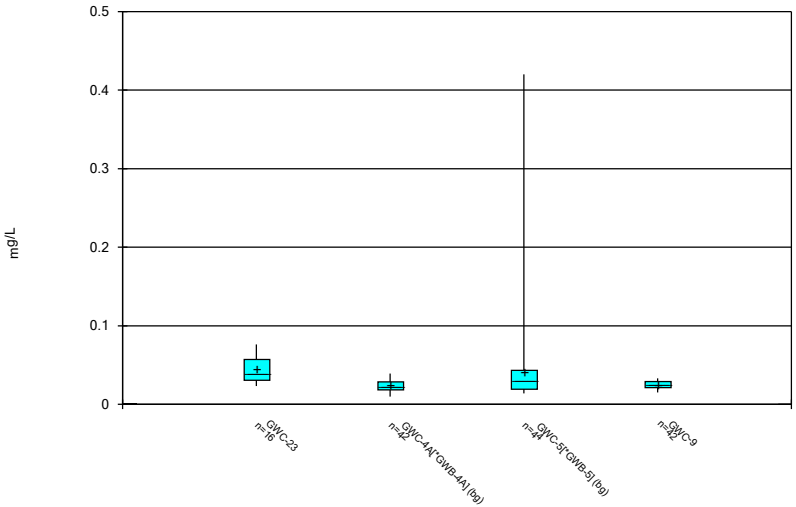


Constituent: Barium Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

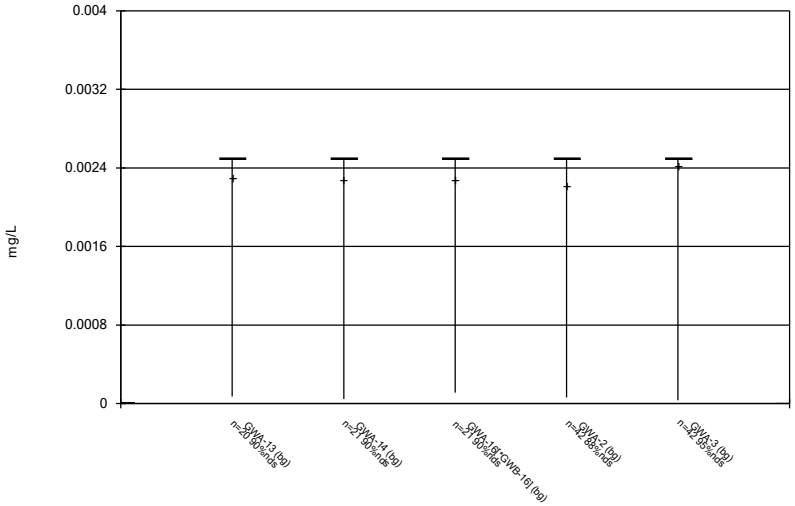


Constituent: Barium Analysis Run 11/18/2020 9:32 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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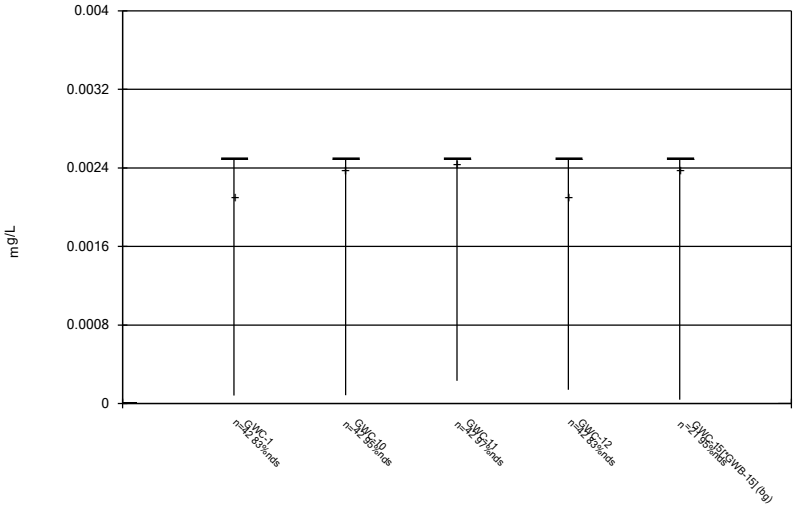
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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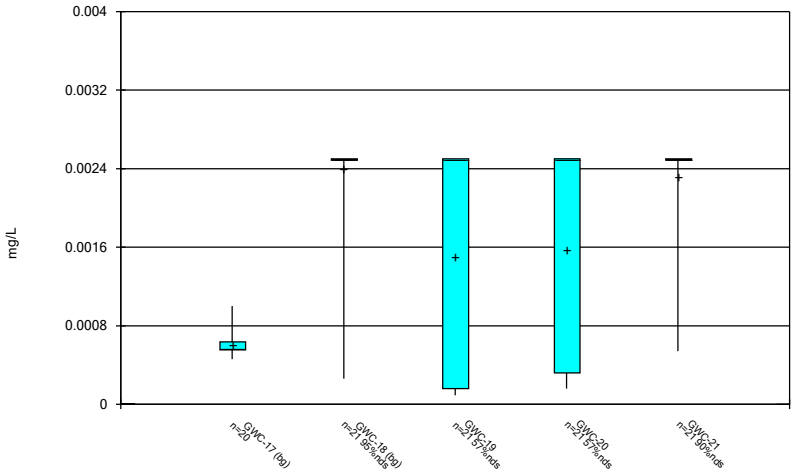
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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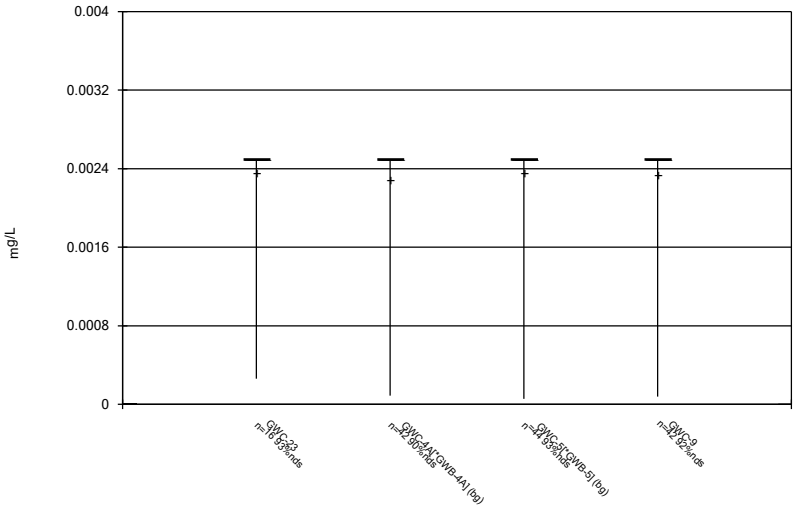
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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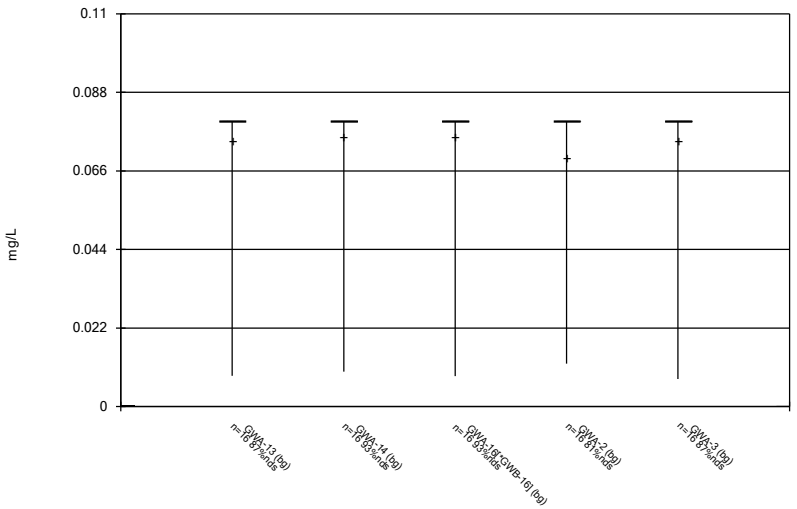
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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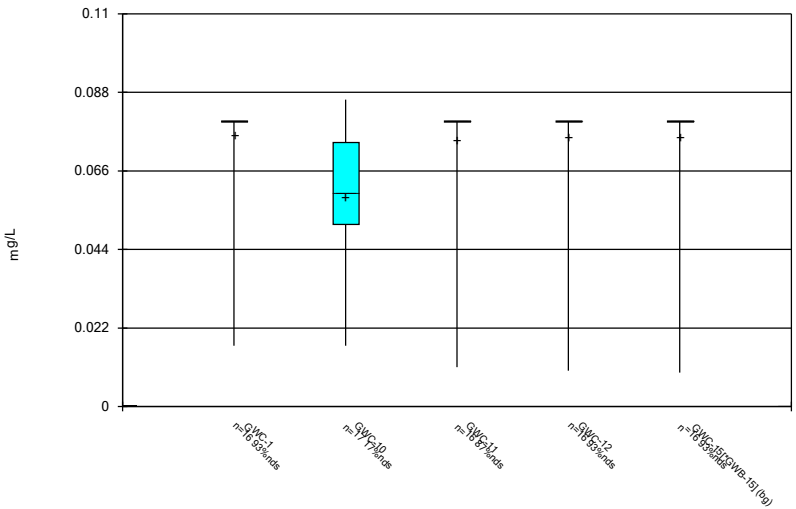
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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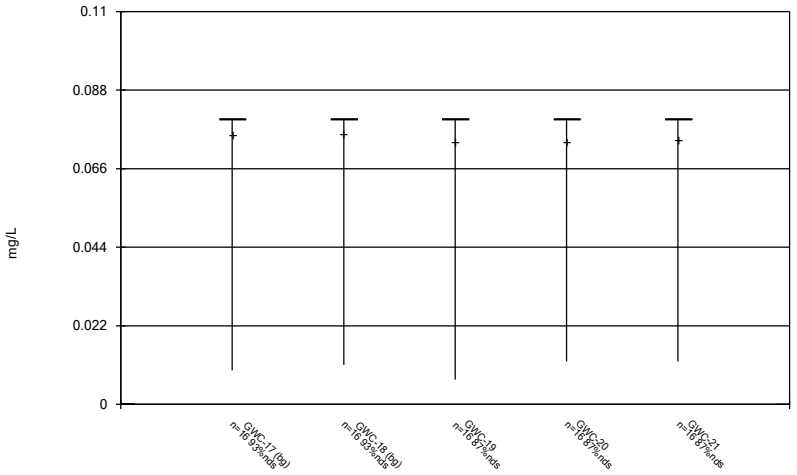
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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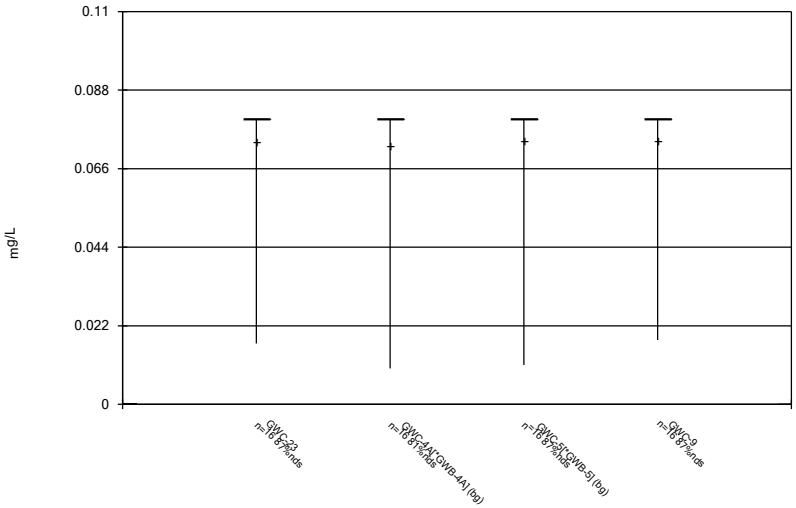
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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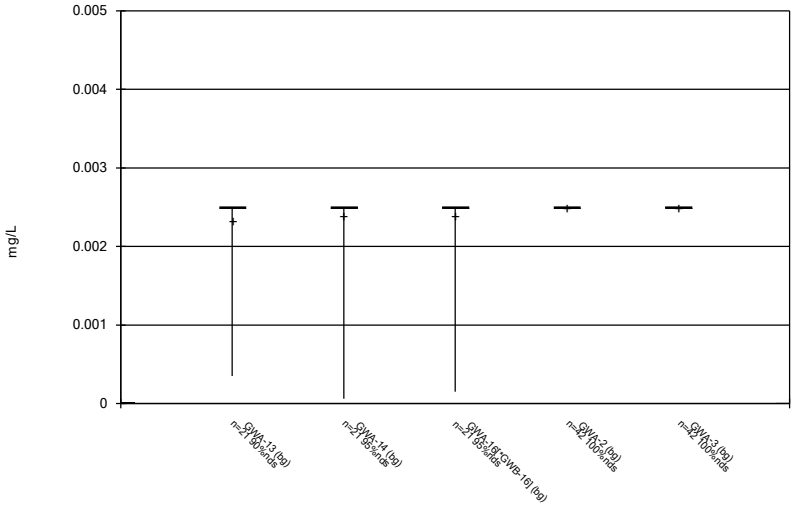
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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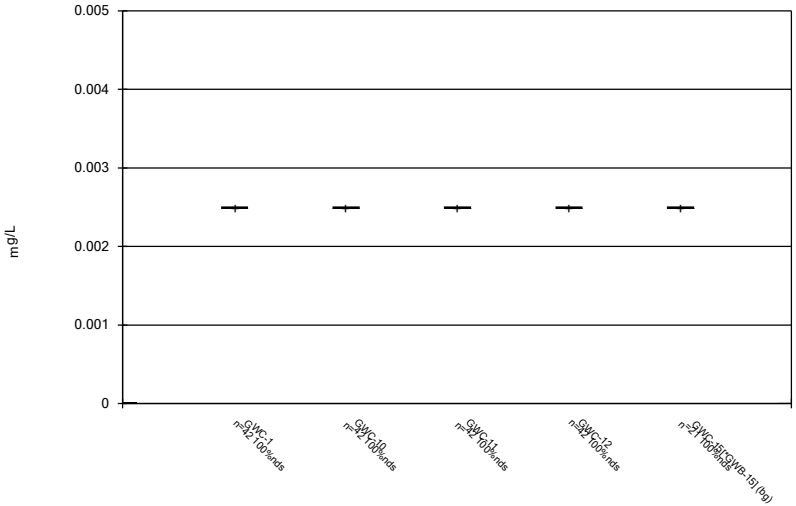
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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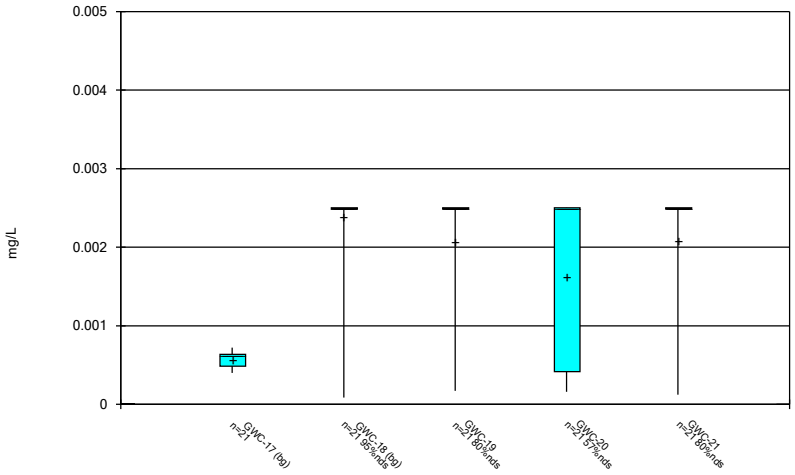
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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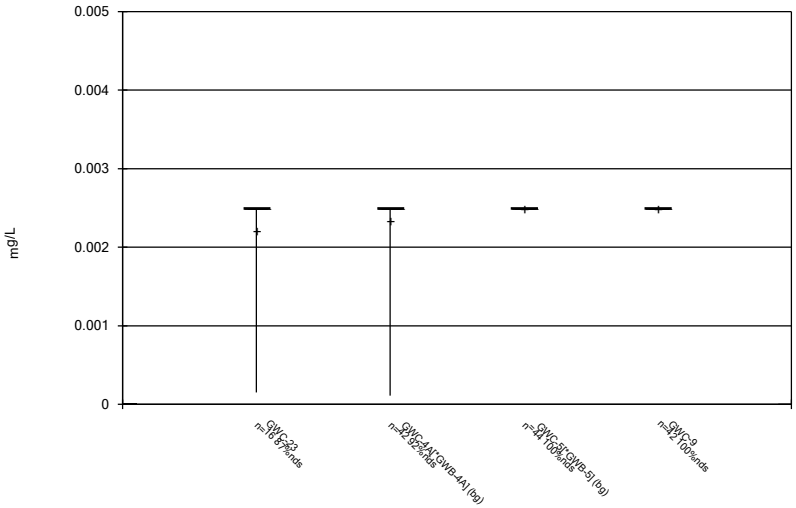
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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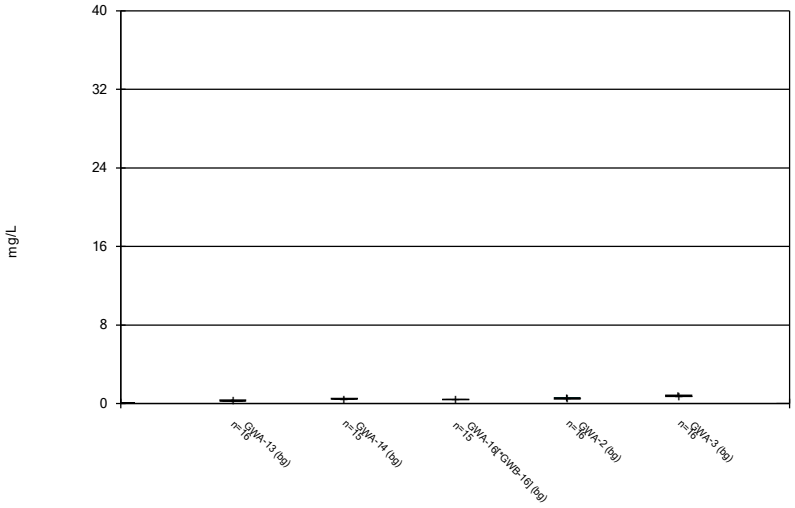
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

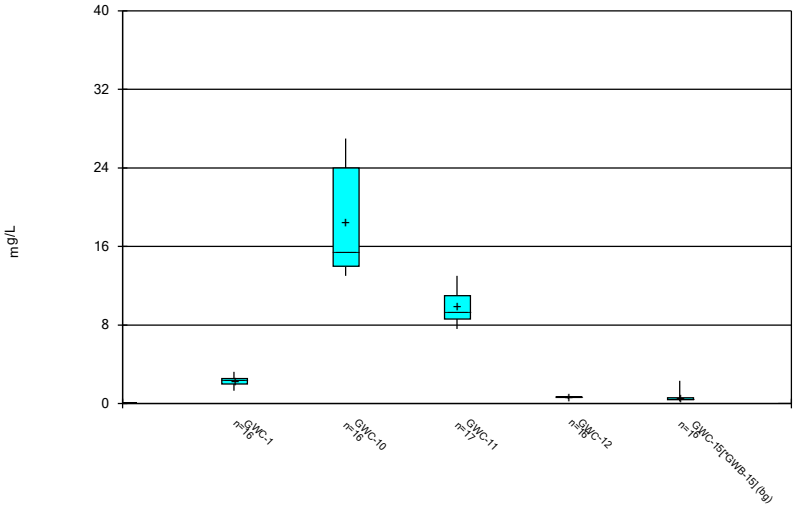


Constituent: Calcium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



Constituent: Calcium Analysis Run 11/18/2020 9:33 AM

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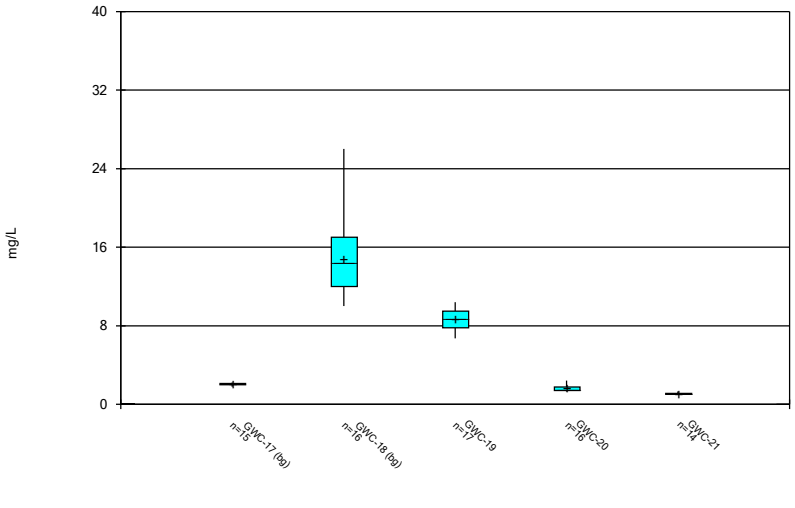
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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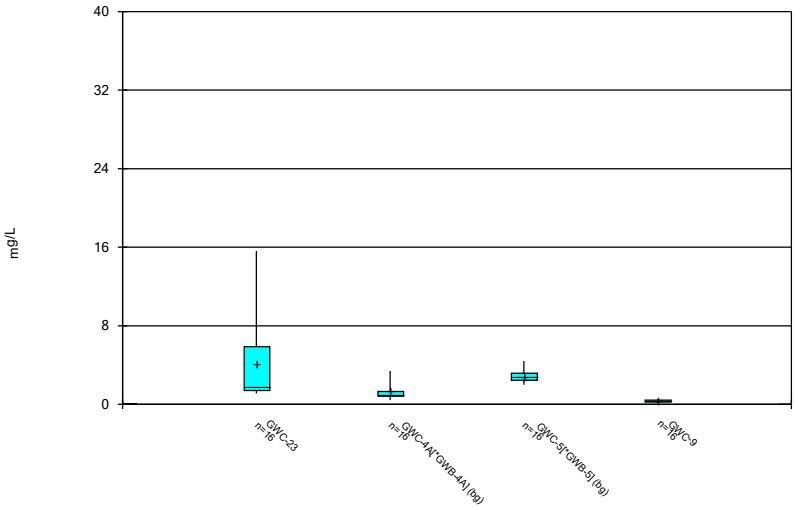
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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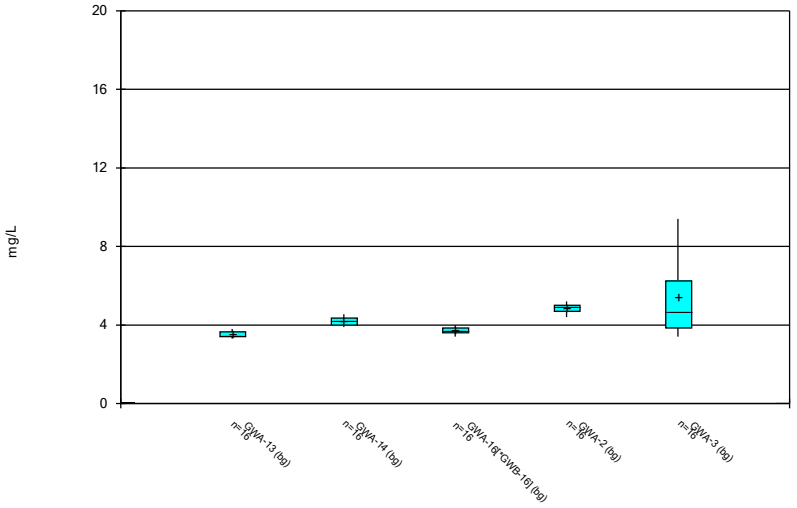
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

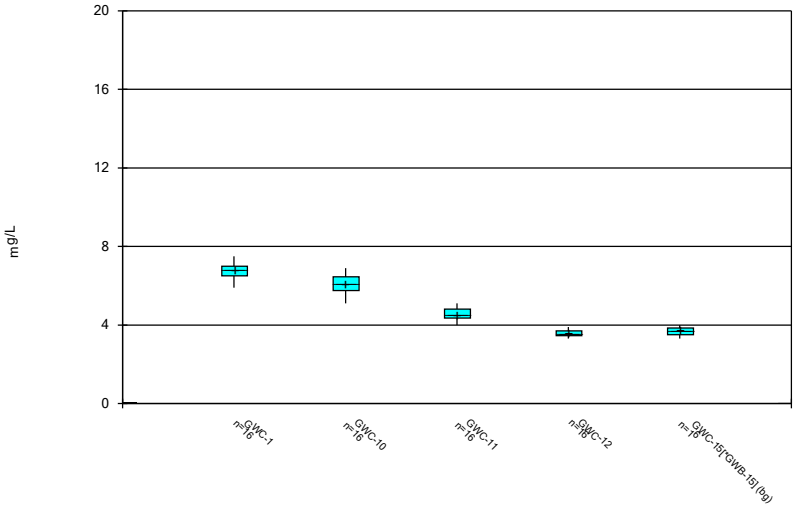


Constituent: Chloride Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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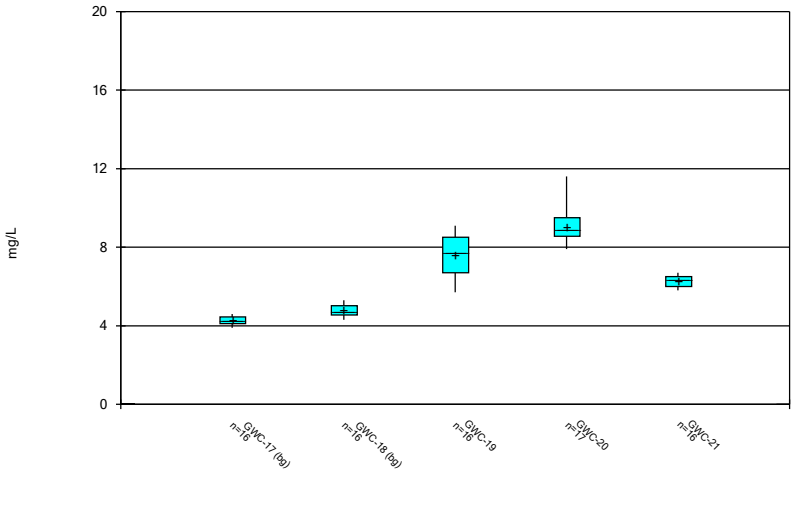
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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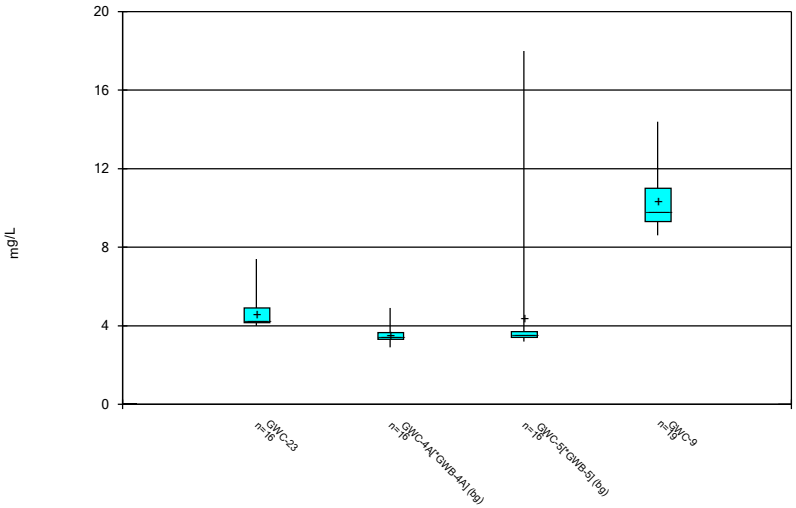
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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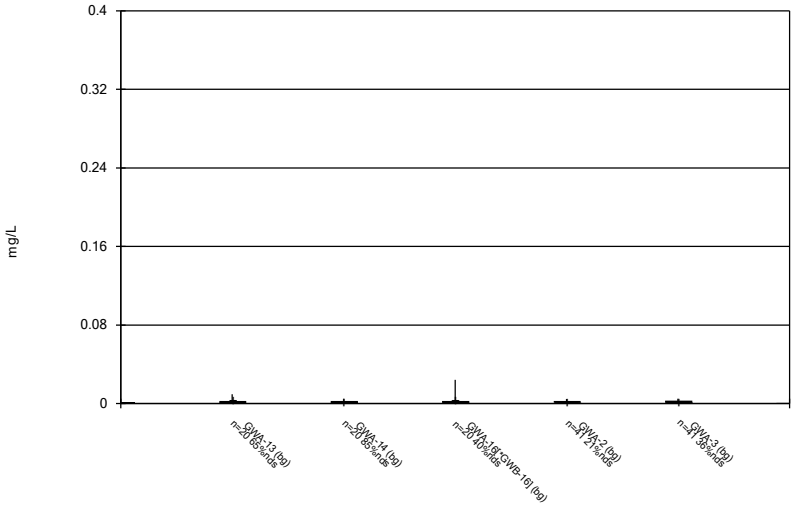
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

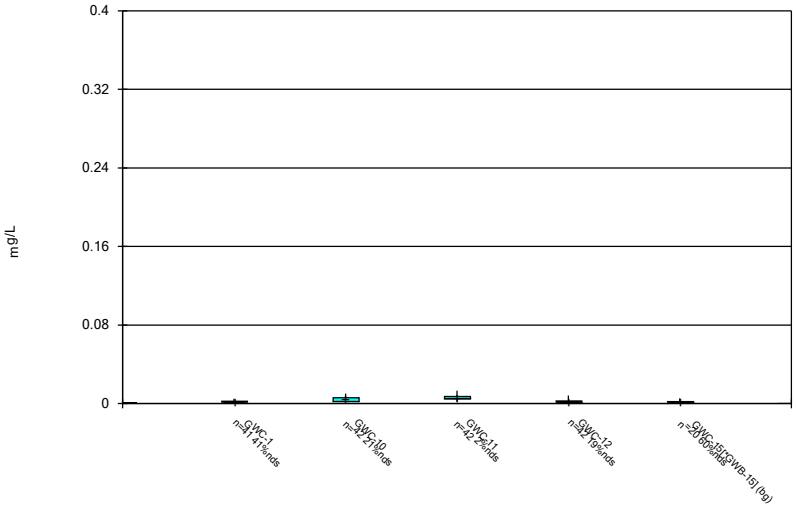


Constituent: Chromium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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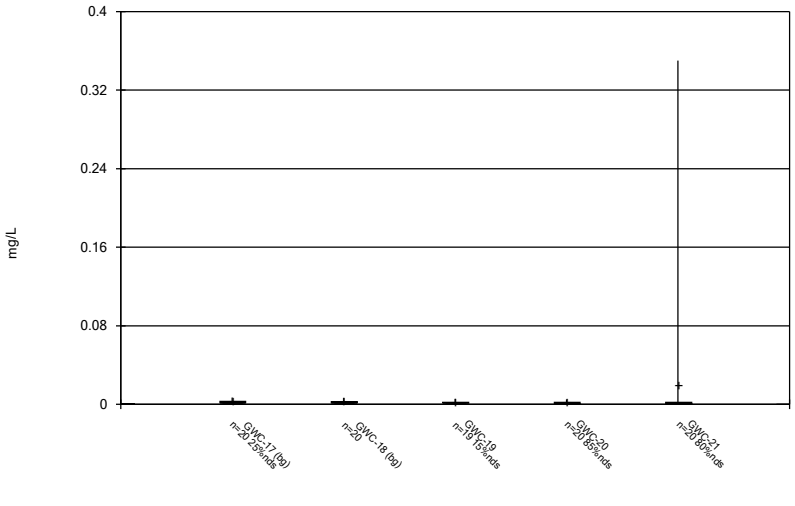
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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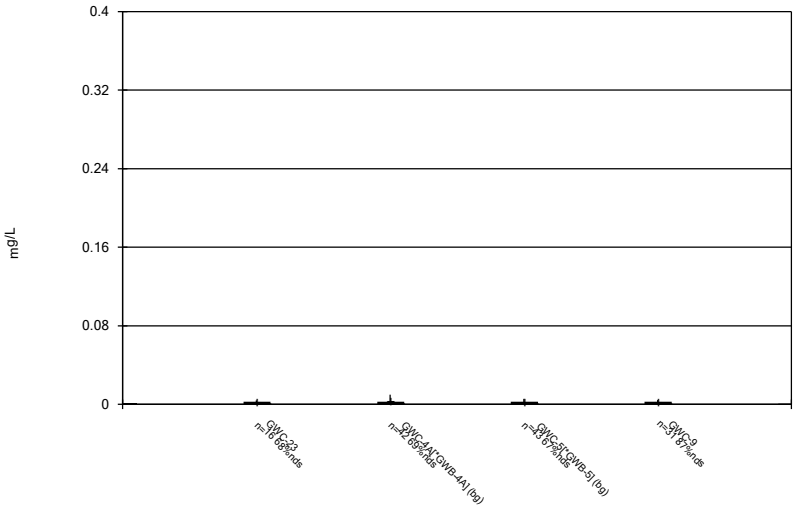
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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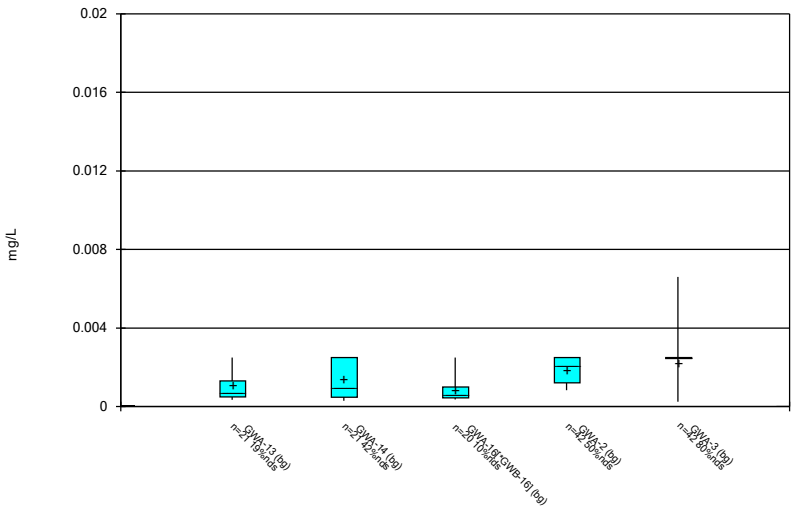
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

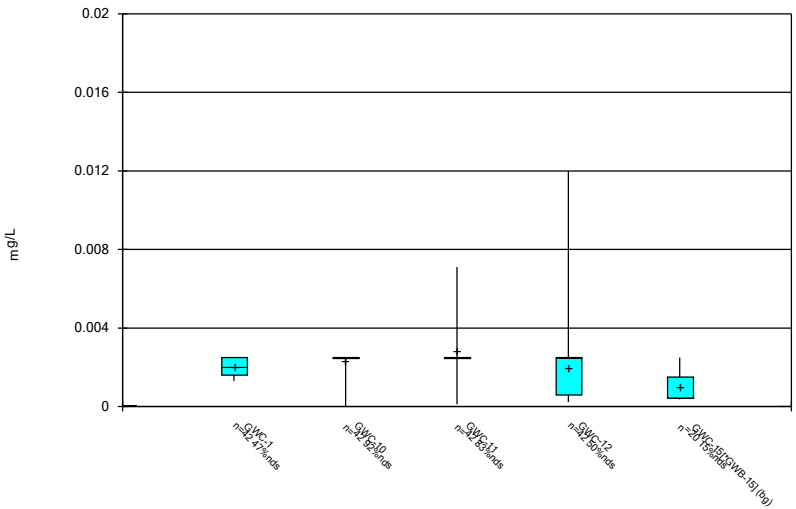


Constituent: Cobalt Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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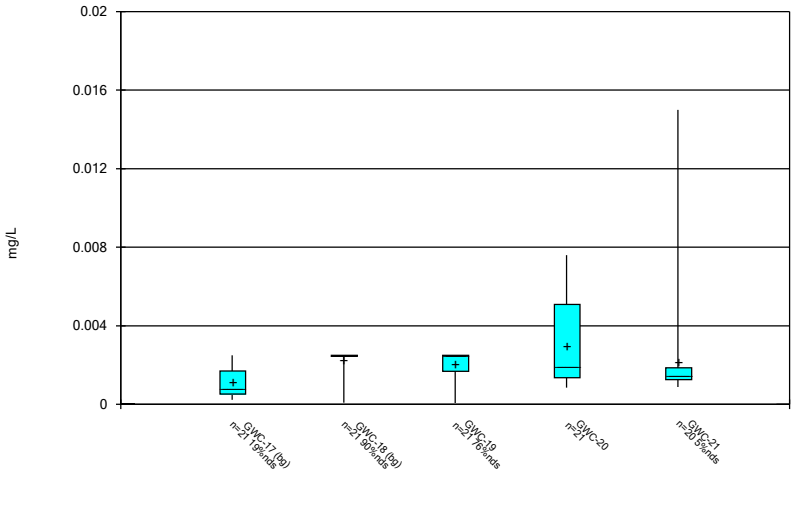
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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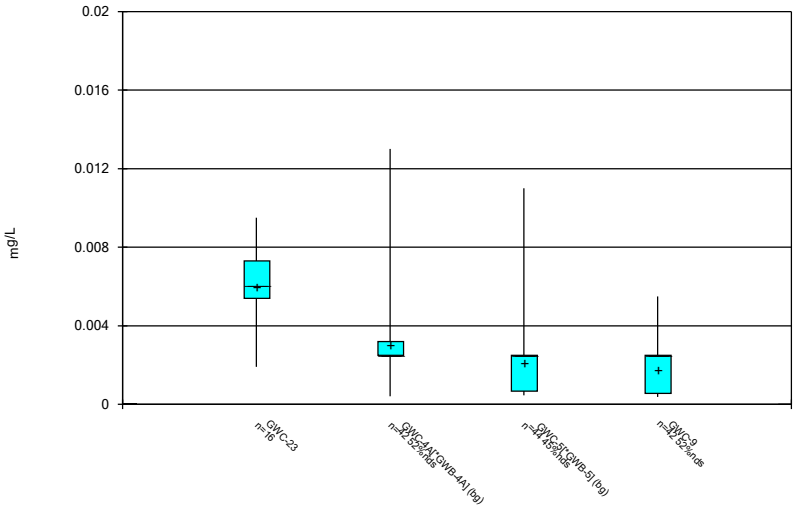
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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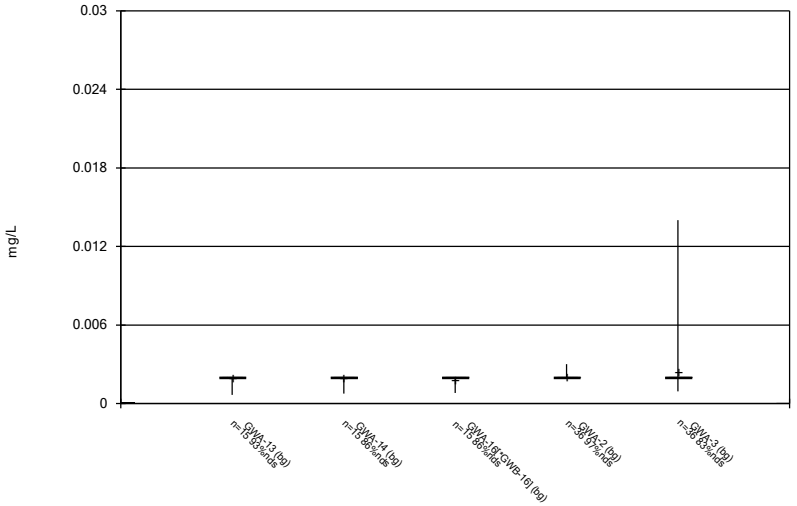
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

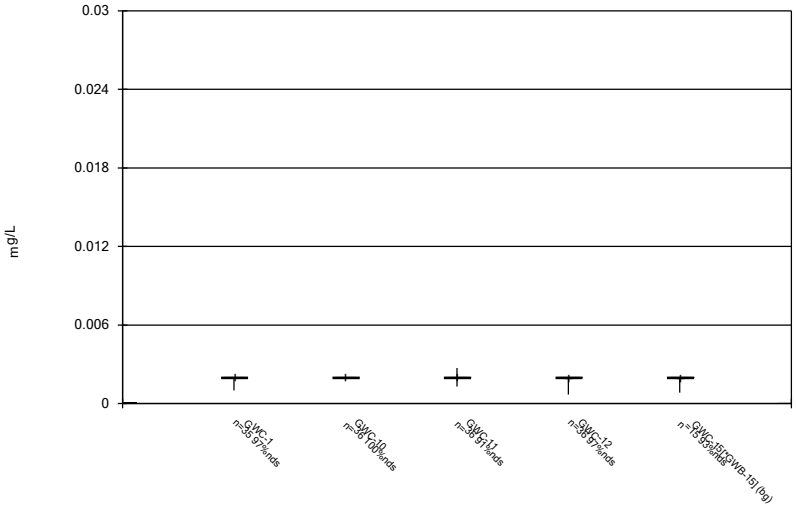


Constituent: Copper Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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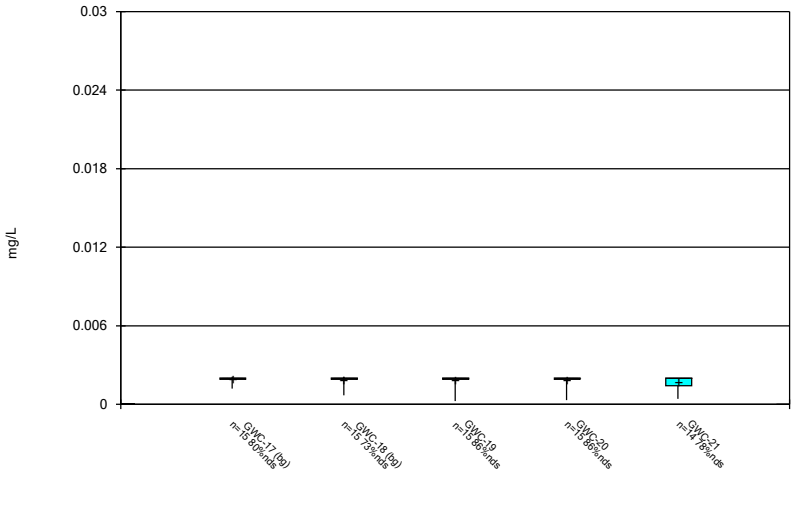
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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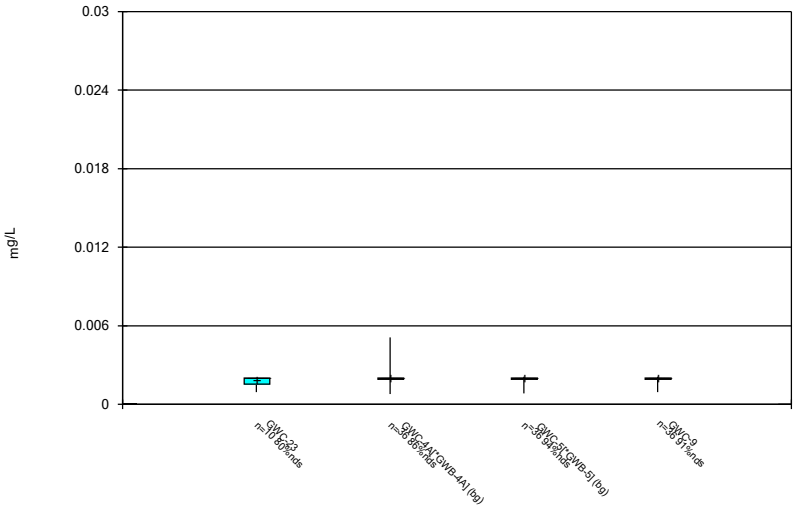
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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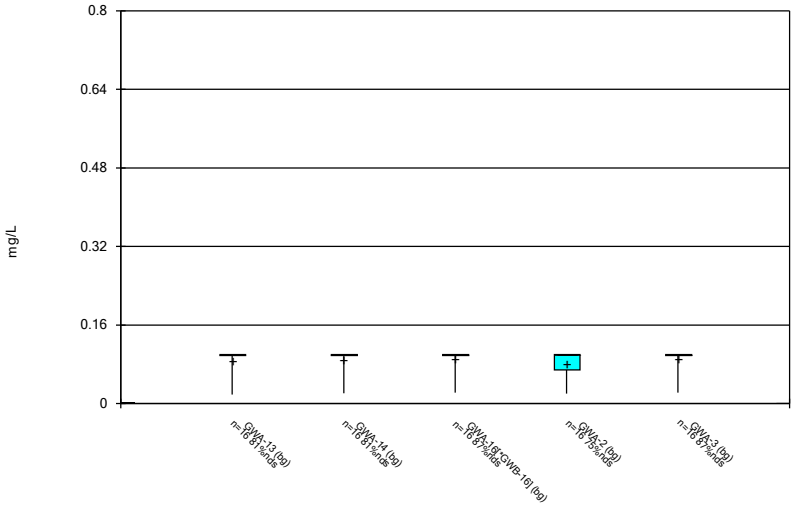
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Box & Whiskers Plot

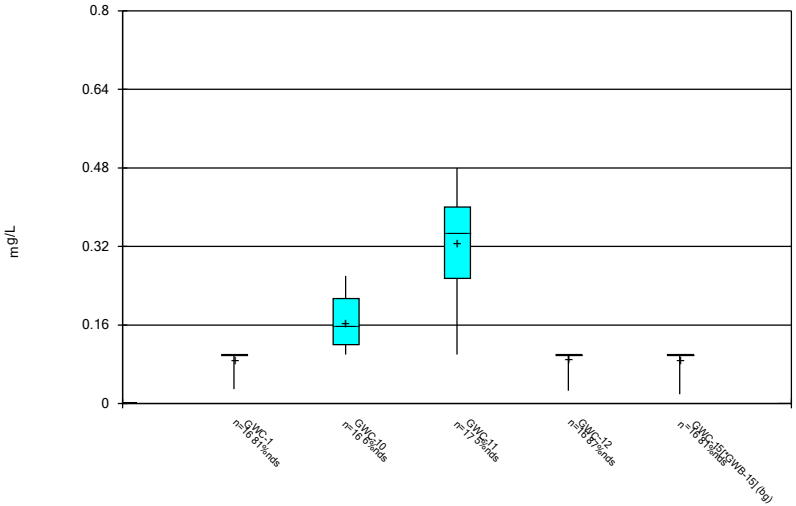


Constituent: Fluoride Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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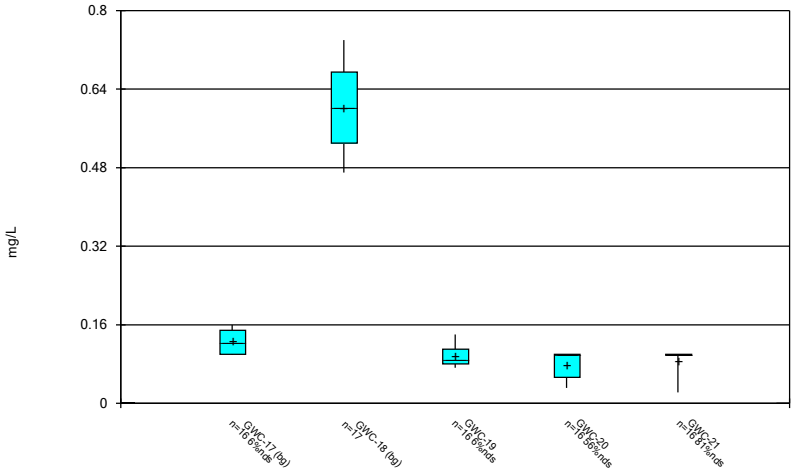
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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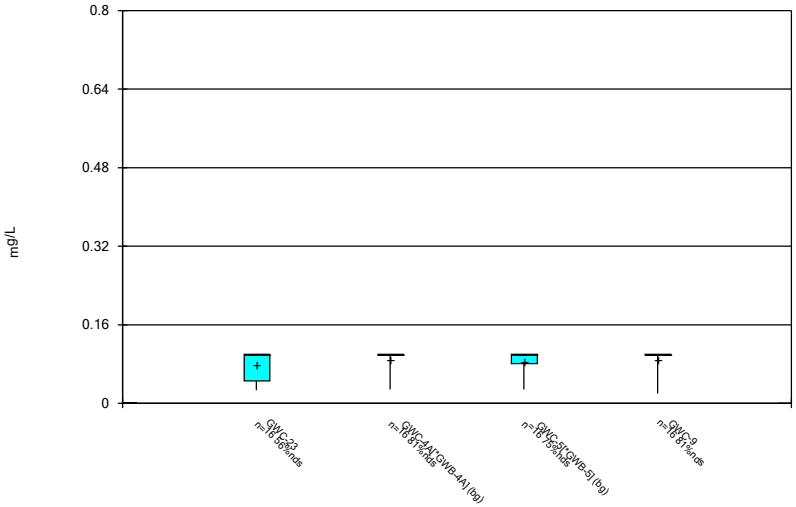
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

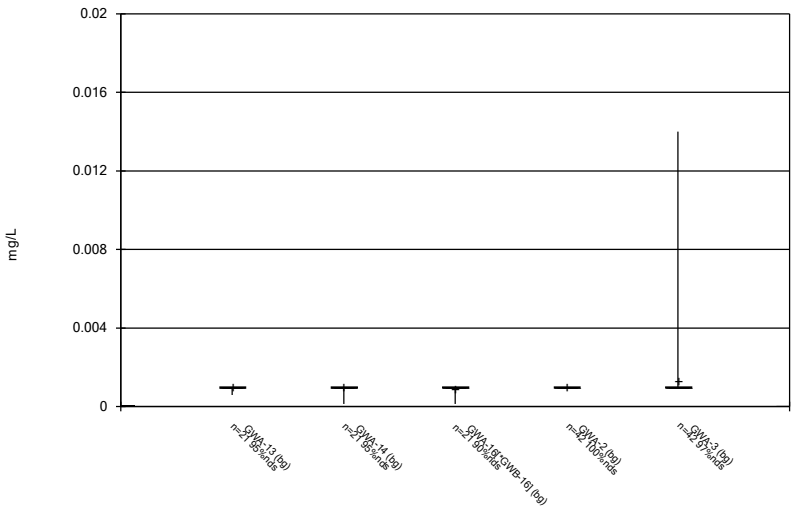


Constituent: Fluoride Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

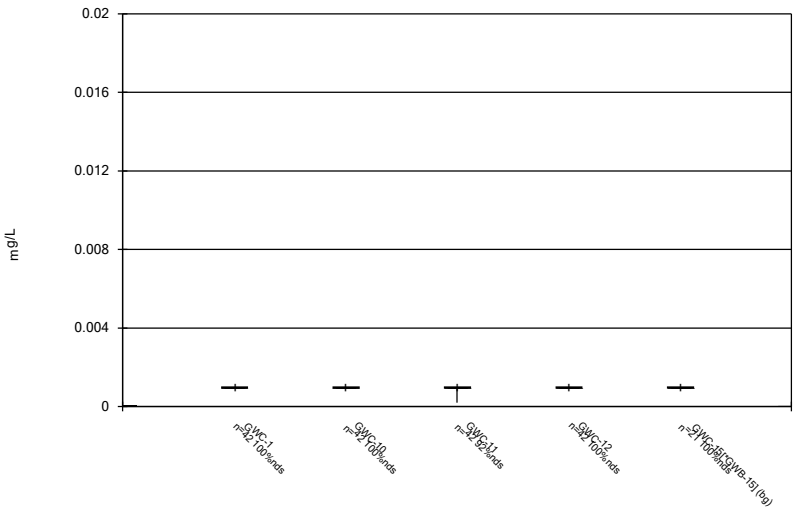


Constituent: Lead Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



Constituent: Lead Analysis Run 11/18/2020 9:33 AM

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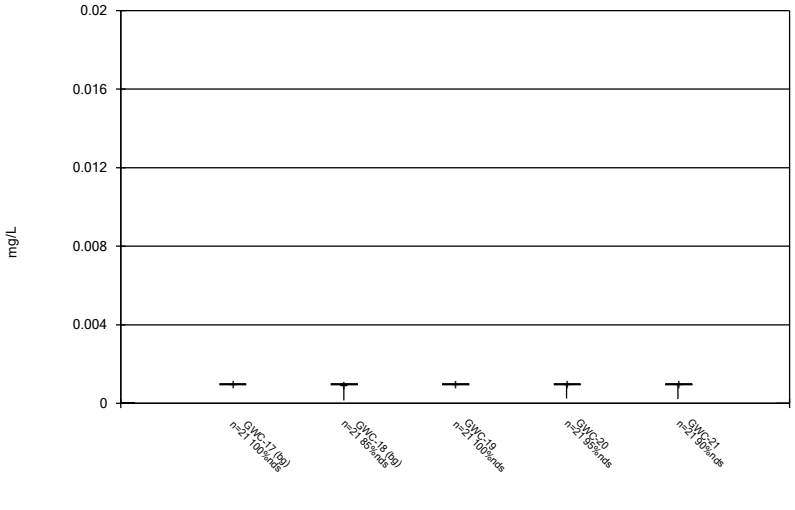
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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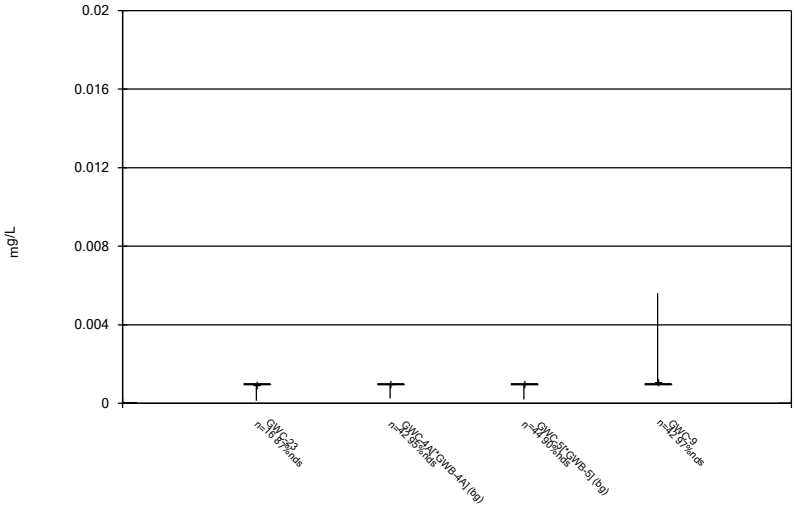
Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

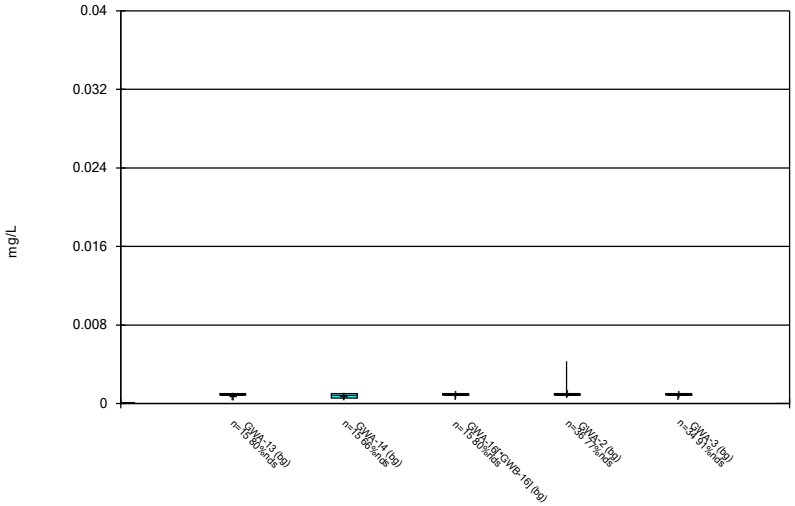


Constituent: Lead Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

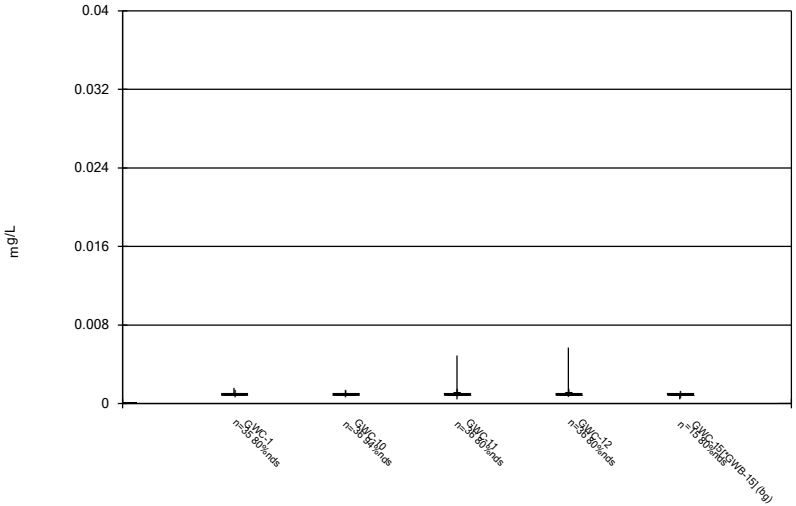


Constituent: Nickel Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

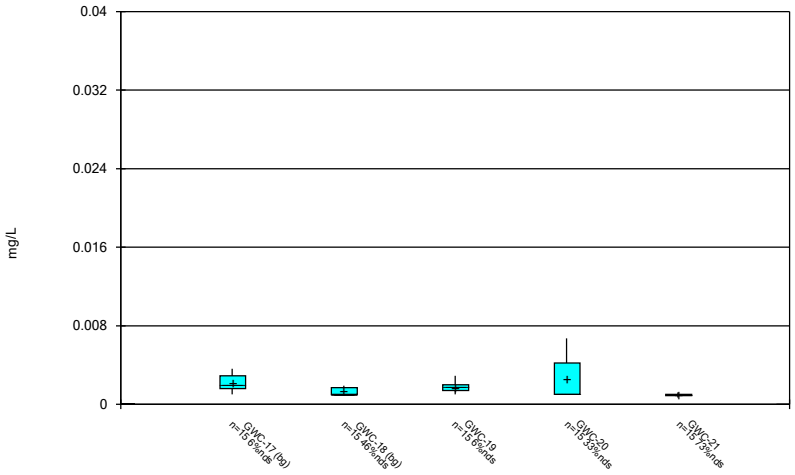


Constituent: Nickel Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

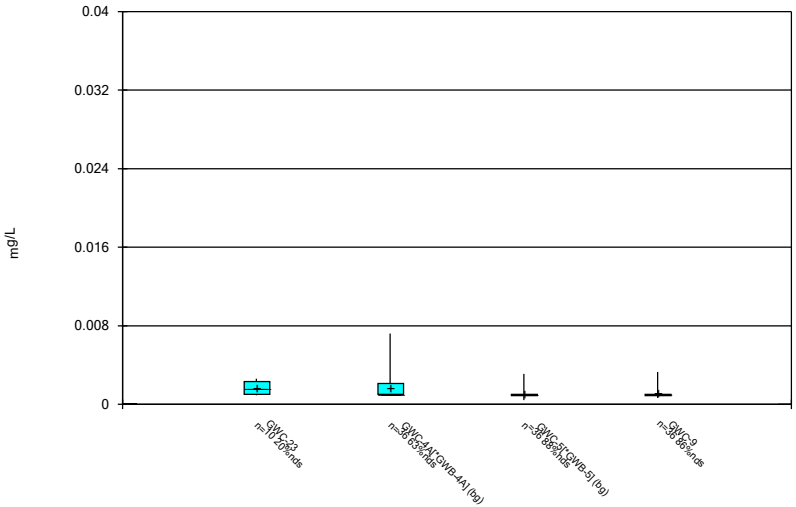


Constituent: Nickel Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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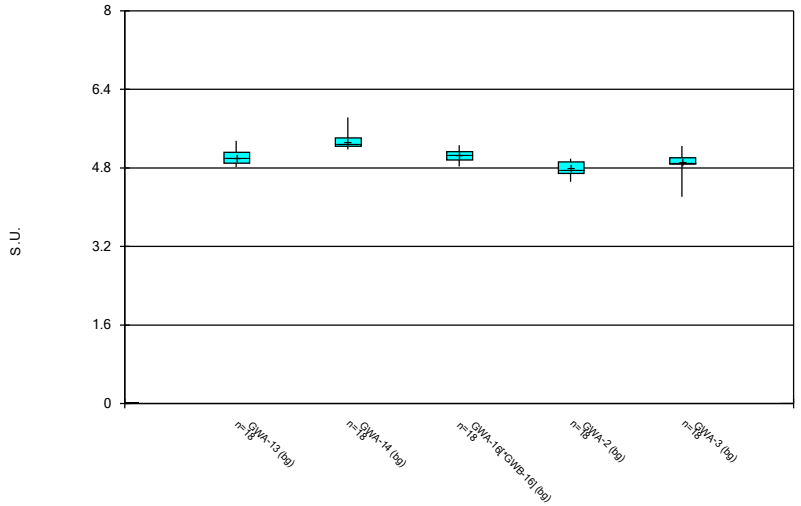
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

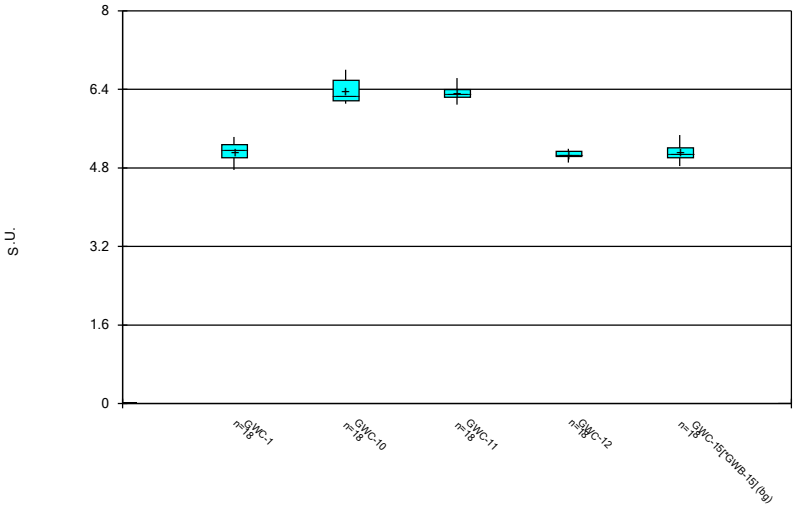


Constituent: pH Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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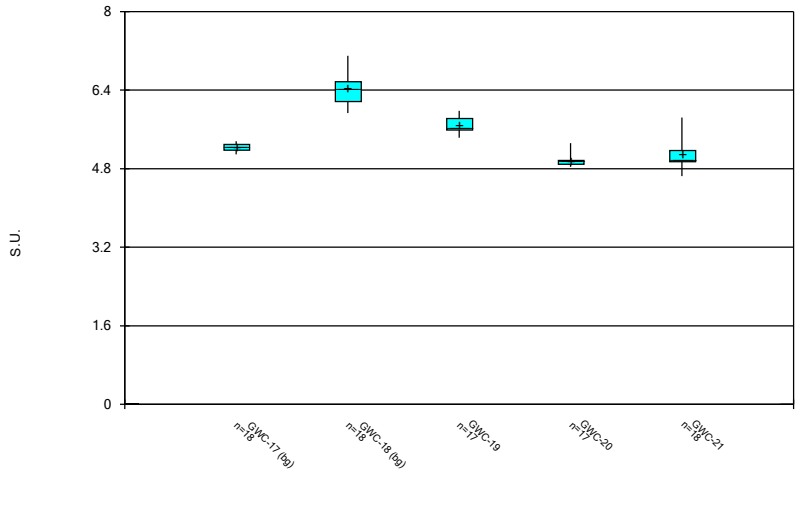
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



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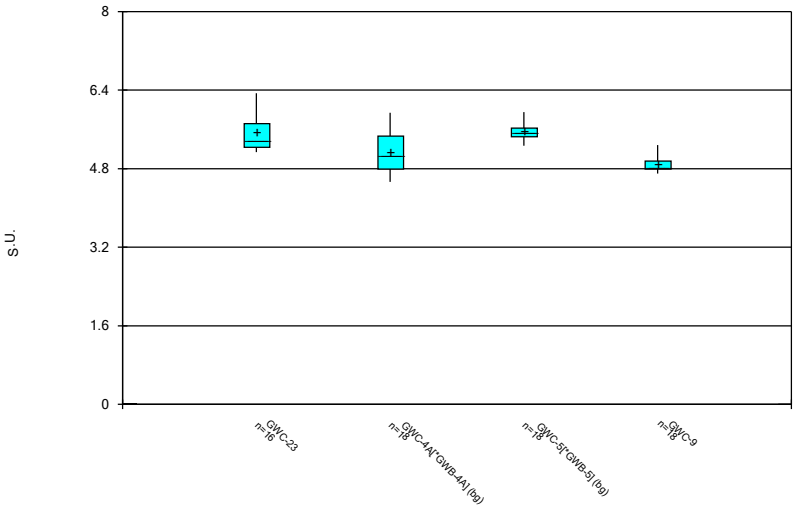
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

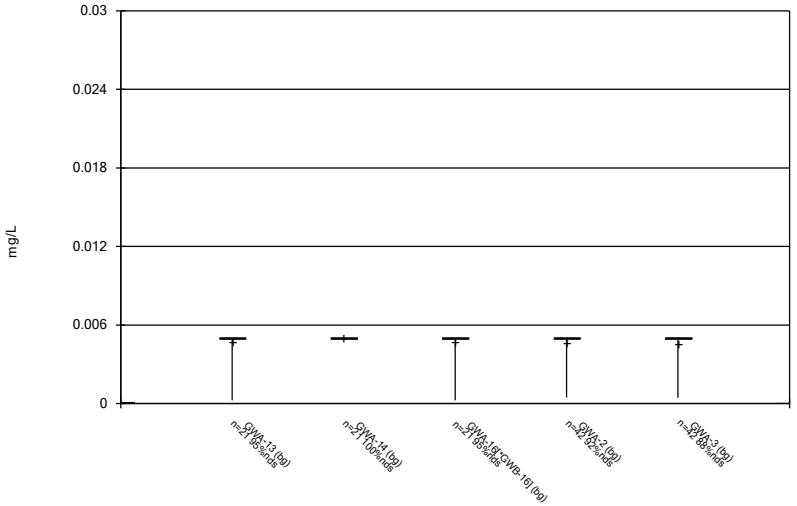


Constituent: pH Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

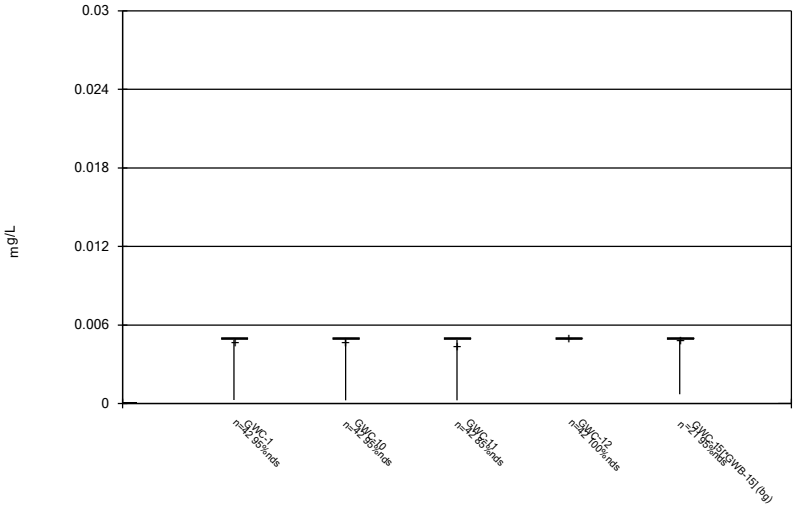


Constituent: Selenium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

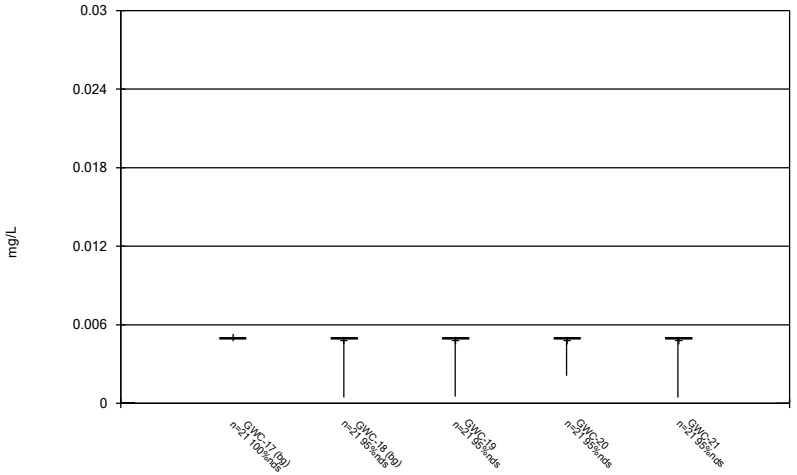


Constituent: Selenium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

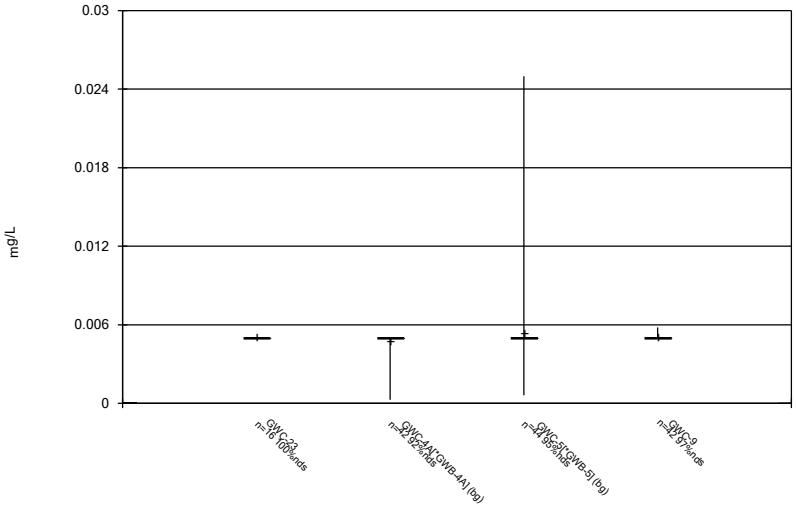


Constituent: Selenium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

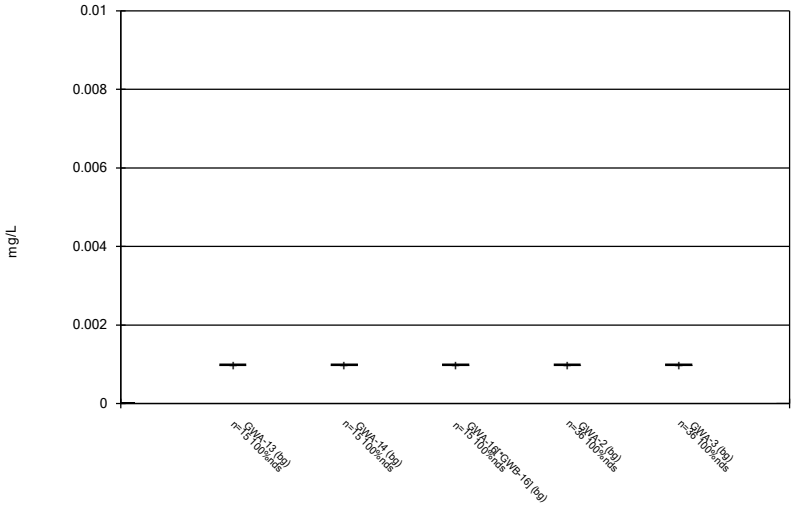


Constituent: Selenium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

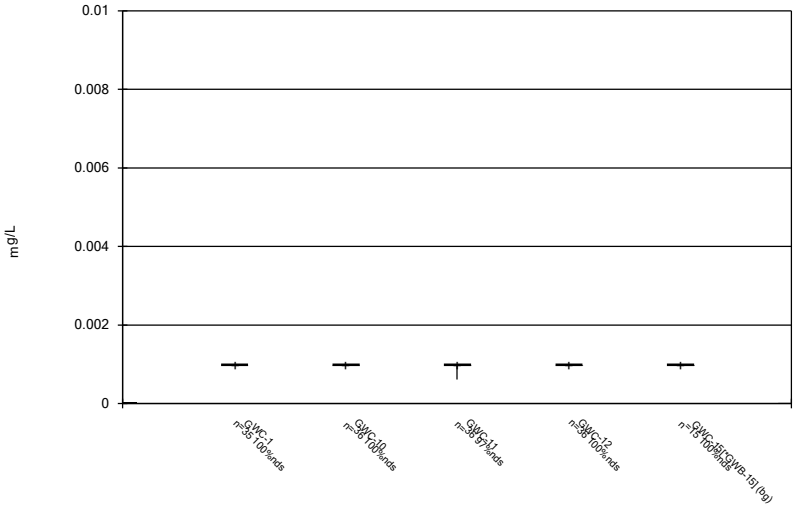


Constituent: Silver Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

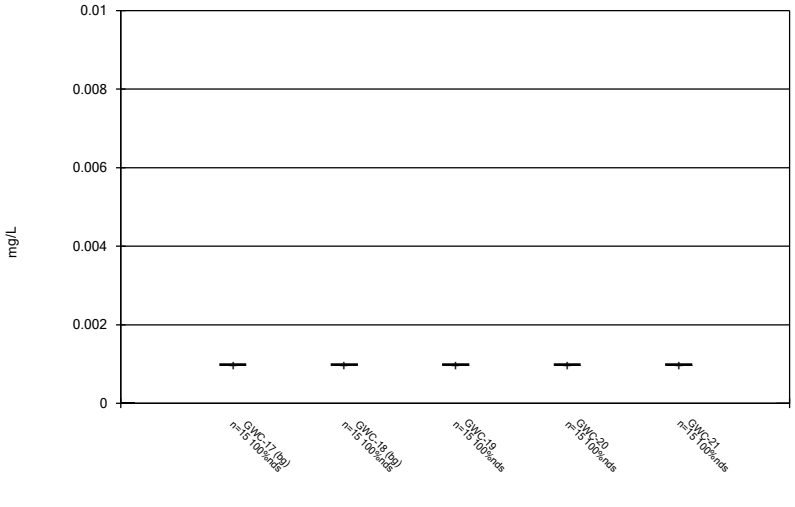


Constituent: Silver Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

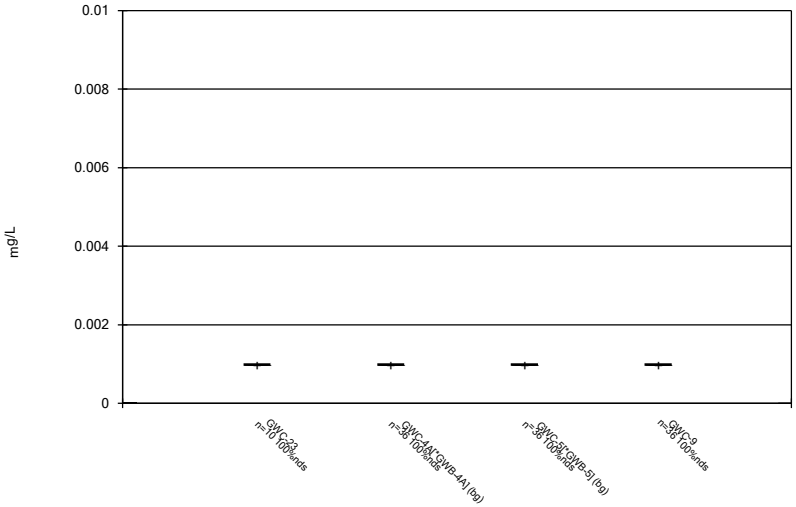


Constituent: Silver Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

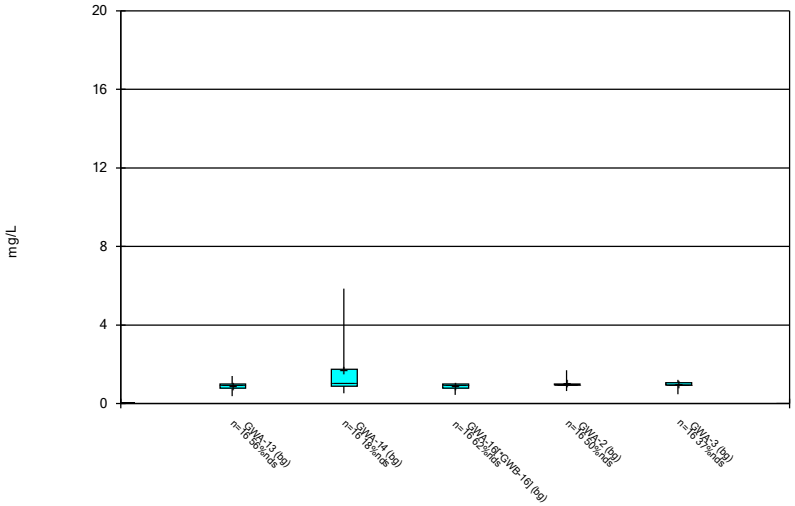


Constituent: Silver Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

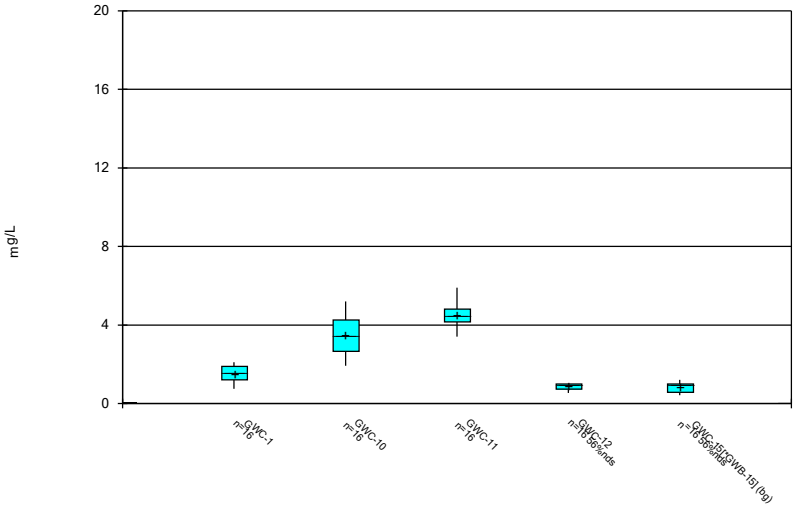


Constituent: Sulfate Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

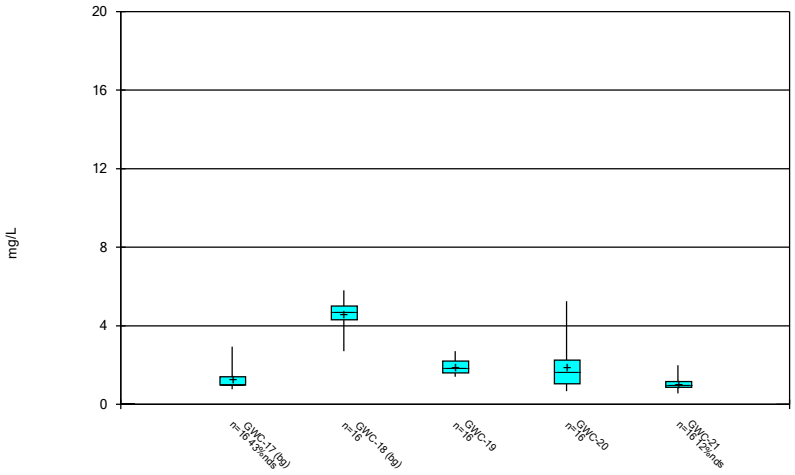


Constituent: Sulfate Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

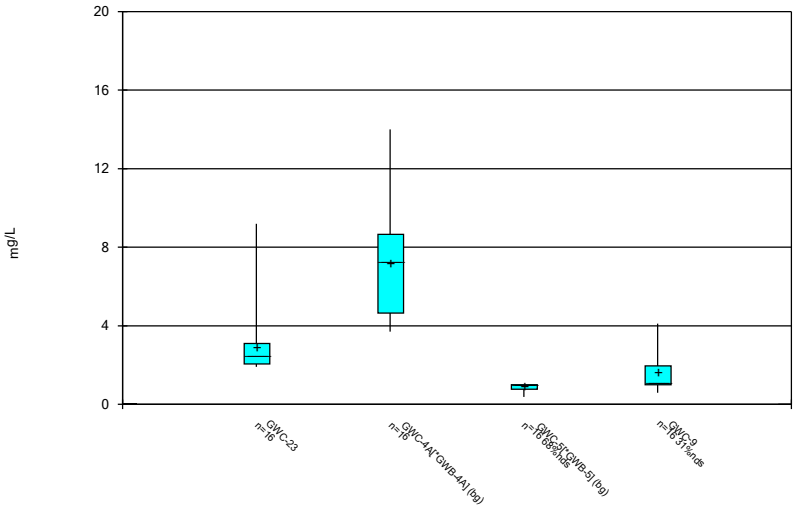


Constituent: Sulfate Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

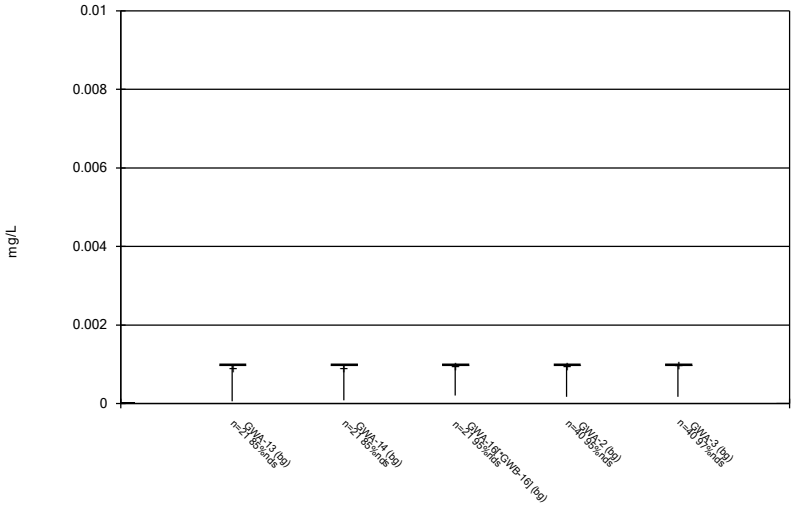


Constituent: Sulfate Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

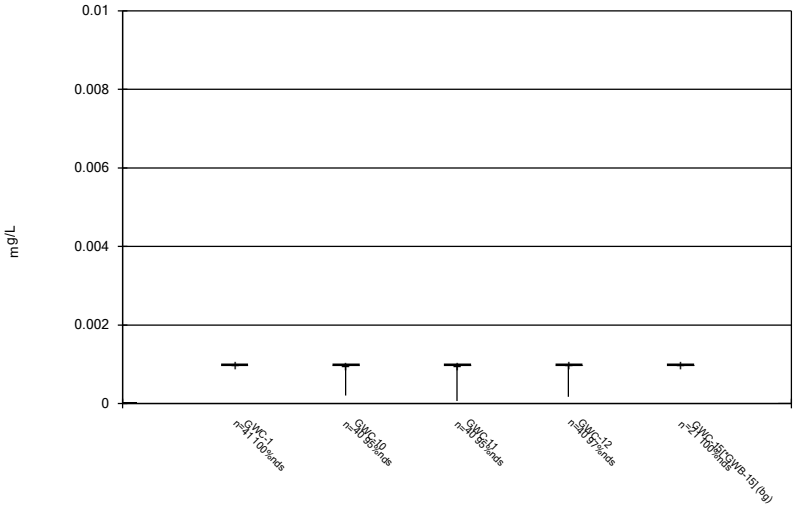


Constituent: Thallium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

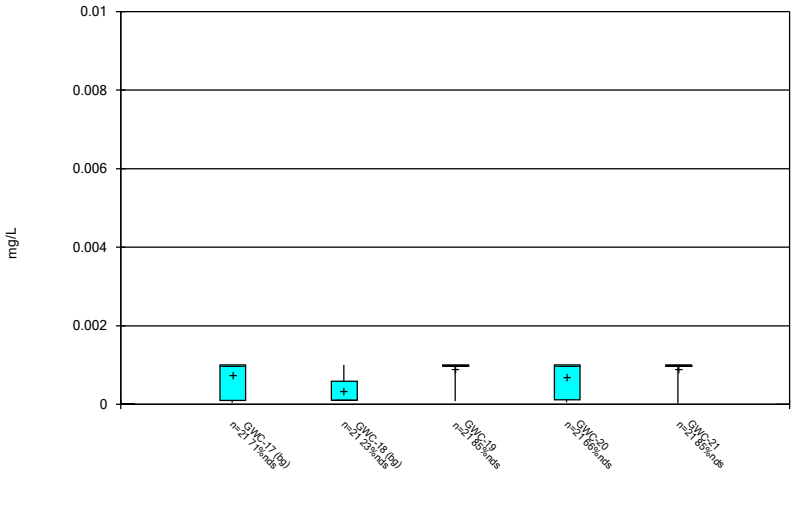


Constituent: Thallium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

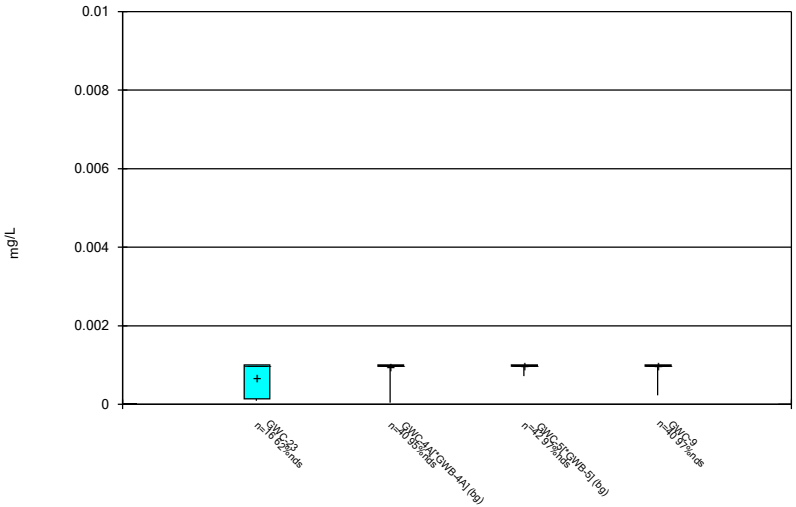


Constituent: Thallium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

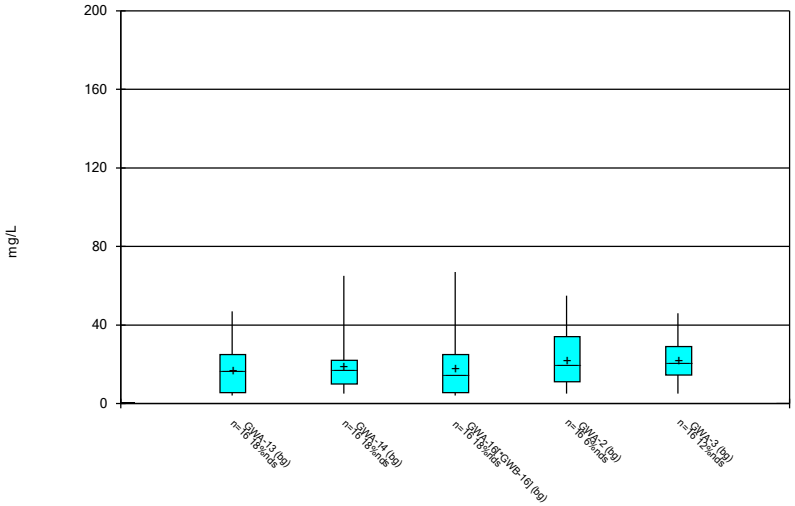


Constituent: Thallium Analysis Run 11/18/2020 9:33 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

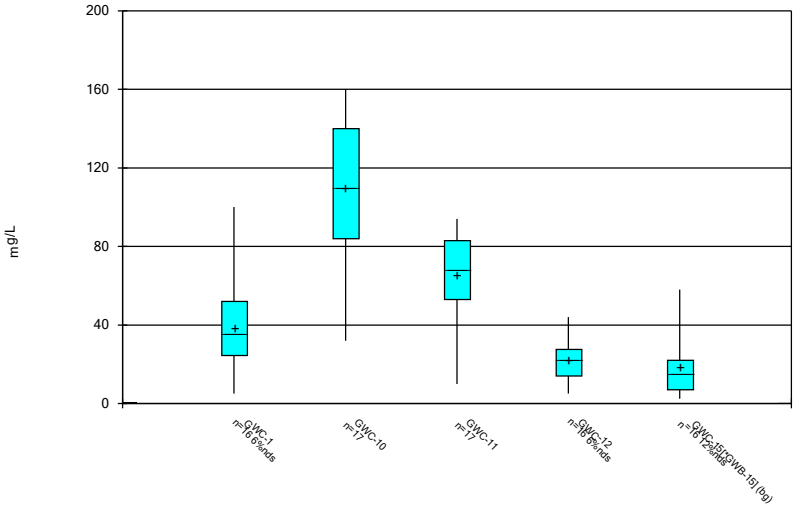
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:34 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

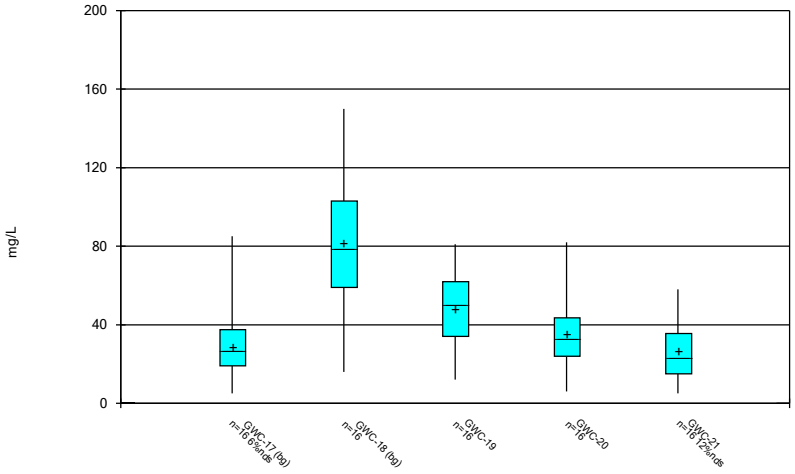
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:34 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

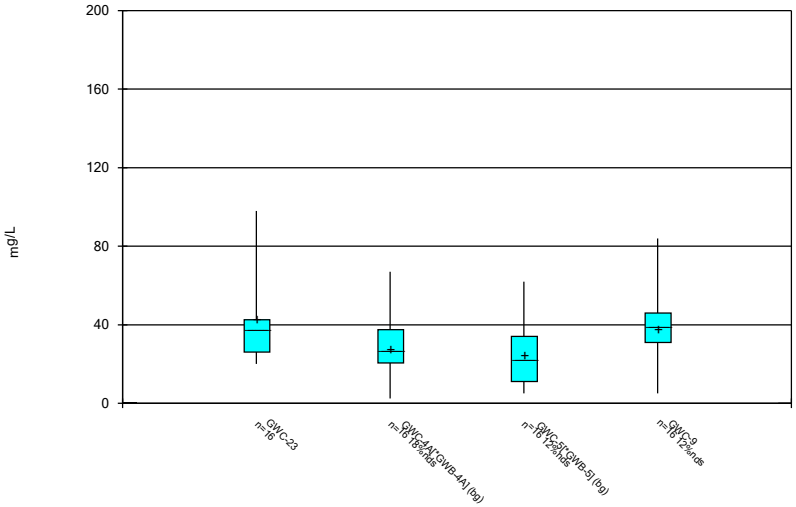
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:34 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

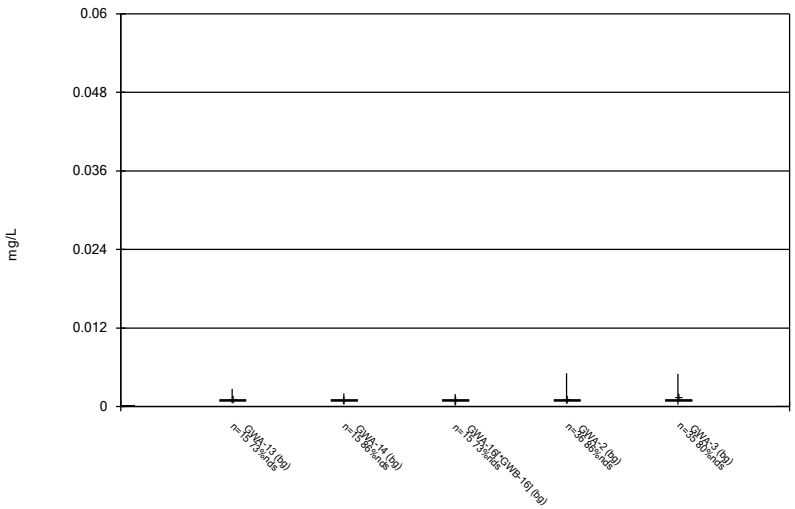
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:34 AM
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

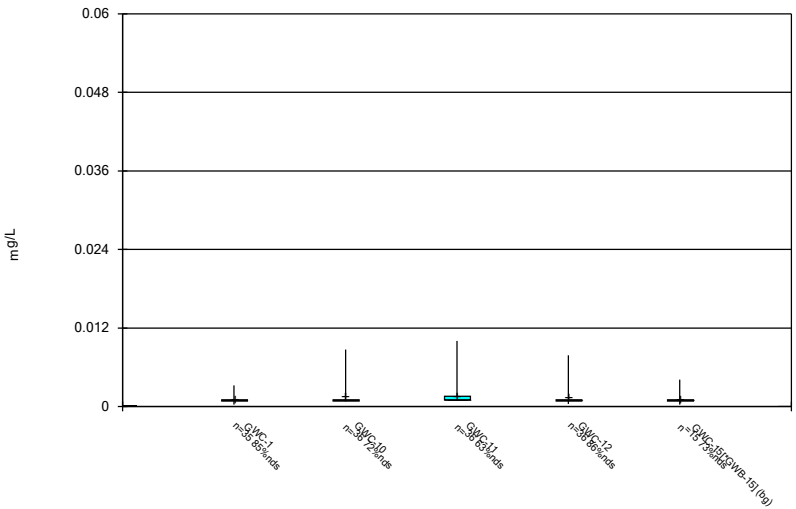


Constituent: Vanadium Analysis Run 11/18/2020 9:34 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

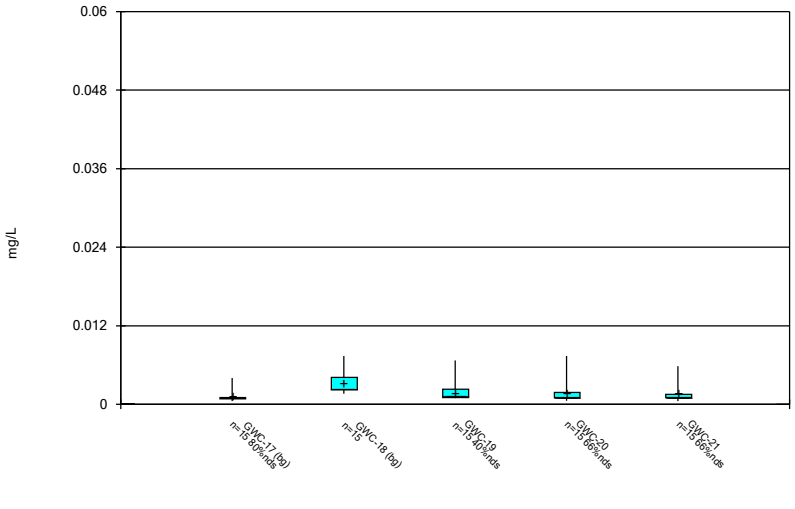


Constituent: Vanadium Analysis Run 11/18/2020 9:34 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

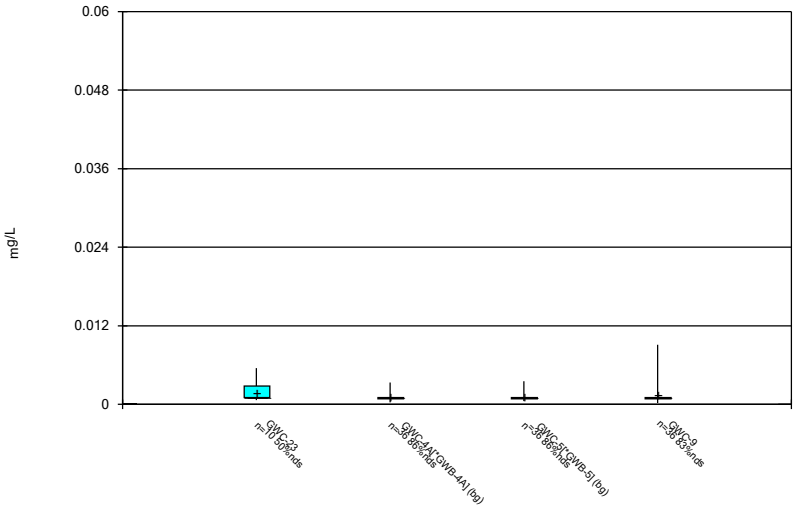


Constituent: Vanadium Analysis Run 11/18/2020 9:34 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

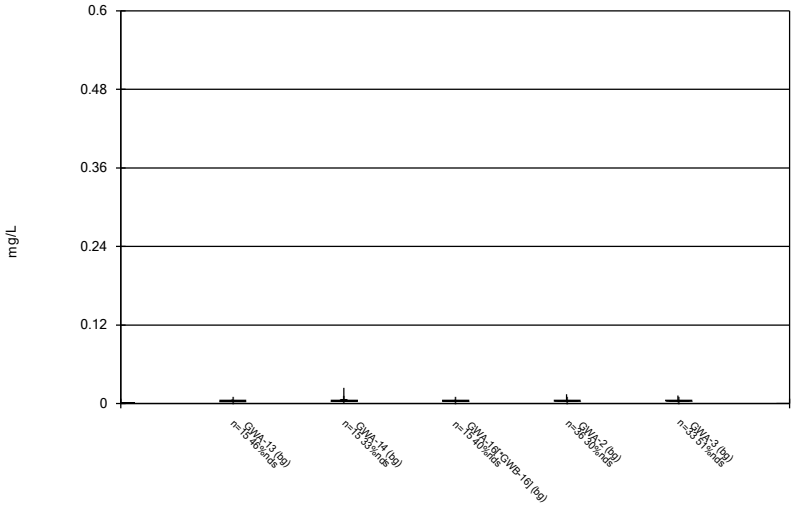


Constituent: Vanadium Analysis Run 11/18/2020 9:34 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

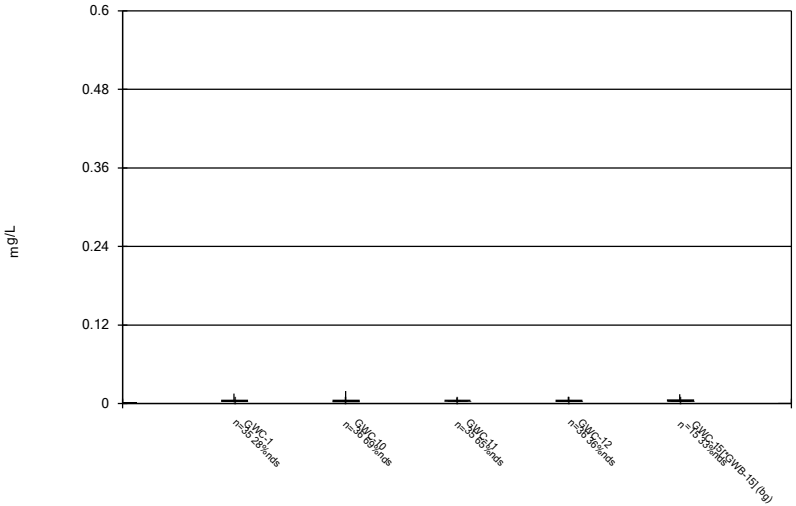


Constituent: Zinc Analysis Run 11/18/2020 9:34 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

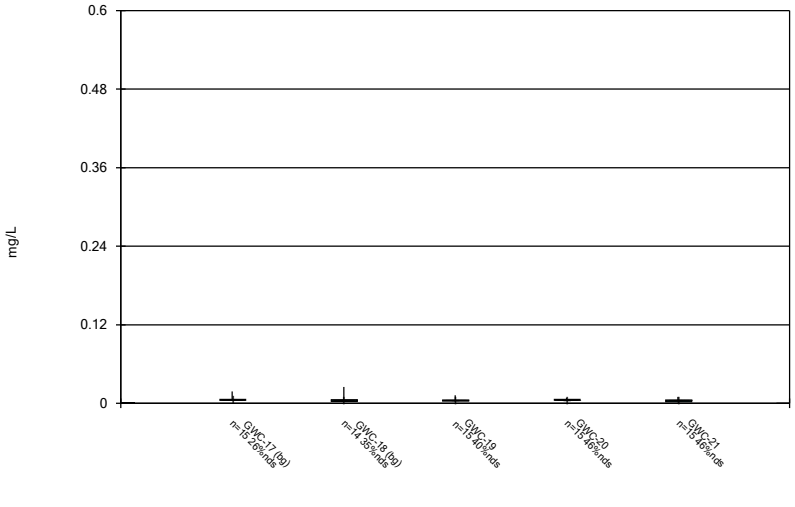


Constituent: Zinc Analysis Run 11/18/2020 9:34 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot

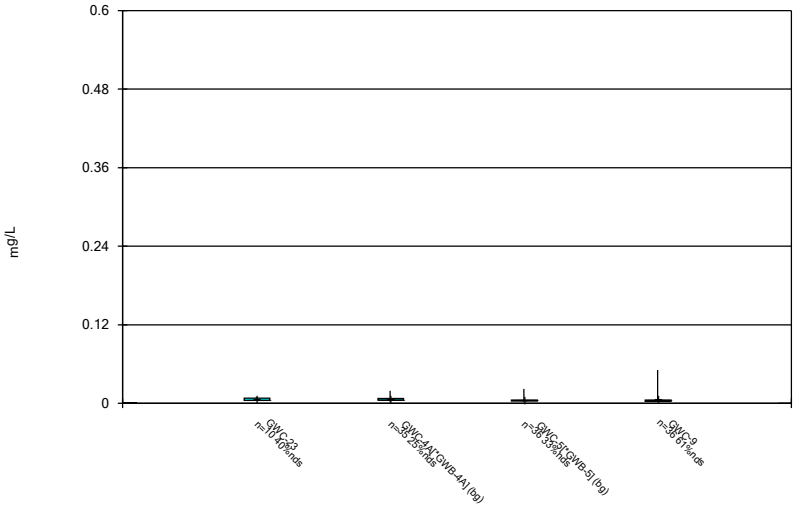


Constituent: Zinc Analysis Run 11/18/2020 9:34 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Box & Whiskers Plot



Constituent: Zinc Analysis Run 11/18/2020 9:34 AM

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

FIGURE C.

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:23 AM

	GWA-3 Barium (mg/L)	GWC-11 Barium (mg/L)	GWC-17 Beryllium (mg/L)	GWA-14 Calcium (mg/L)	GWA-16[*GWB-16] Calcium (mg/L)	GWC-10 Calcium (mg/L)	GWC-17 Calcium (mg/L)	GWC-18 Calcium (mg/L)	GWC-21 Calcium (mg/L)	GWA-2 Chromium (mg/L)	GWA-3 Chromium (mg/L)	GWC-1 Chromium (mg/L)	GWC-19 Chromium (mg/L)
8/25/2004													
9/11/2004													
12/7/2005													
7/6/2007	0.1 (O)												
12/13/2007													
6/20/2008													
12/7/2008	0.097 (O)	0.093 (O)										0.072 (O)	
12/29/2009													
1/5/2011	0.21 (O)										0.077 (O)		
7/9/2011												0.005 (o)	
7/11/2012										0.0061 (O)			
1/19/2013													
7/18/2013													
1/14/2016													
4/19/2016													0.002 (o)
4/20/2016			<0.003 (o)	0.686 (o)			2.48 (o)						
4/21/2016									2.78 (o)				
6/15/2016													
6/16/2016								33.2 (o)	2.9 (o)				
8/9/2016					0.19 (o)								
12/12/2017						23 (O)							
1/30/2019													

Outlier Summary

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:23 AM

	GWC-5[*GWB-5] Chromium (mg/L)	GWC-9 Chromium (mg/L)	GWA-16[*GWB-16] Cobalt (mg/L)	GWC-15[*GWB-15] Cobalt (mg/L)	GWC-21 Cobalt (mg/L)	GWC-21 Copper (mg/L)	GWA-3 Nickel (mg/L)	GWC-18 Sulfate (mg/L)	GWA-3 Vanadium (mg/L)	GWA-3 Zinc (mg/L)	GWC-11 Zinc (mg/L)	GWC-18 Zinc (mg/L)	GWC-4A[*GWB-4A] Zinc (mg/L)
8/25/2004	0.22 (O)												
9/11/2004						0.03 (O)							
12/7/2005													0.06 (O)
7/6/2007		0.0017 (o)							0.045 (O)				
12/13/2007		0.0021 (o)											
6/20/2008		0.0021 (o)											
12/7/2008		0.0018 (o)							0.042 (O)	0.041 (O)			
12/29/2009		0.0021 (o)											
1/5/2011		0.0034 (o)				0.025 (O)		0.056 (O)	0.057 (O)				
7/9/2011		0.0018 (o)											
7/11/2012		0.0038 (o)											
1/19/2013		0.0065 (o)											
7/18/2013		0.0029 (o)											
1/14/2016					0.0064 (o)								
4/19/2016													
4/20/2016			<0.0025 (o)										
4/21/2016				<0.0025 (o)	<0.0025 (o)								
6/15/2016		0.00021 (o)											
6/16/2016							9 (O)						
8/9/2016													
12/12/2017													
1/30/2019											0.5 (o)		

FIGURE D.

Intrawell Prediction Limit Summary - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	**GWA-2**	**0.036**	**n/a**	**9/15/2020**	**0.036**	**Yes**	**14**	**0.000031380**	**0.000007789**	**0**	**None**	**x^3**	**0.0003901**	**Param Intra 1 of 3**
Barium (mg/L)	**GWC-9**	**0.03144**	**n/a**	**9/16/2020**	**0.033**	**Yes**	**37**	**0.02404**	**0.004605**	**0**	**None**	**No**	**0.0003901**	**Param Intra 1 of 3**
Zinc (mg/L)	**GWA-14**	**0.01002**	**n/a**	**9/15/2020**	**0.024**	**Yes**	**10**	**-5.575**	**0.437**	**30**	**Kapla...**	**ln(x)**	**0.0003901**	**Param Intra 1 of 3**

Intrawell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 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	9/15/2020	0.002ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-14	0.002	n/a	9/15/2020	0.00039J	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-2	0.002	n/a	9/15/2020	0.002ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.0022	n/a	9/15/2020	0.002ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.002	n/a	9/15/2020	0.002ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-13	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-14	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-16[*GWB-16]	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.0089	n/a	9/15/2020	0.001ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-10	0.0013	n/a	9/15/2020	0.00041J	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	n/a	9/15/2020	0.0011	No	37	n/a	n/a	70.27	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.001	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-15[*GWB-15]	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-17	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001229	n/a	9/15/2020	0.00076J	No	16	0.0008124	0.0002231	31.25	Kapla...	No	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-19	0.001	n/a	9/16/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-21	0.0022	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001734	n/a	9/15/2020	0.001ND	No	11	0.02695	0.006873	45.45	Kapla...	sqrt(x)	0.0003901	Param Intra 1 of 3
Arsenic (mg/L)	GWC-4A[*GWB-4A]	0.0027	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	75.68	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5[*GWB-5]	0.0027	n/a	9/15/2020	0.001ND	No	39	n/a	n/a	94.87	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.001	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-13	0.01736	n/a	9/15/2020	0.014	No	16	0.01503	0.001248	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWA-14	0.018	n/a	9/15/2020	0.012	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) ...
Barium (mg/L)	GWA-16[*GWB-16]	0.02941	n/a	9/15/2020	0.024	No	16	0.02437	0.002701	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	**GWA-2**	**0.036**	**n/a**	**9/15/2020**	**0.036**	**Yes**	**14**	**0.000031380**	**.0000077890**		**None**	**x^3**	**0.0003901**	**Param Intra 1 of 3**
Barium (mg/L)	GWA-3	0.02553	n/a	9/15/2020	0.015	No	34	0.1258	0.02092	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-1	0.05613	n/a	9/15/2020	0.038	No	18	0.04063	0.008527	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.03867	n/a	9/15/2020	0.023	No	37	-3.803	0.3426	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.026	n/a	9/15/2020	0.015	No	36	n/a	n/a	0	n/a	n/a	0.000111	NP Intra (normality) ...
Barium (mg/L)	GWC-12	0.01492	n/a	9/16/2020	0.011	No	37	0.01205	0.001788	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-15[*GWB-15]	0.02811	n/a	9/15/2020	0.023	No	16	0.0247	0.001826	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-17	0.02102	n/a	9/15/2020	0.018	No	16	0.01799	0.001626	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.05567	n/a	9/15/2020	0.014	No	16	0.02955	0.01398	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.057	n/a	9/16/2020	0.012	No	16	n/a	n/a	0	n/a	n/a	0.001026	NP Intra (normality) ...
Barium (mg/L)	GWC-20	0.04774	n/a	9/15/2020	0.021	No	16	-3.606	0.3019	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-21	0.02848	n/a	9/15/2020	0.021	No	16	-4.006	0.2397	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.08327	n/a	9/15/2020	0.024	No	11	0.05264	0.01433	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-4A[*GWB-4A]	0.03562	n/a	9/16/2020	0.016	No	37	0.02411	0.007165	0	None	No	0.0003901	Param Intra 1 of 3
Barium (mg/L)	GWC-5[*GWB-5]	0.42	n/a	9/15/2020	0.041	No	20	n/a	n/a	0	n/a	n/a	0.0005627	NP Intra (normality) ...
Barium (mg/L)	**GWC-9**	**0.03144**	**n/a**	**9/16/2020**	**0.033**	**Yes**	**37**	**0.02404**	**0.004605**	**0**	**None**	**No**	**0.0003901**	**Param Intra 1 of 3**
Beryllium (mg/L)	GWA-13	0.0025	n/a	9/15/2020	0.0025ND	No	15	n/a	n/a	93.33	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-14	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	n/a	9/15/2020	0.00024J	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-3	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-1	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-10	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-11	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-12	0.0025	n/a	9/16/2020	0.0025ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-17	0.0006922	n/a	9/15/2020	0.00063J	No	15	0.000572	0.00006281	0	None	No	0.0003901	Param Intra 1 of 3
Beryllium (mg/L)	GWC-18	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.0025	n/a	9/16/2020	0.00022J	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-20	0.0025	n/a	9/15/2020	0.00025J	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.0025	n/a	9/15/2020	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	9/16/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-5[*GWB-5]	0.0025	n/a	9/15/2020	0.0025ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.0025	n/a	9/16/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-13	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-14	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-16[*GWB-16]	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-17	0.000773	n/a	9/15/2020	0.00046J	No	16	0.0005946	0.00009557	0	None	No	0.0003901	Param Intra 1 of 3
Cadmium (mg/L)	GWC-18	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-19	0.0025	n/a	9/16/2020	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-20	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	56.25	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-21	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-23	0.0025	n/a	9/15/2020	0.0025ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	9/16/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-13	0.0094	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	80	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-14	0.0047	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-16[*GWB-16]	0.003104	n/a	9/15/2020	0.0015J	No	15	0.03555	0.01054	46.67	Kapla...	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-2	0.002707	n/a	9/15/2020	0.0015J	No	36	0.03983	0.007574	22.22	Kapla...	sqrt(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWA-3	0.002978	n/a	9/15/2020	0.002ND	No	36	-6.609	0.4922	33.33	Kapla...	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-1	0.0049	n/a	9/15/2020	0.002ND	No	36	n/a	n/a	36.11	n/a	n/a	0.000111	NP Intra (normality) ...
Chromium (mg/L)	GWC-10	0.01	n/a	9/15/2020	0.0018J	No	37	n/a	n/a	24.32	n/a	n/a	0.0001035	NP Intra (normality) ...
Chromium (mg/L)	GWC-11	0.009367	n/a	9/15/2020	0.0028	No	37	0.005969	0.002115	2.703	None	No	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-12	0.01	n/a	9/16/2020	0.0016J	No	37	n/a	n/a	21.62	n/a	n/a	0.0001035	NP Intra (normality) ...
Chromium (mg/L)	GWC-15[*GWB-15]	0.0051	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	66.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-17	0.01	n/a	9/15/2020	0.0027	No	15	n/a	n/a	33.33	n/a	n/a	0.001313	NP Intra (normality) ...
Chromium (mg/L)	GWC-18	0.004525	n/a	9/15/2020	0.0025	No	15	-6.131	0.3833	0	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-19	0.004127	n/a	9/16/2020	0.0015J	No	14	-6.285	0.4059	14.29	None	ln(x)	0.0003901	Param Intra 1 of 3
Chromium (mg/L)	GWC-20	0.005	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	86.67	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.35	n/a	9/15/2020	0.002ND	No	15	n/a	n/a	80	n/a	n/a	0.001313	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-23	0.0025	n/a	9/15/2020	0.0023	No	11	n/a	n/a	81.82	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-4A[*GWB-4A]	0.0096	n/a	9/16/2020	0.002ND	No	37	n/a	n/a	67.57	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-5[*GWB-5]	0.0054	n/a	9/15/2020	0.002ND	No	38	n/a	n/a	65.79	n/a	n/a	0.00009598	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-9	0.0043	n/a	9/16/2020	0.002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.0002803	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-13	0.002313	n/a	9/15/2020	0.0025ND	No	16	0.0307	0.009318	12.5	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-14	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	43.75	n/a	n/a	0.001026	NP Intra (normality) ...
Cobalt (mg/L)	GWA-16[*GWB-16]	0.00128	n/a	9/15/2020	0.0025ND	No	15	0.02591	0.005161	0	None	sqrt(x)	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWA-2	0.01	n/a	9/15/2020	0.00099J	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-3	0.0066	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-1	0.0025	n/a	9/15/2020	0.0014J	No	37	n/a	n/a	51.35	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-10	0.0025	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-11	0.0071	n/a	9/15/2020	0.0025ND	No	37	n/a	n/a	81.08	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-12	0.012	n/a	9/16/2020	0.00023J	No	37	n/a	n/a	54.05	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15[*GWB-15]	0.0025	n/a	9/15/2020	0.0025ND	No	15	n/a	n/a	6.667	n/a	n/a	0.001313	NP Intra (normality) ...
Cobalt (mg/L)	GWC-17	0.002397	n/a	9/15/2020	0.0025ND	No	16	0.001142	0.0006723	12.5	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-18	0.0025	n/a	9/15/2020	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.0025	n/a	9/16/2020	0.0025ND	No	16	n/a	n/a	75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-20	0.007687	n/a	9/15/2020	0.00097J	No	16	0.003524	0.00223	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-21	0.015	n/a	9/15/2020	0.00088J	No	15	n/a	n/a	0	n/a	n/a	0.001313	NP Intra (normality) ...
Cobalt (mg/L)	GWC-23	0.01056	n/a	9/15/2020	0.0032	No	11	0.006409	0.001944	0	None	No	0.0003901	Param Intra 1 of 3
Cobalt (mg/L)	GWC-4A[*GWB-4A]	0.013	n/a	9/16/2020	0.0014J	No	37	n/a	n/a	59.46	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5[*GWB-5]	0.011	n/a	9/15/2020	0.0005J	No	39	n/a	n/a	51.28	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-9	0.0055	n/a	9/16/2020	0.00037J	No	37	n/a	n/a	56.76	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-13	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-14	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-16[*GWB-16]	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-2	0.003	n/a	9/15/2020	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-3	0.014	n/a	9/15/2020	0.00095J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-1	0.002	n/a	9/15/2020	0.002ND	No	30	n/a	n/a	100	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-11	0.0027	n/a	9/15/2020	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-12	0.002	n/a	9/16/2020	0.002ND	No	31	n/a	n/a	100	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15[*GWB-15]	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.0021	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-18	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-19	0.002	n/a	9/16/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.002	n/a	9/15/2020	0.002ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-21	0.002	n/a	9/15/2020	0.002ND	No	9	n/a	n/a	77.78	n/a	n/a	0.004675	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	n/a	9/15/2020	0.002ND	No	5	n/a	n/a	80	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-4A[*GWB-4A]	0.0025	n/a	9/16/2020	0.00079J	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5[*GWB-5]	0.0021	n/a	9/15/2020	0.002ND	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0021	n/a	9/16/2020	0.002ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-13	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-14	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-16[*GWB-16]	0.001	n/a	9/15/2020	0.00024J	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-3	0.014	n/a	9/15/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-11	0.001	n/a	9/15/2020	0.001ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-21	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-23	0.001	n/a	9/15/2020	0.001ND	No	11	n/a	n/a	100	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	100	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 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)	GWC-5[*GWB-5]	0.001	n/a	9/15/2020	0.001ND	No	39	n/a	n/a	92.31	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-9	0.0056	n/a	9/16/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-13	0.001	n/a	9/15/2020	0.00037J	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-14	0.0025	n/a	9/15/2020	0.00075J	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-16[*GWB-16]	0.001	n/a	9/15/2020	0.00045J	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-2	0.0043	n/a	9/15/2020	0.00094J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-3	0.001	n/a	9/15/2020	0.00038J	No	29	n/a	n/a	100	n/a	n/a	0.0002074	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-1	0.0025	n/a	9/15/2020	0.0012	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-10	0.0013	n/a	9/15/2020	0.0013	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-11	0.0049	n/a	9/15/2020	0.00063J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-12	0.0057	n/a	9/16/2020	0.00088J	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-15[*GWB-15]	0.001	n/a	9/15/2020	0.00047J	No	10	n/a	n/a	100	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-17	0.004116	n/a	9/15/2020	0.0016	No	10	0.00261	0.0006773	10	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-18	0.0021	n/a	9/15/2020	0.00092J	No	10	0.001687	0.0001857	50	Kapla...	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-19	0.002889	n/a	9/16/2020	0.0012	No	10	0.0019	0.0004447	0	None	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-20	0.006567	n/a	9/15/2020	0.0011	No	10	0.003595	0.001337	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-21	0.0025	n/a	9/15/2020	0.0007J	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-23	0.004782	n/a	9/15/2020	0.0013	No	5	0.001907	0.0006403	20	Kapla...	No	0.0003901	Param Intra 1 of 3
Nickel (mg/L)	GWC-4A[*GWB-4A]	0.0072	n/a	9/16/2020	0.00096J	No	31	n/a	n/a	74.19	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-5[*GWB-5]	0.0031	n/a	9/15/2020	0.00056J	No	31	n/a	n/a	93.55	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-9	0.0033	n/a	9/16/2020	0.00075J	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-13	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-16[*GWB-16]	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-2	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-3	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	86.49	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-1	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-10	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.005	n/a	9/15/2020	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-15[*GWB-15]	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-18	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-19	0.005	n/a	9/16/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-20	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-21	0.005	n/a	9/15/2020	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-4A[*GWB-4A]	0.005	n/a	9/16/2020	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5[*GWB-5]	0.025	n/a	9/15/2020	0.005ND	No	39	n/a	n/a	94.87	n/a	n/a	0.00008849	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.0058	n/a	9/16/2020	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.001	n/a	9/15/2020	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-13	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-14	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-16[*GWB-16]	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-2	0.001	n/a	9/15/2020	0.00029J	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-3	0.001	n/a	9/15/2020	0.00017J	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-10	0.001	n/a	9/15/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-11	0.001	n/a	9/15/2020	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-12	0.001	n/a	9/16/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-17	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-18	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	12.5	n/a	n/a	0.001026	NP Intra (normality) ...
Thallium (mg/L)	GWC-19	0.001	n/a	9/16/2020	0.00026J	No	16	n/a	n/a	93.75	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-20	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	62.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-21	0.001	n/a	9/15/2020	0.001ND	No	16	n/a	n/a	87.5	n/a	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-23	0.001	n/a	9/15/2020	0.001ND	No	11	n/a	n/a	72.73	n/a	n/a	0.002806	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-4A[*GWB-4A]	0.001	n/a	9/16/2020	0.001ND	No	35	n/a	n/a	97.14	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-5[*GWB-5]	0.001	n/a	9/15/2020	0.001ND	No	37	n/a	n/a	97.3	n/a	n/a	0.0001035	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.001	n/a	9/16/2020	0.001ND	No	35	n/a	n/a	100	n/a	n/a	0.0001185	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-13	0.0018	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-14	0.001	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-16[*GWB-16]	0.0015	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-2	0.0051	n/a	9/15/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-3	0.005	n/a	9/15/2020	0.001ND	No	30	n/a	n/a	83.33	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-1	0.0032	n/a	9/15/2020	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.0087	n/a	9/15/2020	0.001ND	No	31	n/a	n/a	80.65	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-11	0.01	n/a	9/15/2020	0.001	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-12	0.0075	n/a	9/16/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15[*GWB-15]	0.0017	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	80	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-17	0.001	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	90	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-18	0.005391	n/a	9/15/2020	0.0022	No	10	0.00283	0.001152	0	None	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-19	0.006157	n/a	9/16/2020	0.001ND	No	10	0.1199	0.02849	20	Kapla...	x^(1/3)	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-20	0.0074	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit Summary - All Results

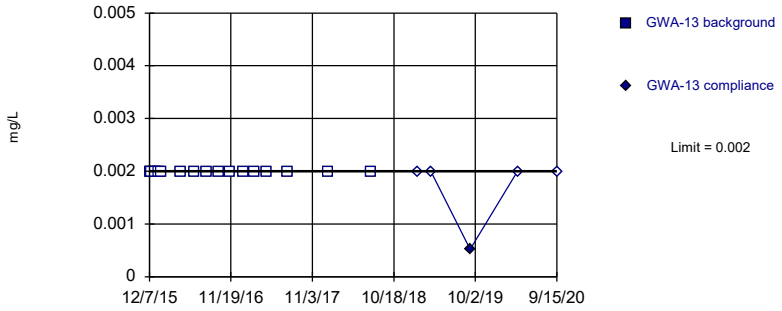
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 11:35 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-21	0.0058	n/a	9/15/2020	0.001ND	No	10	n/a	n/a	70	n/a	n/a	0.00344	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-23	0.006305	n/a	9/15/2020	0.001ND	No	5	0.001498	0.001071	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Vanadium (mg/L)	GWC-4A[*GWB-4A]	0.0033	n/a	9/16/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5[*GWB-5]	0.0035	n/a	9/15/2020	0.001ND	No	31	n/a	n/a	90.32	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0091	n/a	9/16/2020	0.001ND	No	31	n/a	n/a	87.1	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-13	0.00446	n/a	9/15/2020	0.0037J	No	10	0.003017	0.0006491	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	**GWA-14**	**0.01002**	**n/a**	**9/15/2020**	**0.024**	**Yes**	**10**	**-5.575**	**0.437**	**30**	**Kapla...**	**ln(x)**	**0.0003901**	**Param Intra 1 of 3**
Zinc (mg/L)	GWA-16[*GWB-16]	0.005037	n/a	9/15/2020	0.0033J	No	10	0.003817	0.000549	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	n/a	9/15/2020	0.0049J	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) ...
Zinc (mg/L)	GWA-3	0.012	n/a	9/15/2020	0.005ND	No	28	n/a	n/a	46.43	n/a	n/a	0.0002317	NP Intra (normality) ...
Zinc (mg/L)	GWC-1	0.02	n/a	9/15/2020	0.0049J	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) ...
Zinc (mg/L)	GWC-10	0.019	n/a	9/15/2020	0.0043J	No	31	n/a	n/a	70.97	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.0089	n/a	9/15/2020	0.005ND	No	30	n/a	n/a	66.67	n/a	n/a	0.0001831	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005828	n/a	9/16/2020	0.0033J	No	31	0.1507	0.01782	32.26	Kapla...	x^(1/3)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-15[*GWB-15]	0.01135	n/a	9/15/2020	0.0033J	No	10	-5.422	0.4242	30	Kapla...	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-17	0.02	n/a	9/15/2020	0.0052	No	10	n/a	n/a	30	n/a	n/a	0.00344	NP Intra (normality) ...
Zinc (mg/L)	GWC-18	0.01755	n/a	9/15/2020	0.0032J	No	10	-5.696	0.7436	30	Kapla...	ln(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-19	0.009538	n/a	9/16/2020	0.004J	No	10	0.05943	0.01719	40	Kapla...	sqrt(x)	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-20	0.008421	n/a	9/15/2020	0.0044J	No	10	0.004843	0.001609	40	Kapla...	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-21	0.008437	n/a	9/15/2020	0.005ND	No	10	0.00277	0.002548	50	Kapla...	No	0.0003901	Param Intra 1 of 3
Zinc (mg/L)	GWC-23	0.02	n/a	9/15/2020	0.004J	No	5	n/a	n/a	60	n/a	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-4A[*GWB-4A]	0.02	n/a	9/16/2020	0.011	No	30	n/a	n/a	30	n/a	n/a	0.0001831	NP Intra (normality) ...
Zinc (mg/L)	GWC-5[*GWB-5]	0.017	n/a	9/15/2020	0.0049J	No	31	n/a	n/a	32.26	n/a	n/a	0.0001701	NP Intra (normality) ...
Zinc (mg/L)	GWC-9	0.0077	n/a	9/16/2020	0.0035J	No	31	n/a	n/a	64.52	n/a	n/a	0.0001701	NP Intra (NDs) 1 of 3

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



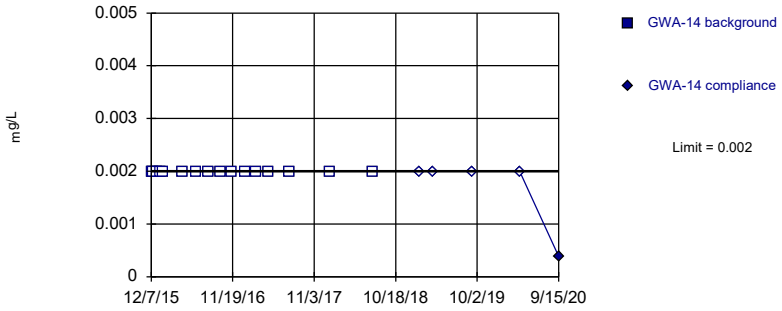
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



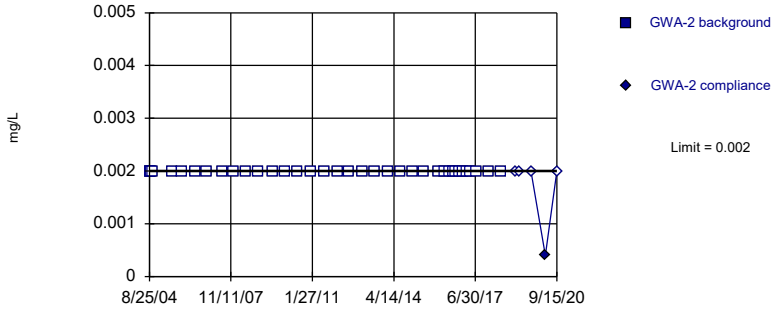
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



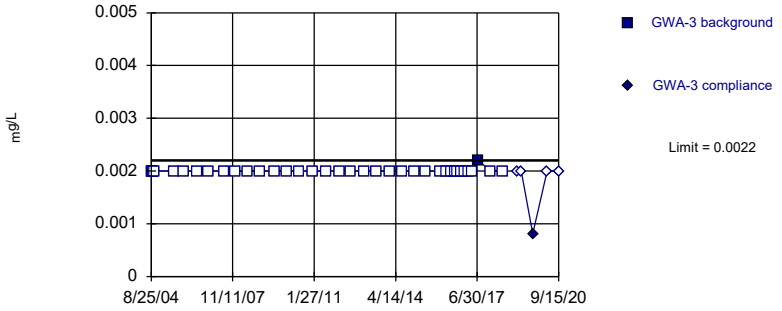
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Antimony Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Antimony Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

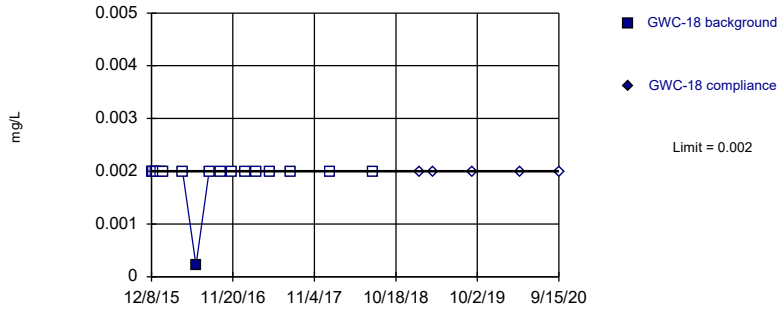
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



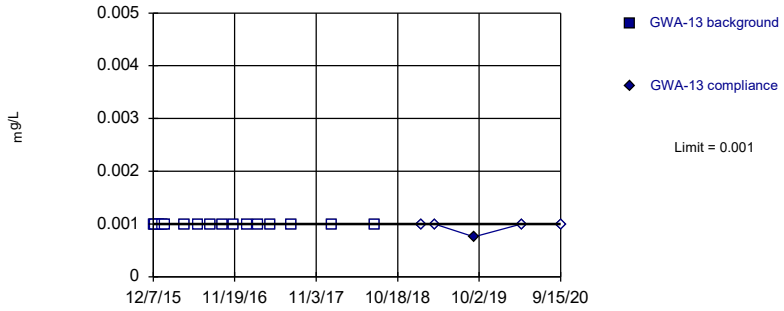
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Antimony Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



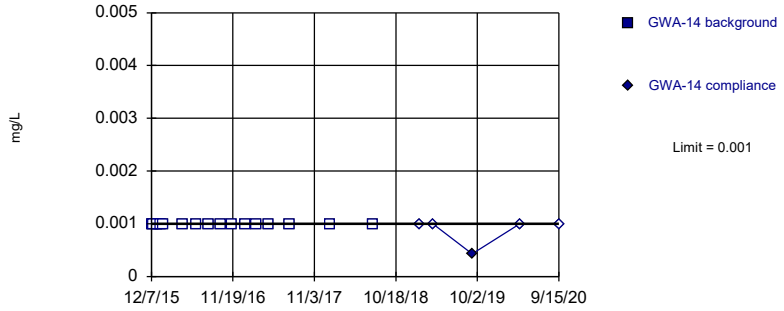
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



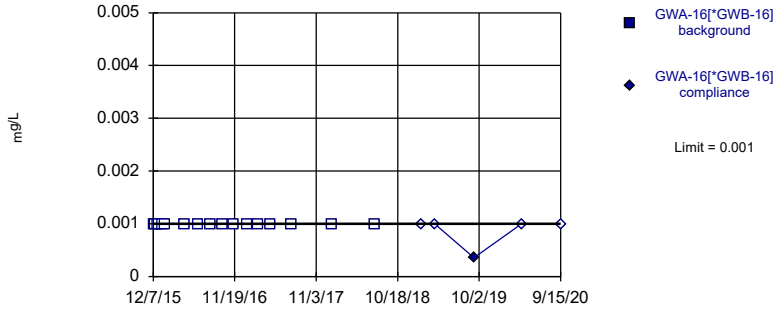
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

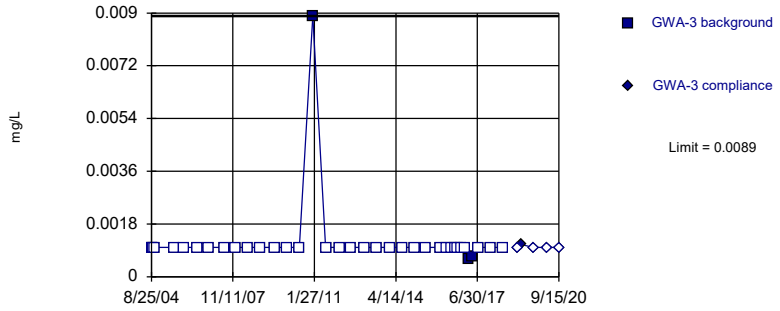
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00036 (J)
4/1/2020		<0.001
9/15/2020		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



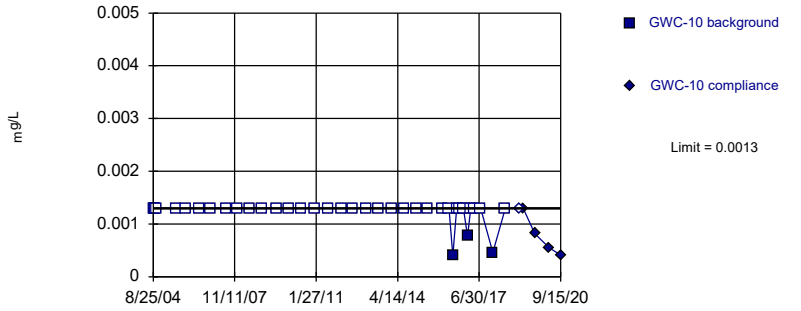
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



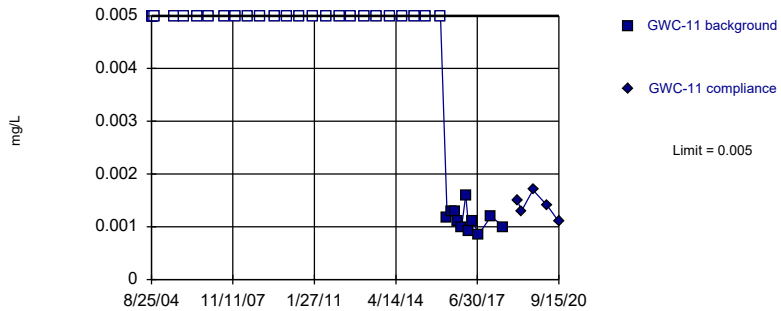
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



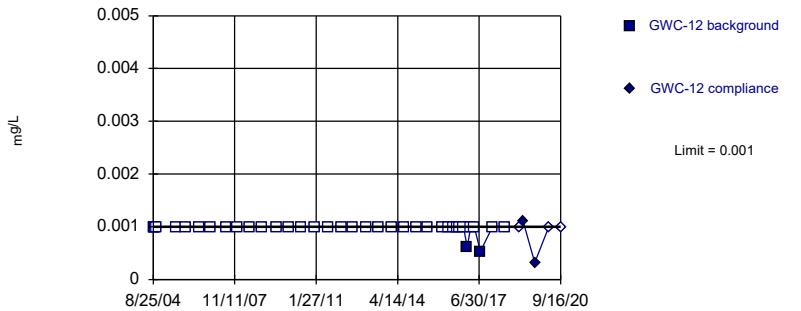
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 70.27% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	
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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-10	GWC-10
8/25/2004	<0.0013	
9/11/2004	<0.0013	
9/26/2004	<0.0013	
10/13/2004	<0.0013	
7/11/2005	<0.0013	
12/7/2005	<0.0013	
6/22/2006	<0.0013	
11/28/2006	<0.0013	
7/6/2007	<0.0013	
12/13/2007	<0.0013	
6/20/2008	<0.0013	
12/7/2008	<0.0013	
7/10/2009	<0.0013	
12/29/2009	<0.0013	
6/22/2010	<0.0013	
1/4/2011	<0.0013	
7/10/2011	<0.0013	
1/21/2012	<0.0013	
7/11/2012	<0.0013	
1/20/2013	<0.0013	
7/19/2013	<0.0013	
1/16/2014	<0.0013	
7/10/2014	<0.0013	
1/16/2015	<0.0013	
6/20/2015	<0.0013	
1/16/2016	<0.0013	
4/21/2016	<0.0013	
6/16/2016	0.0004 (J)	
8/10/2016	<0.0013	
9/27/2016	<0.0013	
11/15/2016	<0.0013	
1/12/2017	0.00077 (J)	
3/1/2017	<0.0013	
4/24/2017	<0.0013	
7/24/2017	<0.0013	
1/11/2018	0.00046 (J)	
7/12/2018	<0.0013	
1/30/2019		<0.0013
3/27/2019		0.0013
9/11/2019		0.00082 (J)
4/1/2020		0.00055 (J)
9/15/2020		0.00041 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

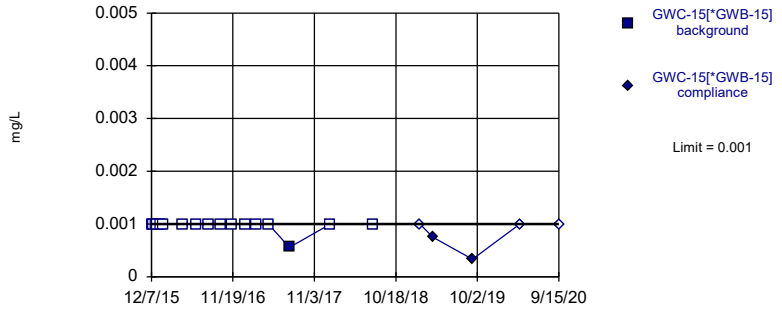
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



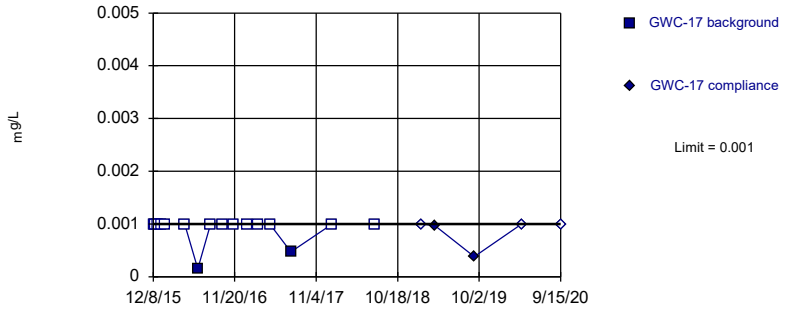
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



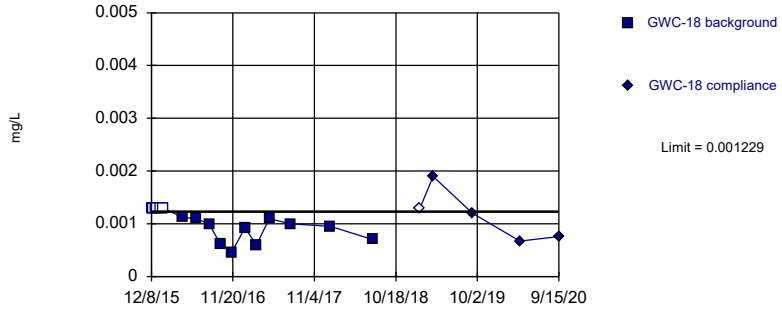
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



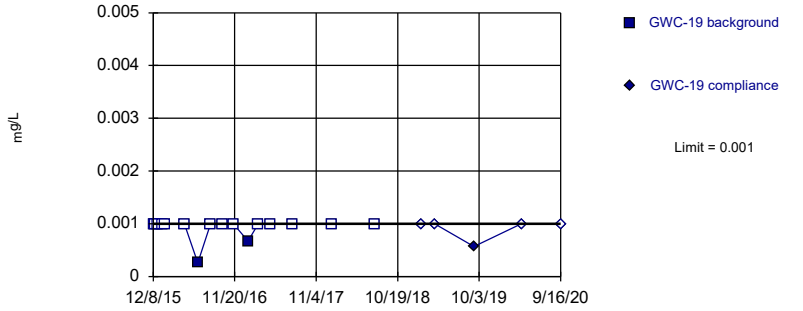
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0008124, Std. Dev.=0.0002231, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/21/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	0.00056 (J)	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.00075
9/11/2019		0.00033 (J)
4/1/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

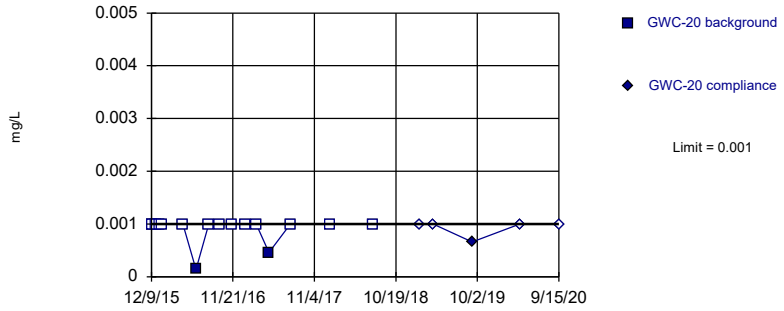
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



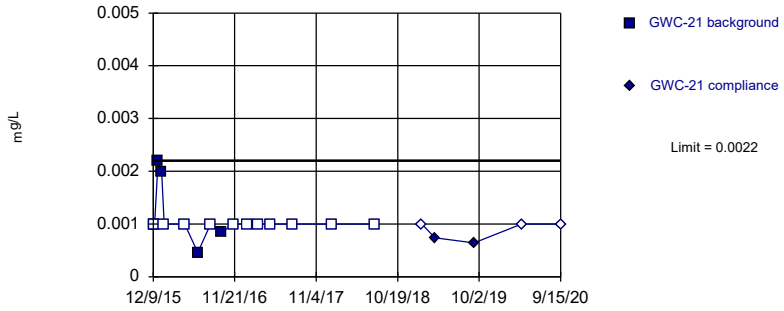
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



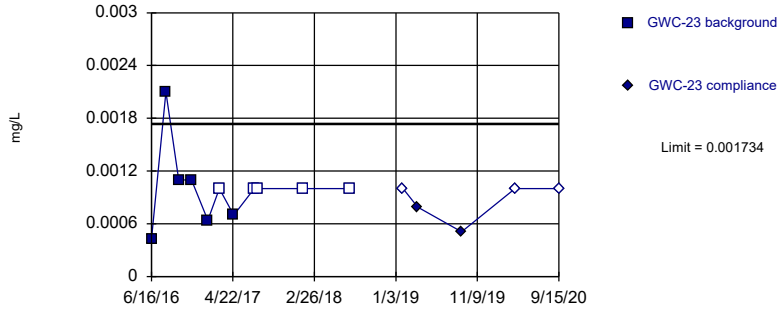
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



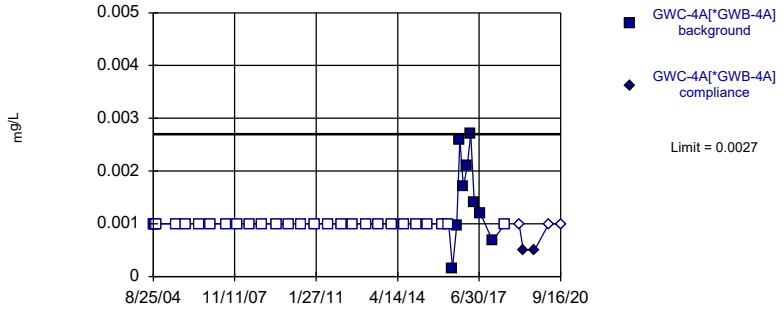
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.02695, Std. Dev.=0.006873, n=11, 45.45% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8486, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Arsenic Analysis Run 11/18/2020 11:22 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

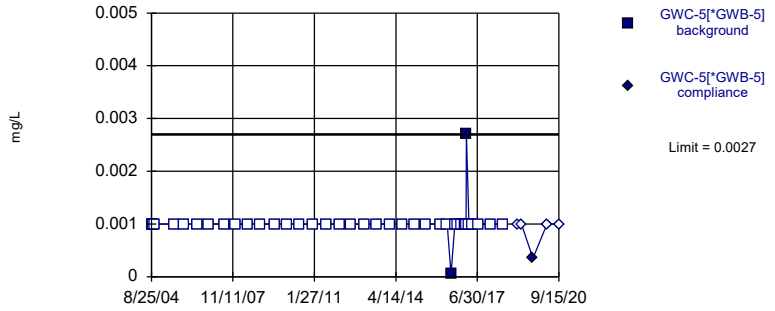
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



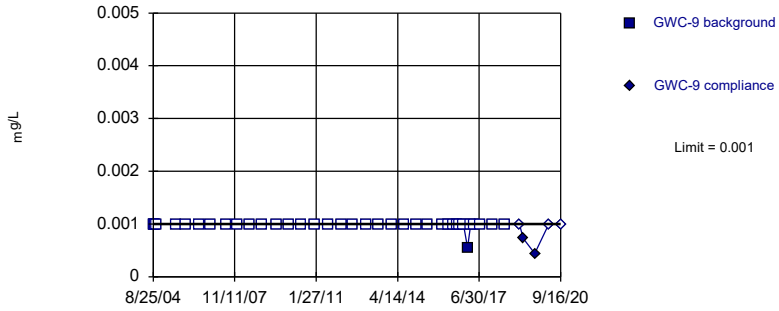
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 94.87% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



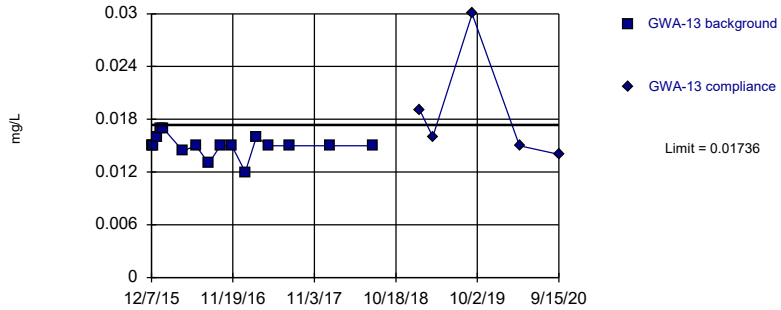
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Arsenic Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Within Limit

Prediction Limit

Intrawell Parametric



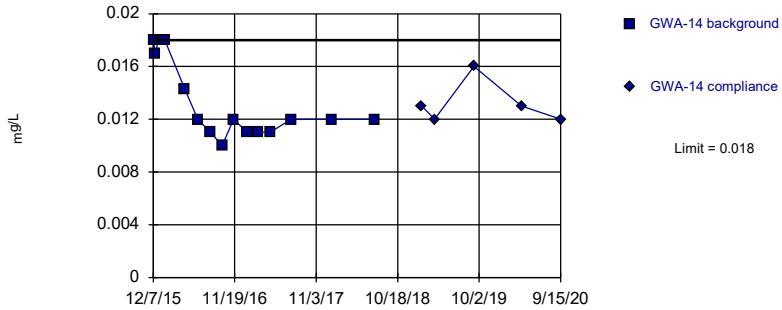
Background Data Summary: Mean=0.01503, Std. Dev.=0.001248, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8447, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	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

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

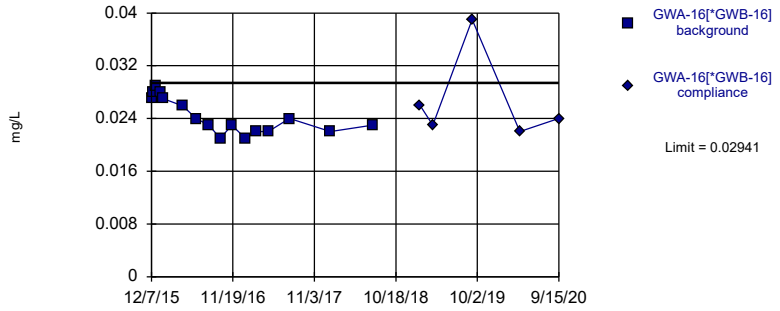
	GWA-14	GWA-14
12/7/2015	0.018	
12/15/2015	0.017	
12/29/2015	0.018	
1/13/2016	0.018	
1/25/2016	0.018	
4/20/2016	0.0143	
6/14/2016	0.012	
8/9/2016	0.011	
9/27/2016	0.01	
11/15/2016	0.012	
1/11/2017	0.011	
2/28/2017	0.011	
4/20/2017	0.011	
7/19/2017	0.012	
1/11/2018	0.012	
7/11/2018	0.012	
1/29/2019		0.013
3/26/2019		0.012
9/10/2019		0.016
4/1/2020		0.013
9/15/2020		0.012

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02437, Std. Dev.=0.002701, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8999, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

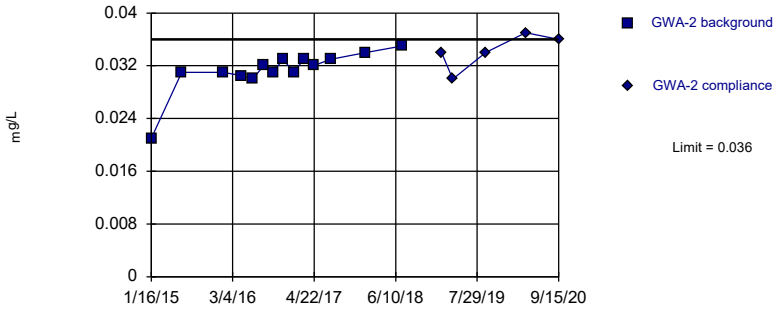
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=0.00003138, Std. Dev.=0.000007789, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8408, critical = 0.825. Kappa = 1.959 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

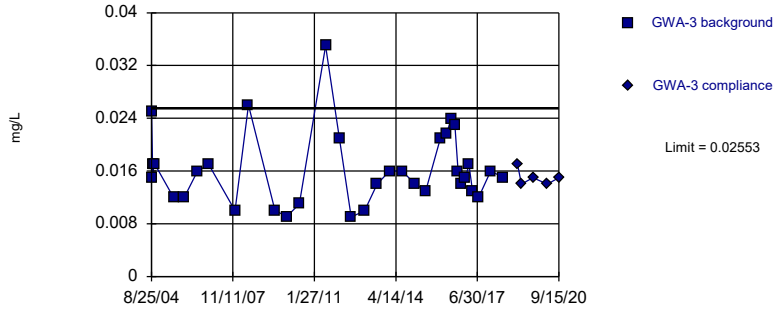
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.1258, Std. Dev.=0.02092, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.908. Kappa = 1.623 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

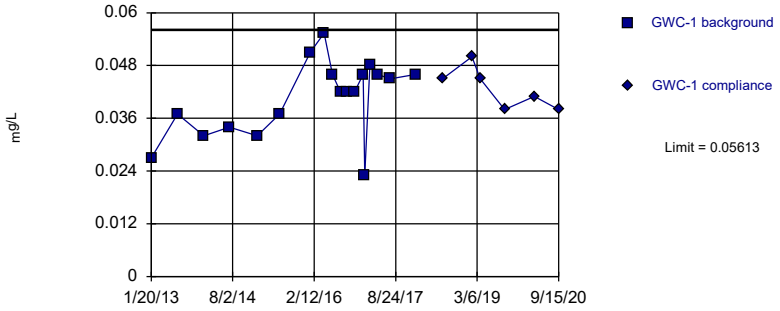
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.04063, Std. Dev.=0.008527, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.858. Kappa = 1.817 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.027	
12/14/2015	0.028	
12/28/2015	0.029	
1/13/2016	0.028	
1/25/2016	0.027	
4/20/2016	0.0259	
6/15/2016	0.024	
8/9/2016	0.023	
9/27/2016	0.021	
11/15/2016	0.023	
1/11/2017	0.021	
3/1/2017	0.022	
4/20/2017	0.022	
7/19/2017	0.024	
1/11/2018	0.022	
7/11/2018	0.023	
1/29/2019		0.026
3/26/2019		0.023
9/10/2019		0.039
4/1/2020		0.022
9/15/2020		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

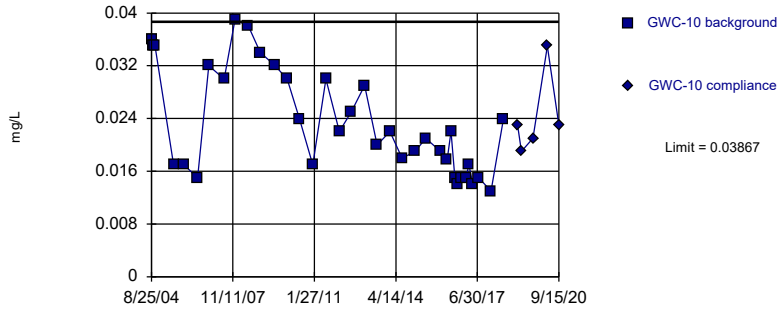
	GWC-1	GWC-1
8/25/2004	0.02	
9/11/2004	0.021	
9/26/2004	0.019	
7/11/2005	0.017	
12/7/2005	0.018	
6/22/2006	0.018	
11/28/2006	0.026	
7/6/2007	0.014	
12/13/2007	0.013	
6/20/2008	0.019	
12/7/2008	0.019	
7/9/2009	0.029	
12/28/2009	0.039	
6/22/2010	0.032	
1/4/2011	0.024	
7/9/2011	0.034	
1/21/2012	0.022	
7/11/2012	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

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.803, Std. Dev.=0.3426, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

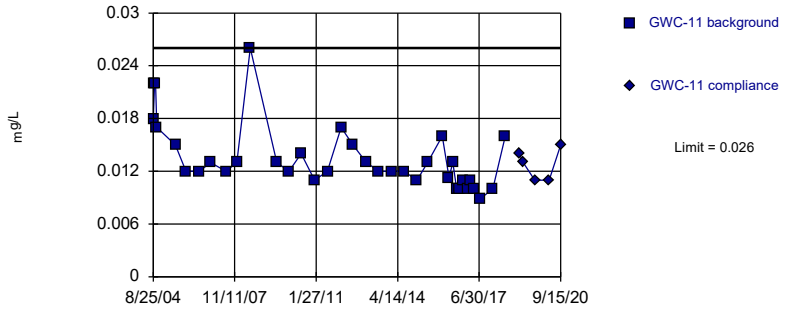
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . 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 36 background values. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

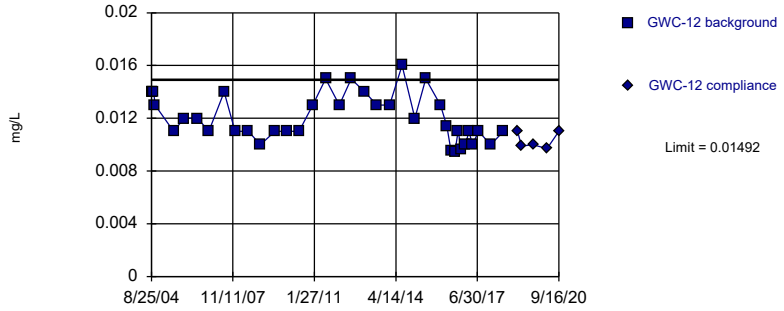
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01205, Std. Dev.=0.001788, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9235, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

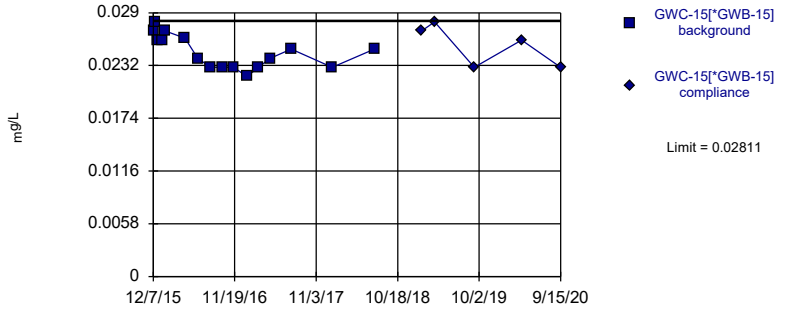
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0247, Std. Dev.=0.001826, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9229, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

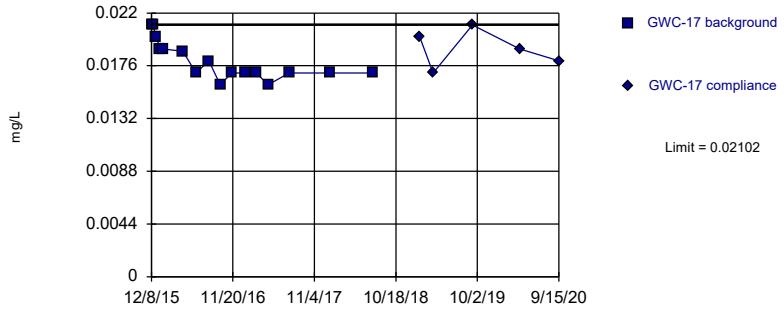
	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.027	
12/15/2015	0.028	
12/28/2015	0.026	
1/13/2016	0.026	
1/25/2016	0.027	
4/21/2016	0.0262	
6/15/2016	0.024	
8/9/2016	0.023	
9/27/2016	0.023	
11/15/2016	0.023	
1/11/2017	0.022	
2/28/2017	0.023	
4/20/2017	0.024	
7/19/2017	0.025	
1/11/2018	0.023	
7/11/2018	0.025	
1/29/2019		0.027
3/26/2019		0.028
9/11/2019		0.023
4/1/2020		0.026
9/15/2020		0.023

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01799, Std. Dev.=0.001626, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8624, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

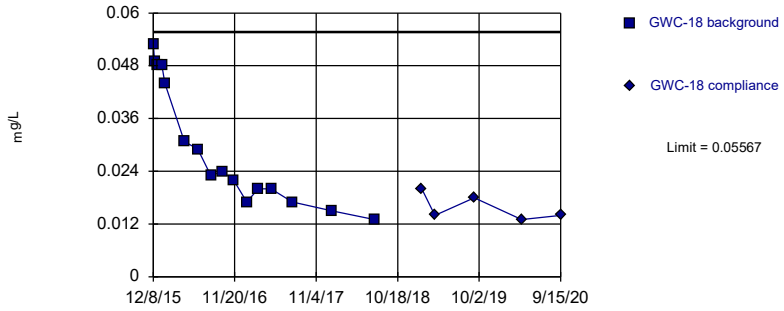
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02955, Std. Dev.=0.01398, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8601, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

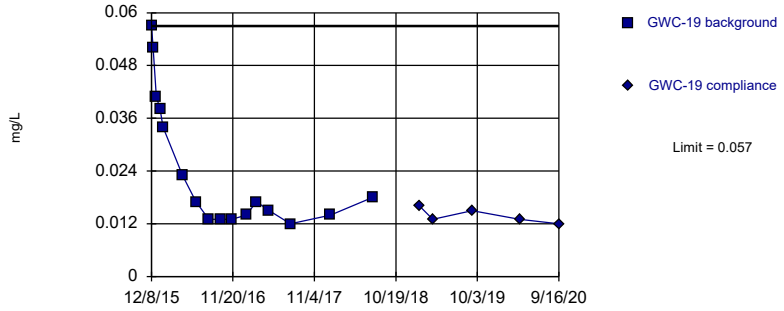
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

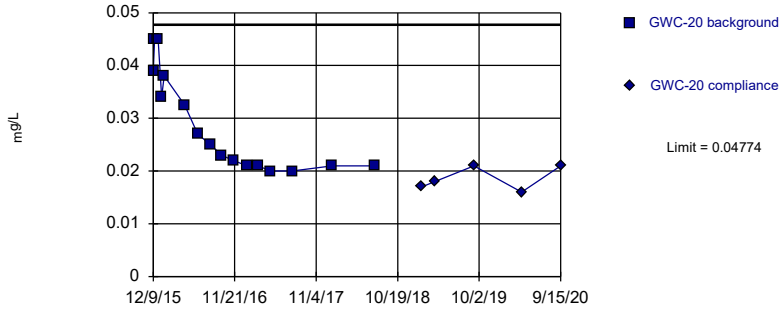
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-3.606, Std. Dev.=0.3019, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8457, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

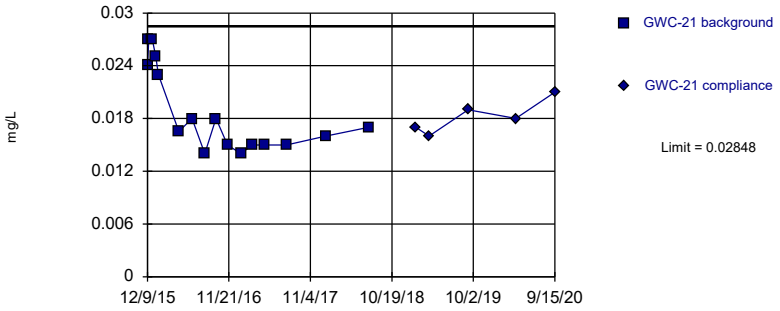
	GWC-20	GWC-20
12/9/2015	0.039	
12/14/2015	0.045	
12/29/2015	0.045	
1/14/2016	0.034	
1/25/2016	0.038	
4/21/2016	0.0325	
6/16/2016	0.027	
8/10/2016	0.025	
9/27/2016	0.023	
11/15/2016	0.022	
1/13/2017	0.021	
3/1/2017	0.021	
4/25/2017	0.02	
7/25/2017	0.02	
1/12/2018	0.021	
7/11/2018	0.021	
1/29/2019		0.017
3/27/2019		0.018
9/11/2019		0.021
4/1/2020		0.016
9/15/2020		0.021

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-4.006, Std. Dev.=0.2397, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8501, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

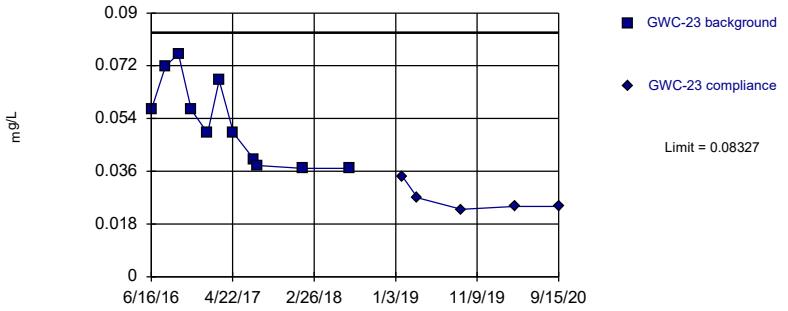
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.05264, Std. Dev.=0.01433, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8994, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

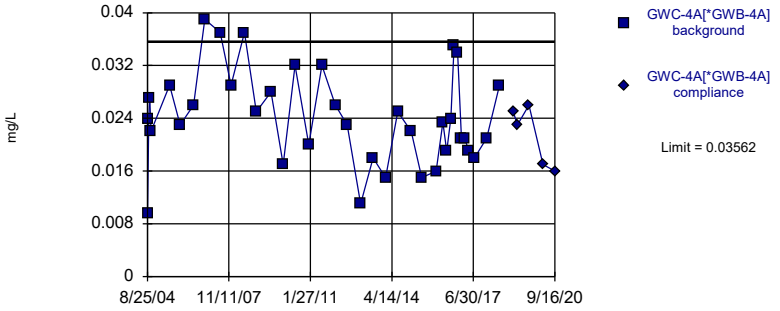
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02411, Std. Dev.=0.007165, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9779, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

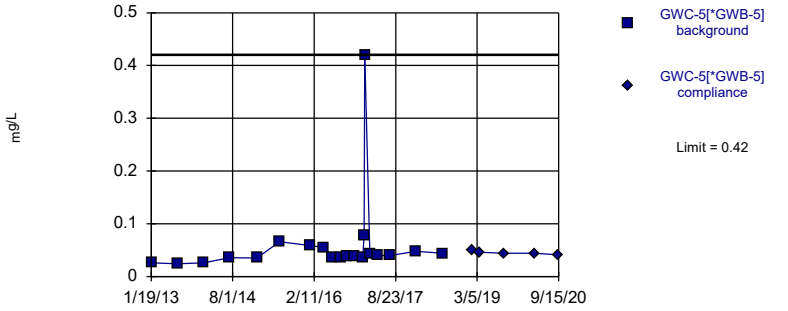
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . 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 20 background values. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	0.0096	
9/11/2004	0.024	
9/26/2004	0.027	
10/13/2004	0.022	
7/11/2005	0.029	
12/7/2005	0.023	
6/22/2006	0.026	
11/28/2006	0.039	
7/6/2007	0.037	
12/13/2007	0.029	
6/20/2008	0.037	
12/7/2008	0.025	
7/9/2009	0.028	
12/30/2009	0.017	
6/22/2010	0.032	
1/4/2011	0.02	
7/10/2011	0.032	
1/21/2012	0.026	
7/11/2012	0.023	
1/20/2013	0.011	
7/19/2013	0.018	
1/16/2014	0.015	
7/10/2014	0.025	
1/16/2015	0.022	
6/20/2015	0.015	
1/14/2016	0.016	
4/20/2016	0.0234	
6/14/2016	0.019	
8/11/2016	0.024	
9/27/2016	0.035	
11/14/2016	0.034	
1/10/2017	0.021	
2/28/2017	0.021	
4/20/2017	0.019	
7/18/2017	0.018	
1/10/2018	0.021	
7/11/2018	0.029	
1/29/2019		0.025
3/26/2019		0.023
9/10/2019		0.026
3/31/2020		0.017
9/16/2020		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.016	
9/11/2004	0.02	
9/26/2004	0.016	
10/13/2004	0.014	
7/11/2005	0.014	
12/7/2005	0.014	
6/22/2006	0.019	
11/28/2006	0.016	
7/6/2007	0.018	
12/13/2007	0.015	
6/20/2008	0.018	
12/7/2008	0.016	
7/9/2009	0.019	
12/29/2009	0.02	
6/22/2010	0.027	
1/4/2011	0.025	
7/9/2011	0.022	
1/21/2012	0.024	
7/11/2012	0.024	
1/19/2013	0.026	
7/18/2013	0.024	
1/15/2014	0.026	
7/10/2014	0.036	
1/15/2015	0.035	
6/19/2015	0.066	
1/14/2016	0.059	
4/20/2016	0.0553	
6/14/2016	0.035	
8/9/2016	0.035	
9/27/2016	0.038	
11/15/2016	0.039	
1/11/2017	0.037	
1/19/2017	0.079	
1/24/2017	0.42	
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

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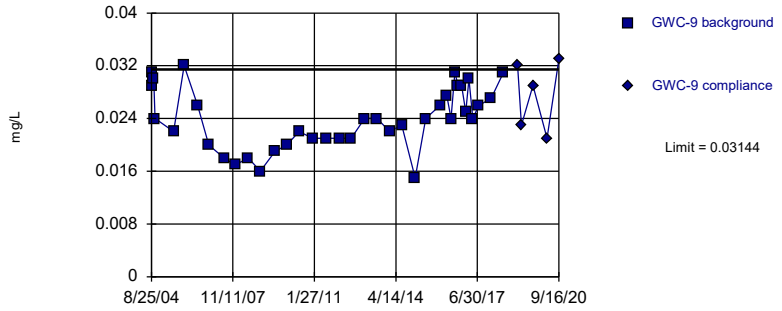
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02404, Std. Dev.=0.004605, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9616, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Barium Analysis Run 11/18/2020 11:23 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

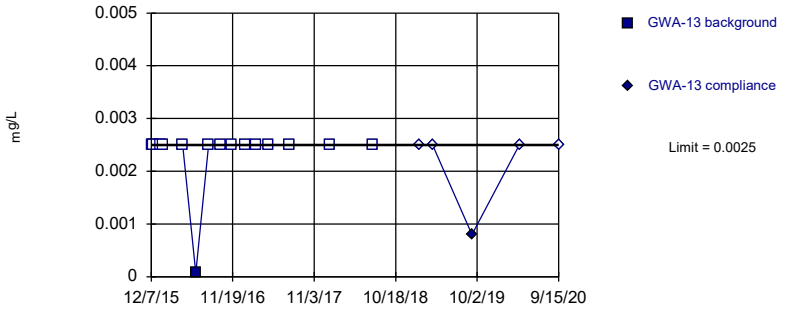
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:23 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

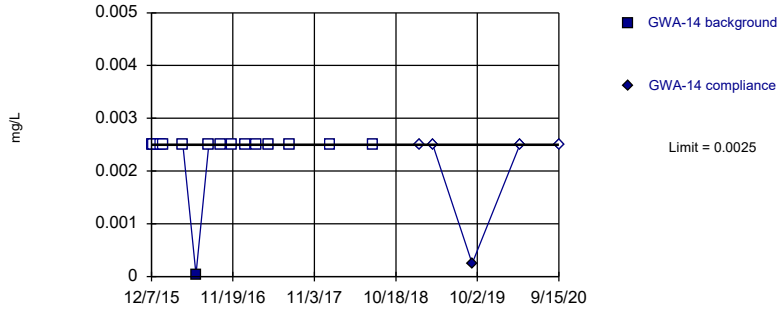
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:23 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

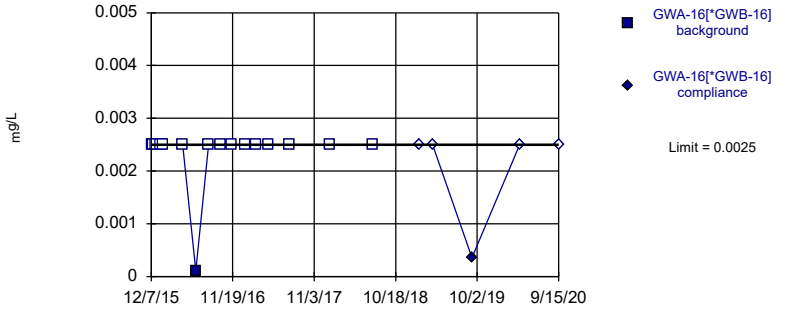
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:23 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

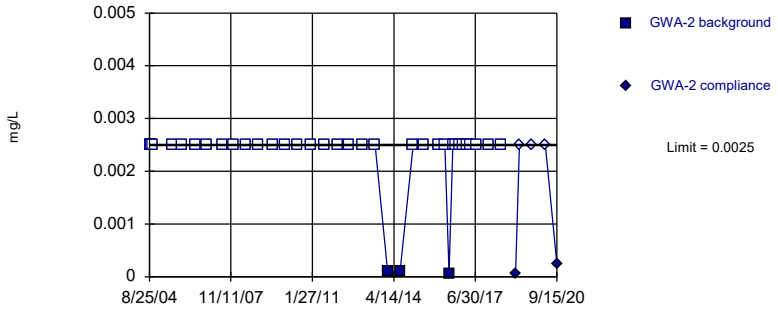
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	0.00011 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00036 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



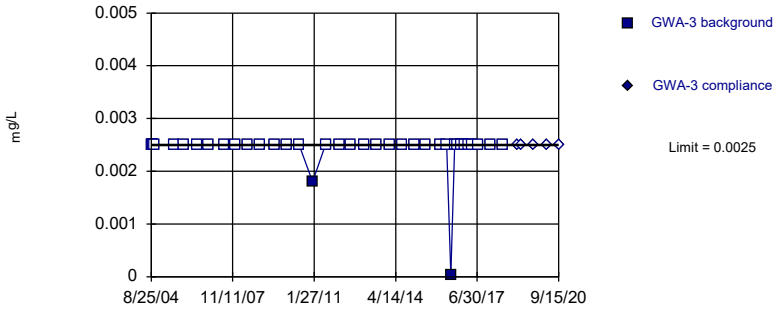
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



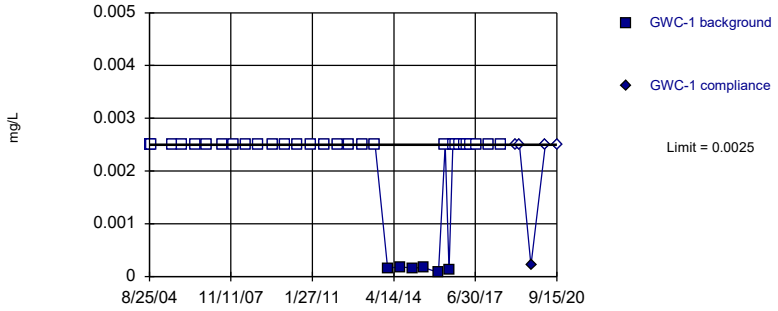
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



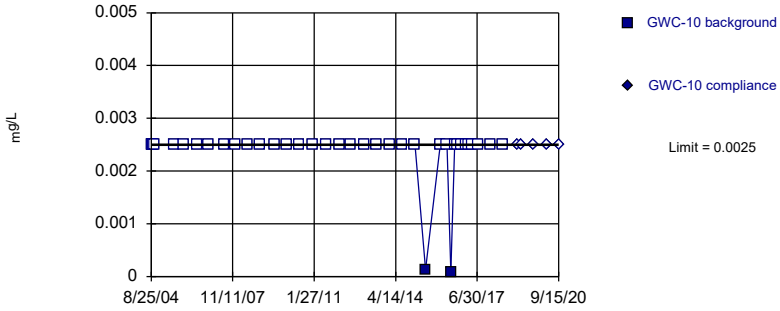
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

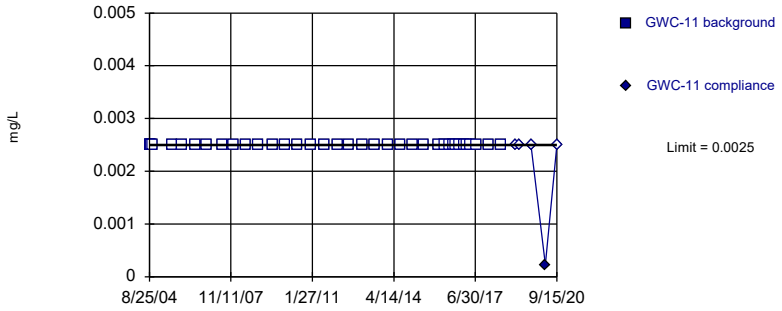
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



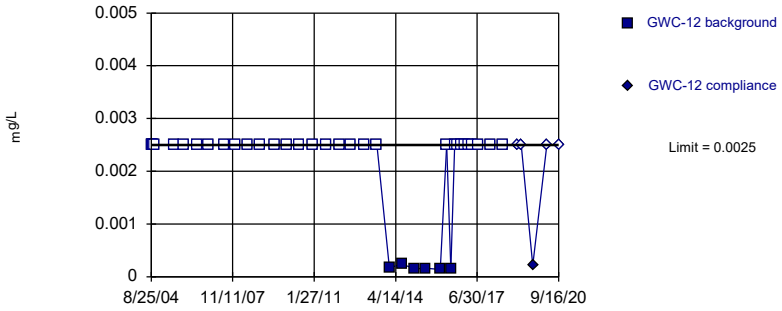
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:23 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



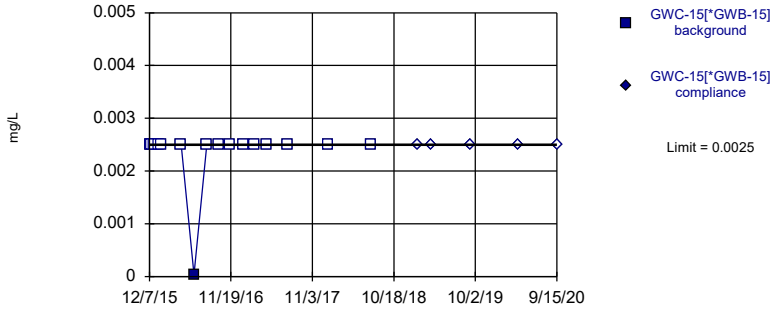
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



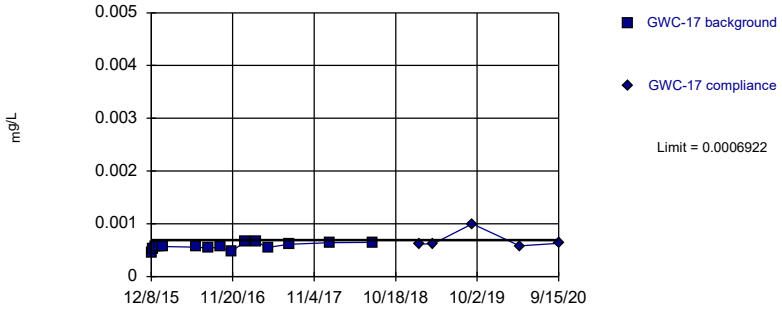
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.000572, Std. Dev.=0.00006281, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9284, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/21/2016	<0.0025	
6/15/2016	3.8E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/11/2019		<0.0025
4/1/2020		<0.0025
9/15/2020		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

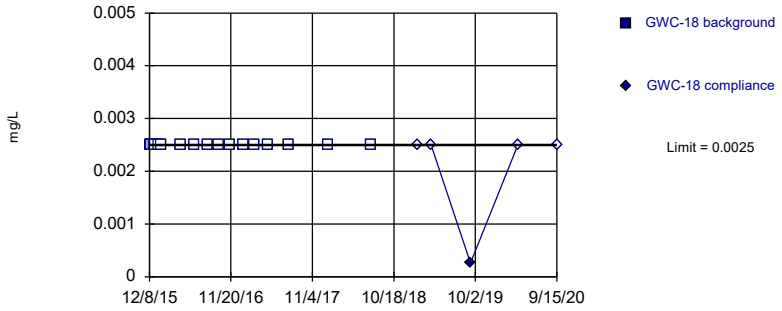
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



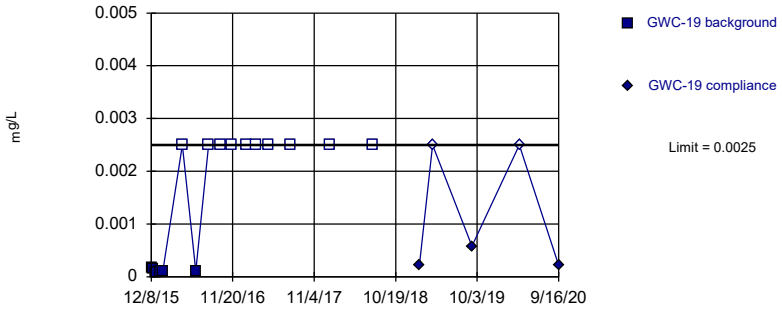
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



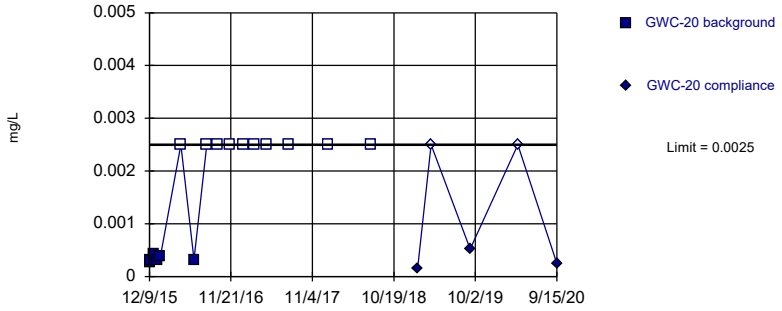
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



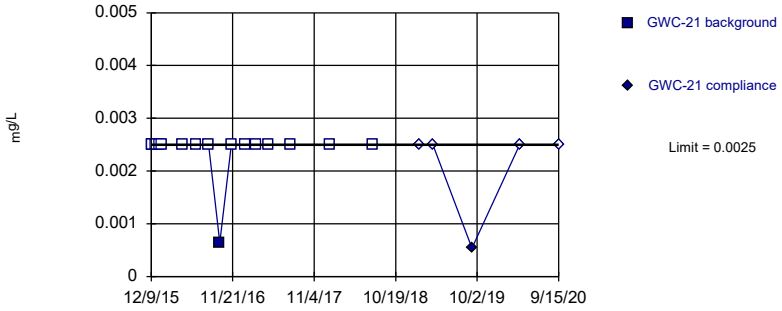
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

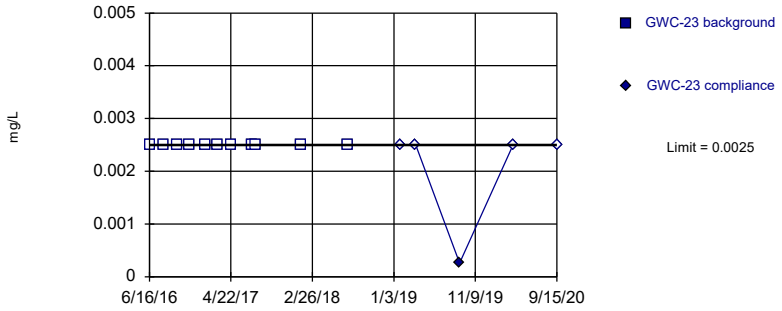
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



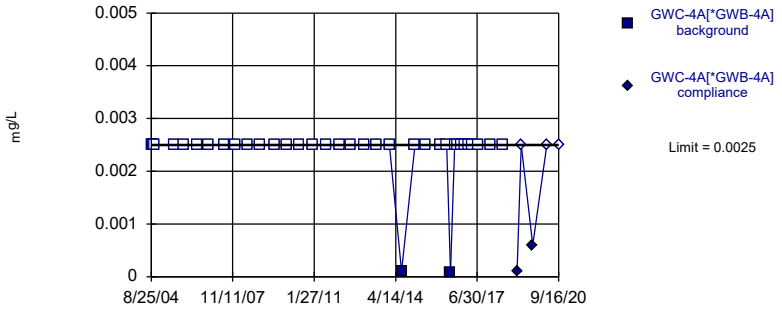
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



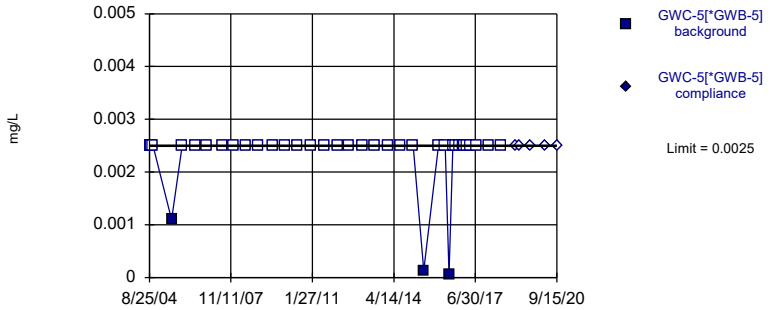
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



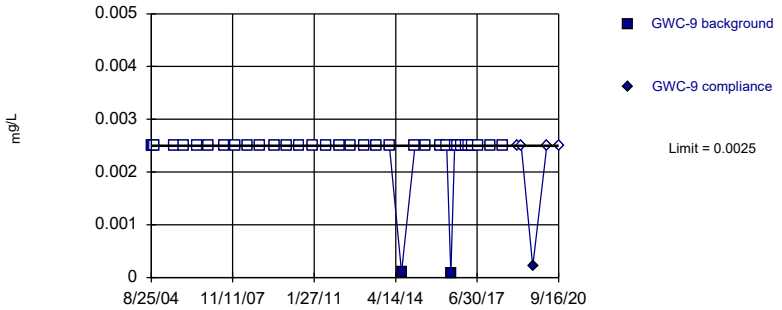
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Beryllium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	0.0001 (J)	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	8.7E-05 (J)	
8/11/2016	<0.0025	
9/27/2016	<0.0025	
11/14/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.00011 (J)
3/26/2019		<0.0025
9/10/2019		0.0006 (J)
3/31/2020		<0.0025
9/16/2020		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	0.0011	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	<0.0025	
7/10/2014	<0.0025	
1/15/2015	<0.0025	
6/19/2015	0.00013 (J)	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	5.4E-05 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
1/19/2017	<0.0025	
1/24/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		<0.0025
3/31/2020		<0.0025
9/15/2020		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

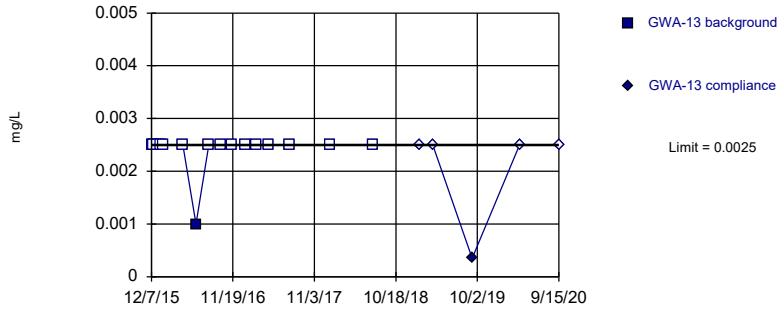
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



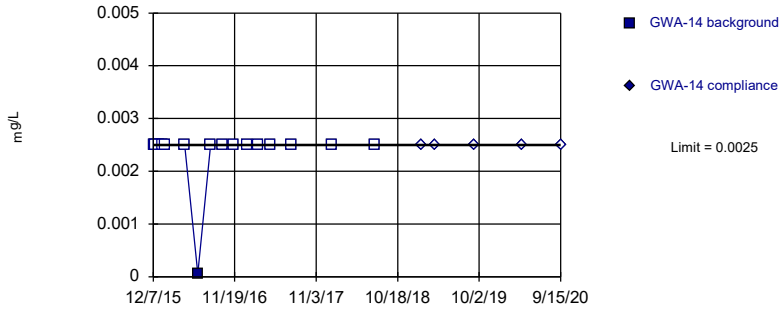
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



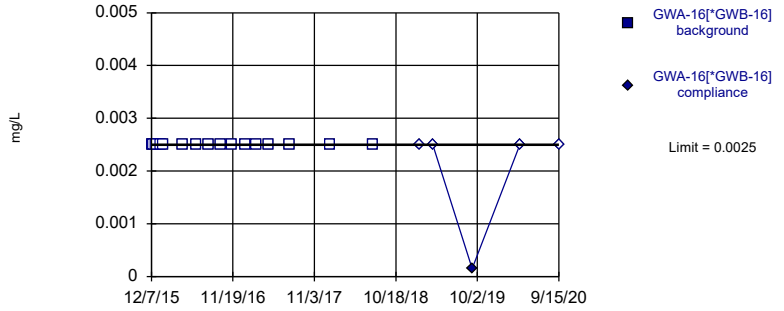
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



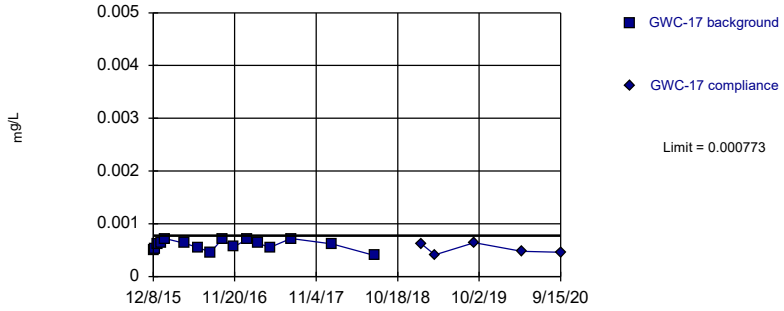
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0005946, Std. Dev.=0.00009557, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9467, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	<0.0025	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	<0.0025	
1/11/2017	<0.0025	
3/1/2017	<0.0025	
4/20/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00015 (J)
4/1/2020		<0.0025
9/15/2020		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

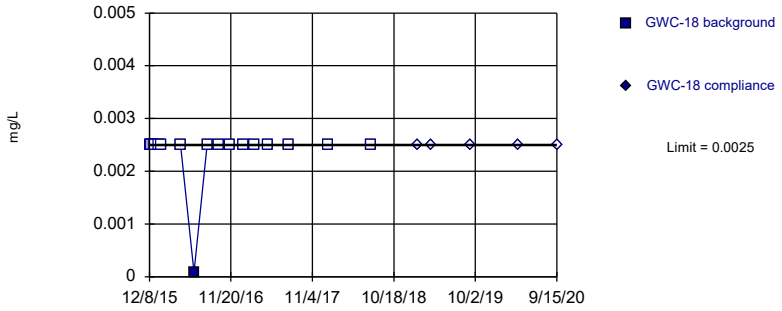
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



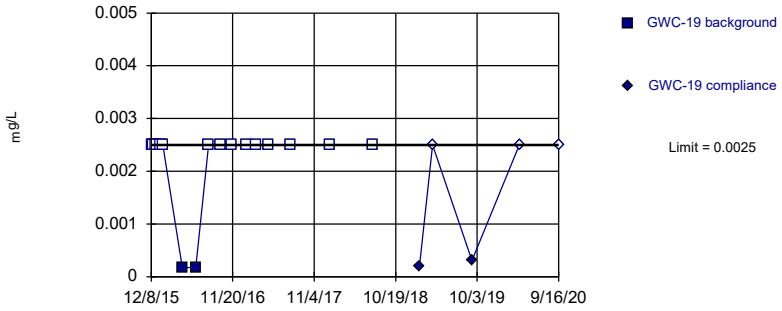
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



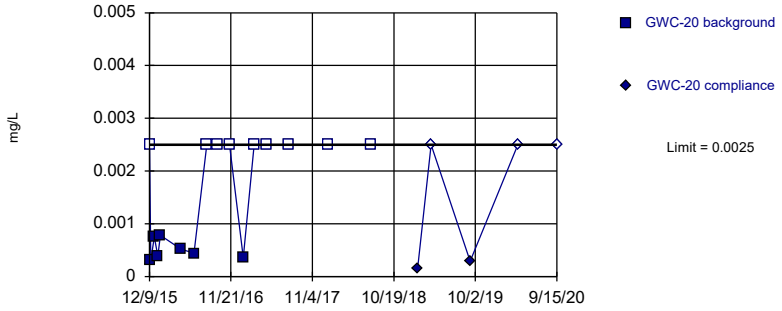
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



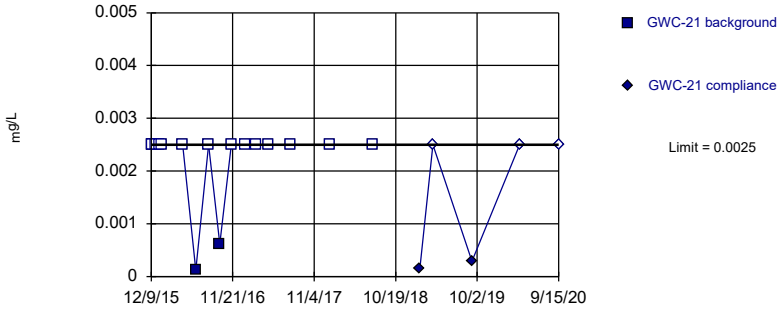
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

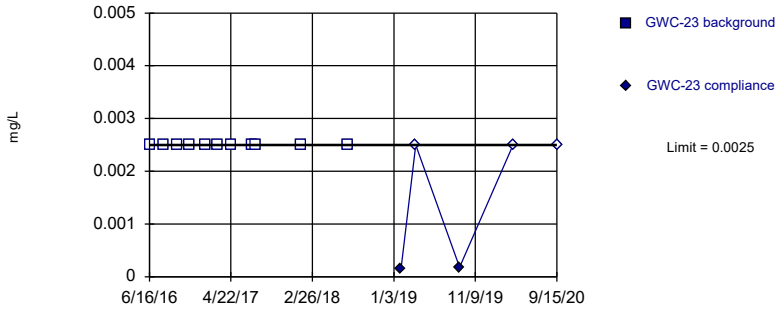
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



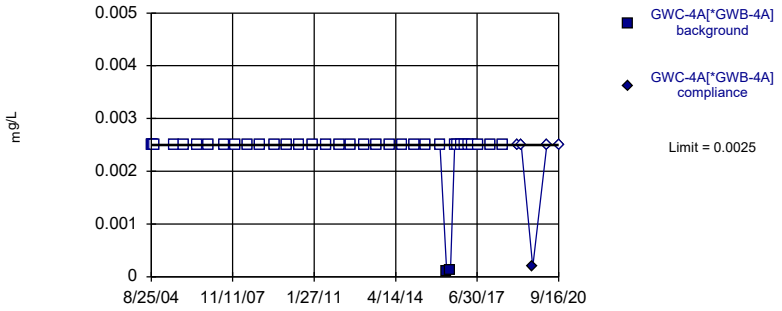
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



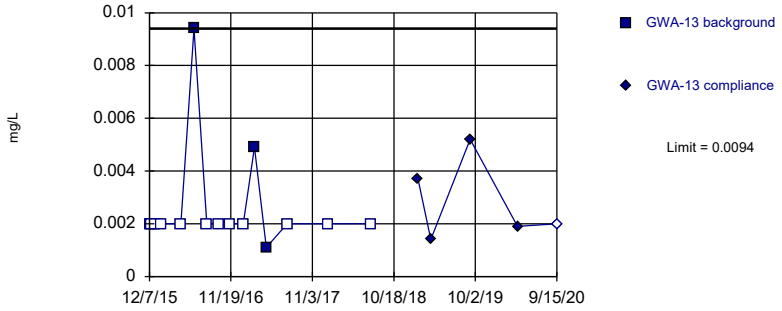
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cadmium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



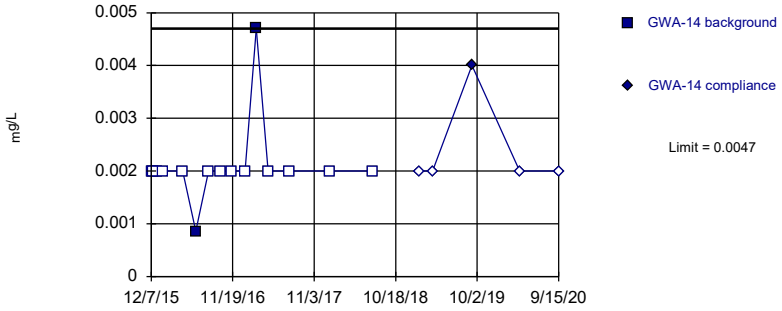
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:36 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	0.000111 (J)	
6/14/2016	0.00013 (J)	
8/11/2016	<0.0025	
9/27/2016	<0.0025	
11/14/2016	<0.0025	
1/10/2017	<0.0025	
2/28/2017	<0.0025	
4/20/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		<0.0025
9/10/2019		0.00019 (J)
3/31/2020		<0.0025
9/16/2020		<0.0025

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	<0.002	
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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

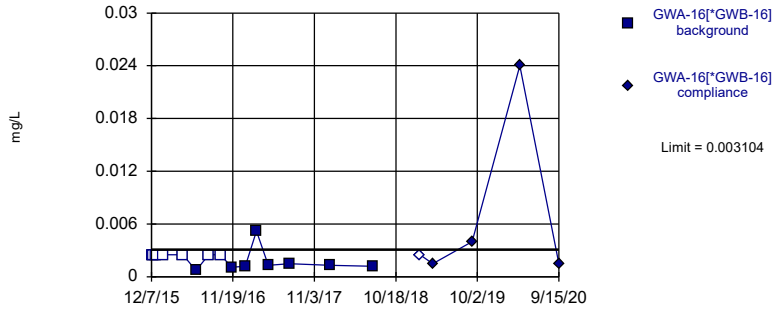
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



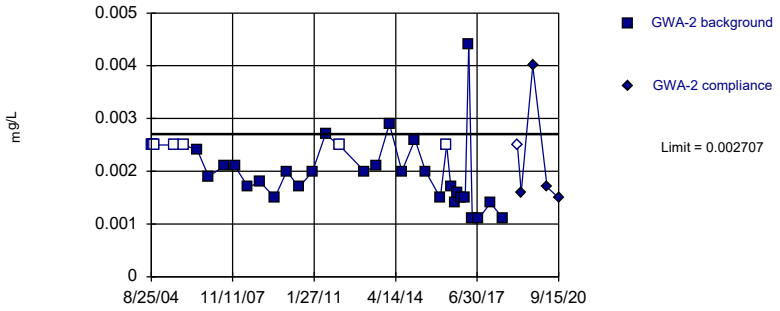
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03555, Std. Dev.=0.01054, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



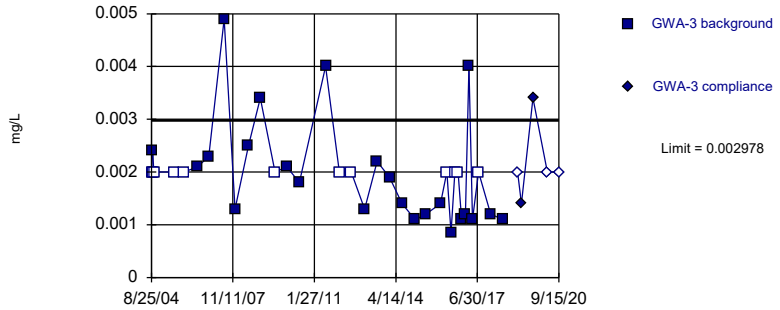
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03983, Std. Dev.=0.007574, n=36, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9394, critical = 0.912. Kappa = 1.611 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



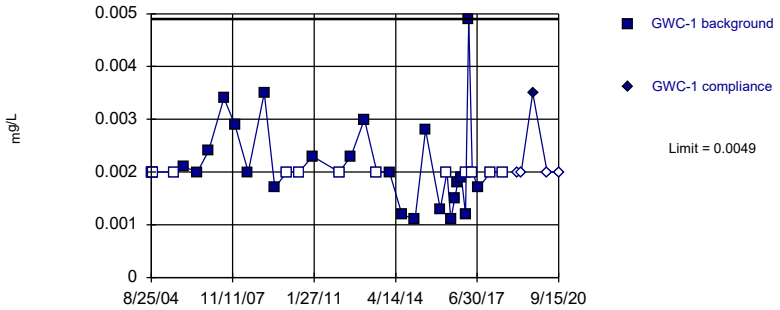
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.609, Std. Dev.=0.4922, n=36, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9209, critical = 0.912. Kappa = 1.611 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . 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 36 background values. 36.11% NDs. Well-constituent pair annual alpha = 0.0002219. Individual comparison alpha = 0.000111 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.0025	
12/14/2015	<0.0025	
12/28/2015	<0.0025	
1/25/2016	<0.0025	
4/20/2016	<0.0025	
6/15/2016	0.00072 (J)	
8/9/2016	<0.0025	
9/27/2016	<0.0025	
11/15/2016	0.0011 (J)	
1/11/2017	0.0012 (J)	
3/1/2017	0.0052	
4/20/2017	0.0013 (J)	
7/19/2017	0.0015 (J)	
1/11/2018	0.0013 (J)	
7/11/2018	0.0012 (J)	
1/29/2019		<0.0025
3/26/2019		0.0015
9/10/2019		0.004
4/1/2020		0.024
9/15/2020		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

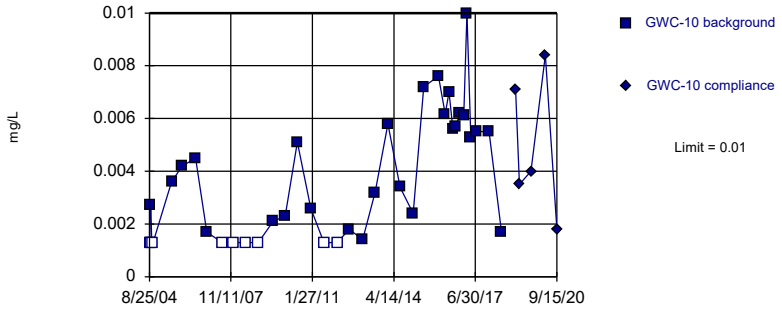
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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 (o)	
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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



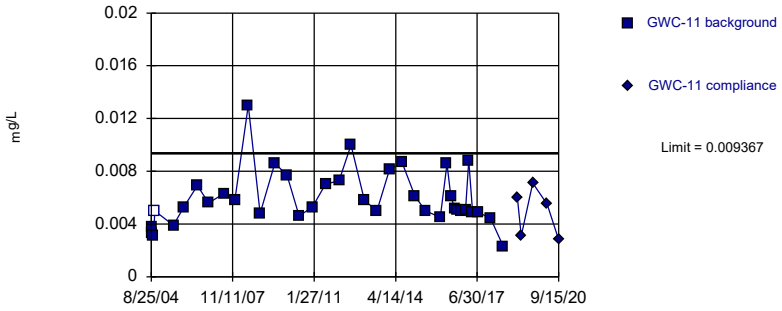
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 24.32% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



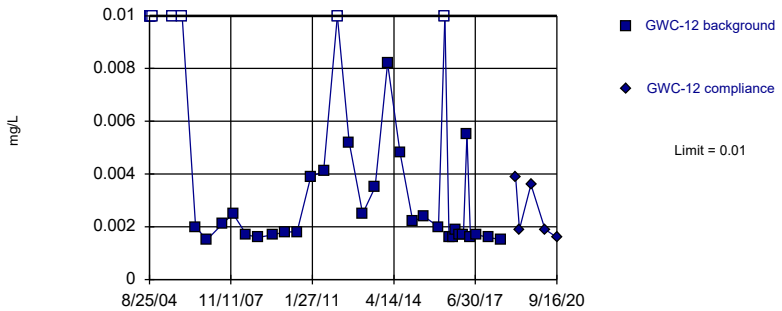
Background Data Summary: Mean=0.005969, Std. Dev.=0.002115, n=37, 2.703% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.914. Kappa = 1.606 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 11/18/2020 11:24 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



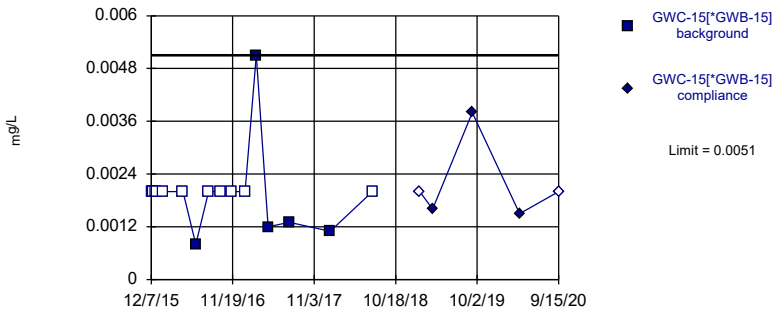
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 21.62% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

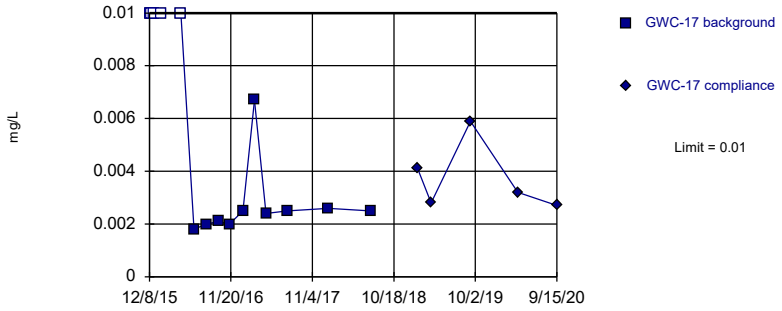
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.002	
12/15/2015	<0.002	
12/28/2015	<0.002	
1/25/2016	<0.002	
4/21/2016	<0.002	
6/15/2016	0.0008 (J)	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/11/2017	<0.002	
2/28/2017	0.0051	
4/20/2017	0.0012 (J)	
7/19/2017	0.0013 (J)	
1/11/2018	0.0011 (J)	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		0.0016
9/11/2019		0.0038
4/1/2020		0.0015 (J)
9/15/2020		<0.002

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



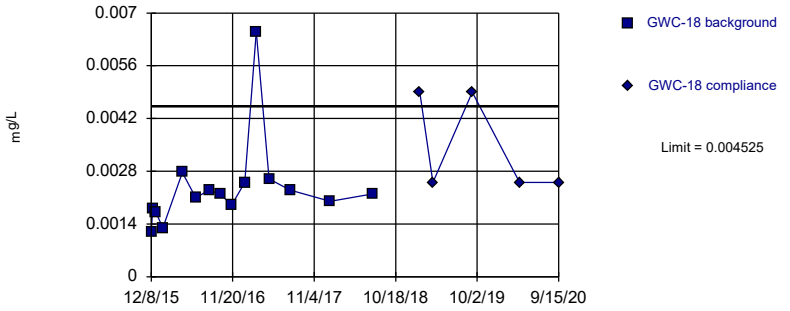
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Within Limit

Prediction Limit

Intrawell Parametric



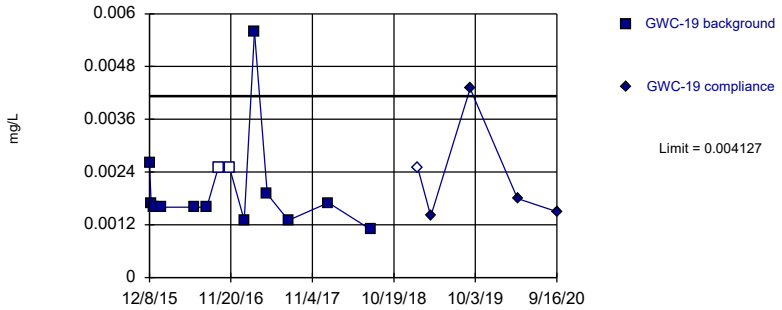
Background Data Summary (based on natural log transformation): Mean=-6.131, Std. Dev.=0.3833, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8577, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



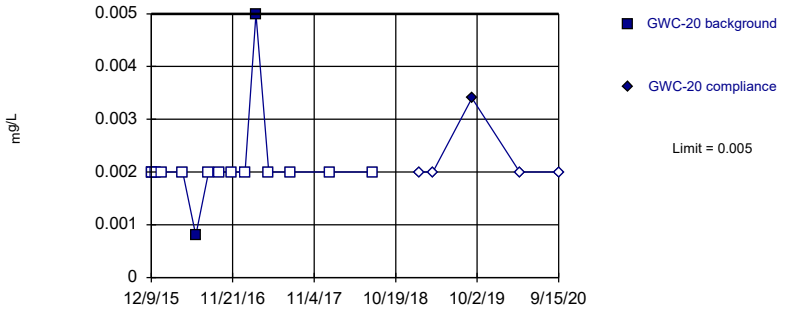
Background Data Summary (based on natural log transformation): Mean=-6.285, Std. Dev.=0.4059, n=14, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8548, critical = 0.825. Kappa = 1.959 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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 (o)	
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)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

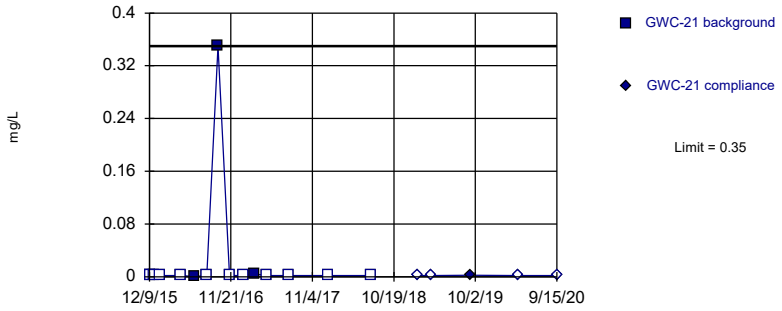
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



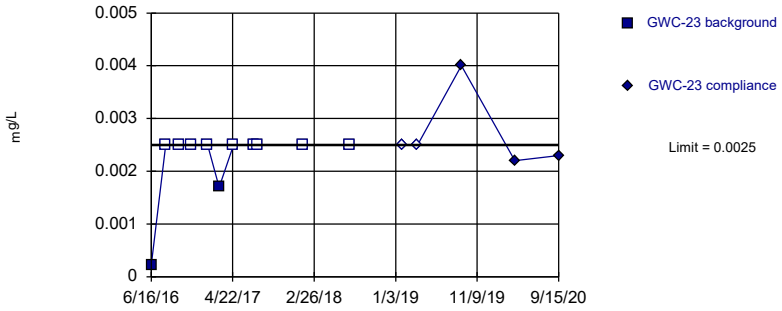
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



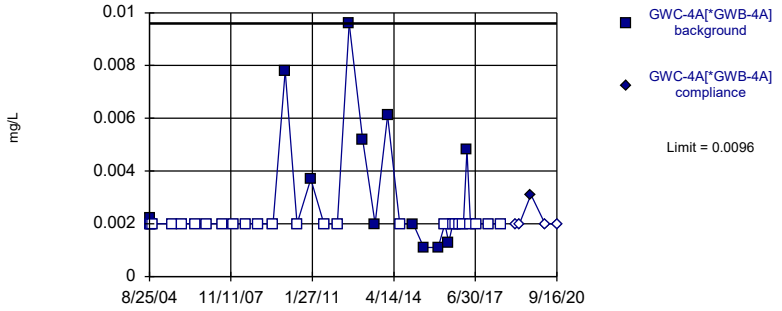
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



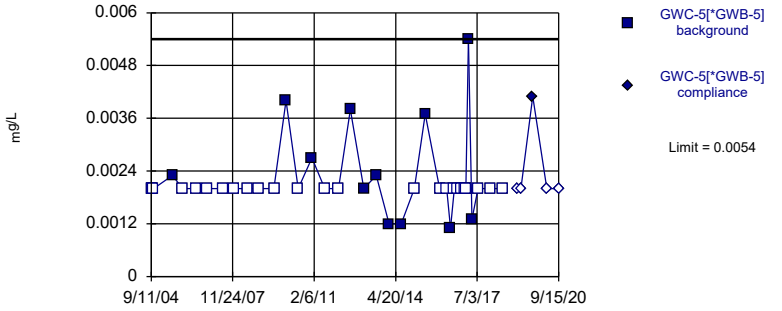
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 67.57% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 65.79% NDs. Well-constituent pair annual alpha = 0.000192. Individual comparison alpha = 0.00009598 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	
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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	0.0022	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/30/2009	0.0078	
6/22/2010	<0.002	
1/4/2011	0.0037	
7/10/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	0.0096	
1/20/2013	0.0052	
7/19/2013	0.002	
1/16/2014	0.0061	
7/10/2014	<0.002	
1/16/2015	0.002	
6/20/2015	0.0011 (J)	
1/14/2016	0.0011 (J)	
4/20/2016	<0.002	
6/14/2016	0.0013 (J)	
8/11/2016	<0.002	
9/27/2016	<0.002	
11/14/2016	<0.002	
1/10/2017	<0.002	
2/28/2017	0.0048	
4/20/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.0031
3/31/2020		<0.002
9/16/2020		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

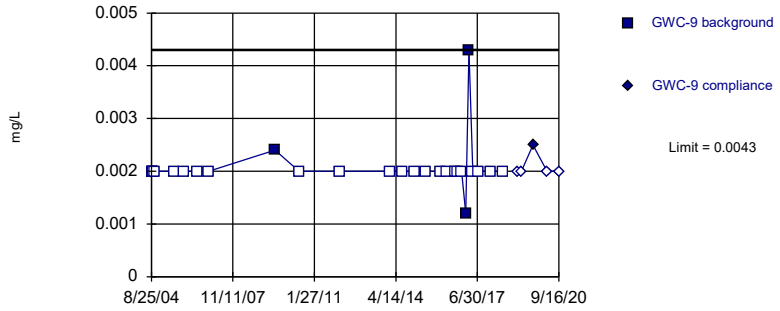
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.22 (O)	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	0.0023	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/29/2009	0.004	
6/22/2010	<0.002	
1/4/2011	0.0027	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	0.0038	
1/19/2013	0.002	
7/18/2013	0.0023	
1/15/2014	0.0012 (J)	
7/10/2014	0.0012 (J)	
1/15/2015	<0.002	
6/19/2015	0.0037	
1/14/2016	<0.002	
4/20/2016	<0.002	
6/14/2016	0.0011 (J)	
8/9/2016	<0.002	
9/27/2016	<0.002	
11/15/2016	<0.002	
1/11/2017	<0.002	
1/19/2017	0.002 (J)	
1/24/2017	<0.002	
2/28/2017	0.0054	
4/20/2017	0.0013 (J)	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		0.0041
3/31/2020		<0.002
9/15/2020		<0.002

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



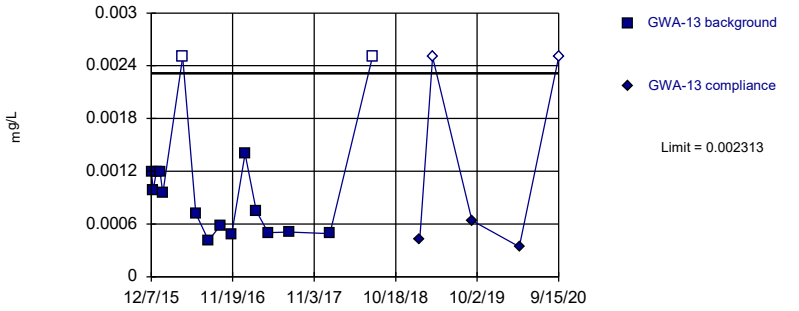
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.0005605. Individual comparison alpha = 0.0002803 (1 of 3).

Constituent: Chromium Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



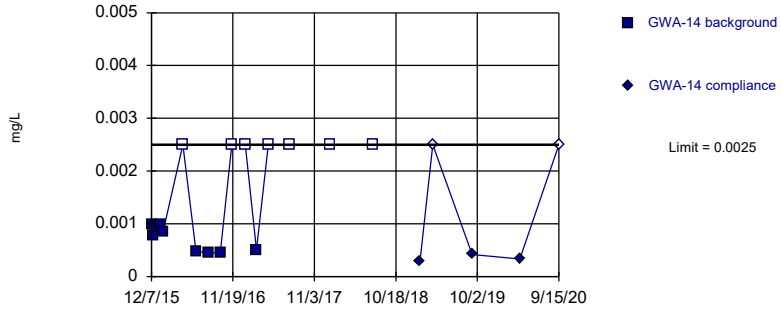
Background Data Summary (based on square root transformation): Mean=0.0307, Std. Dev.=0.009318, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8703, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



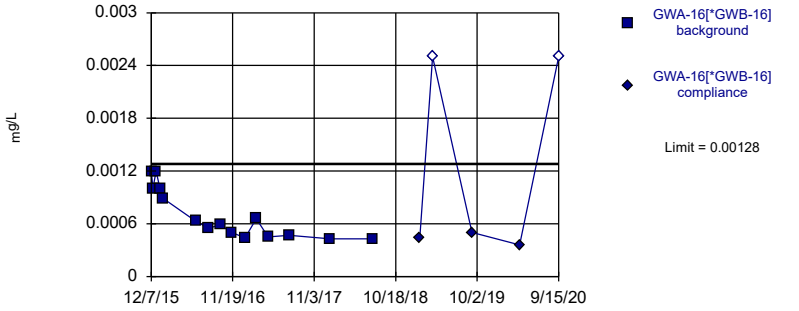
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.02591, Std. Dev.=0.005161, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8531, critical = 0.835. Kappa = 1.913 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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 (o)	
12/13/2007	0.0021 (o)	
6/20/2008	0.0021 (o)	
12/7/2008	0.0018 (o)	
7/9/2009	0.0024	
12/29/2009	0.0021 (o)	
6/22/2010	<0.002	
1/5/2011	0.0034 (o)	
7/9/2011	0.0018 (o)	
1/21/2012	<0.002	
7/11/2012	0.0038 (o)	
1/19/2013	0.0065 (o)	
7/18/2013	0.0029 (o)	
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 (o)	
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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

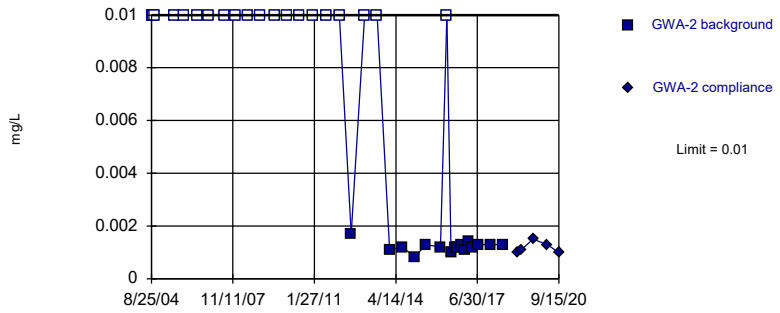
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.0012 (J)	
12/14/2015	0.001 (J)	
12/28/2015	0.0012 (J)	
1/13/2016	0.001 (J)	
1/25/2016	0.00089 (J)	
4/20/2016	<0.01 (o)	
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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



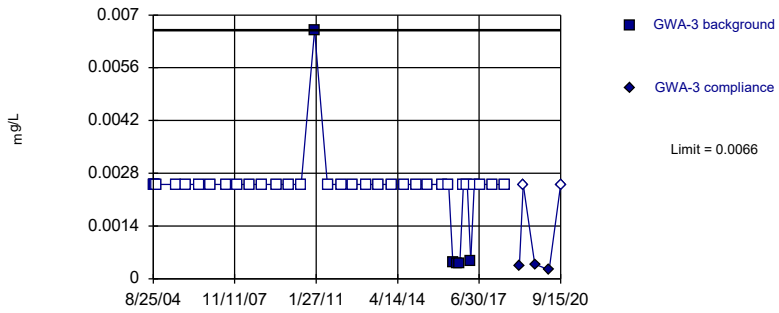
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 56.76% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



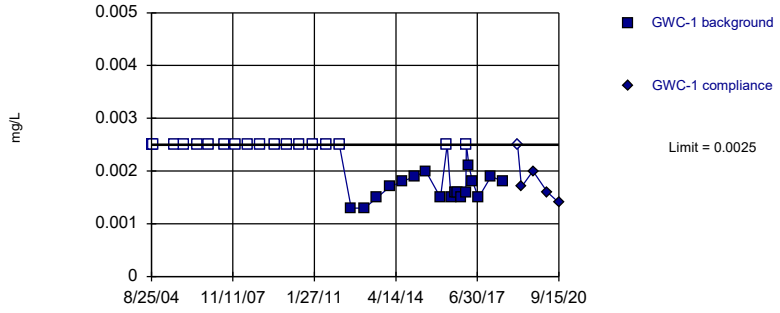
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 86.49% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



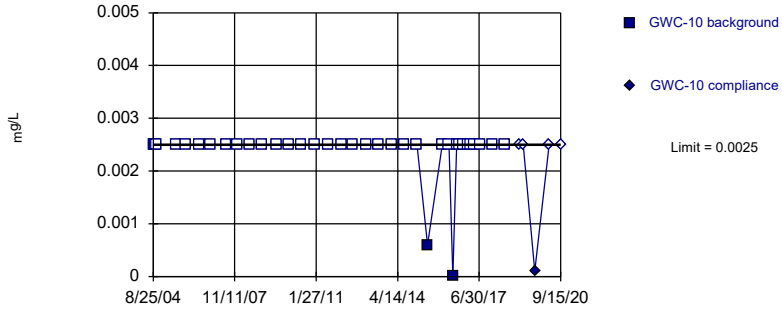
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 51.35% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	
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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

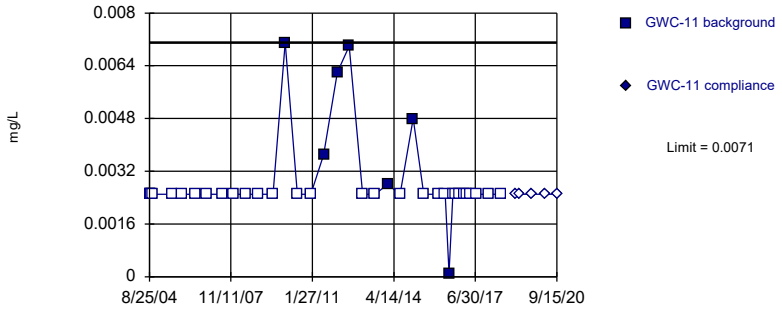
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



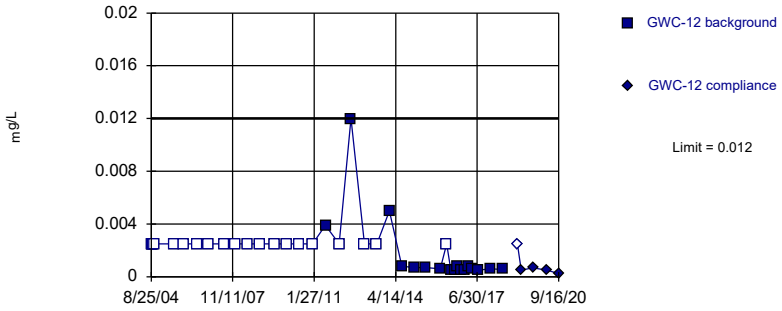
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 81.08% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



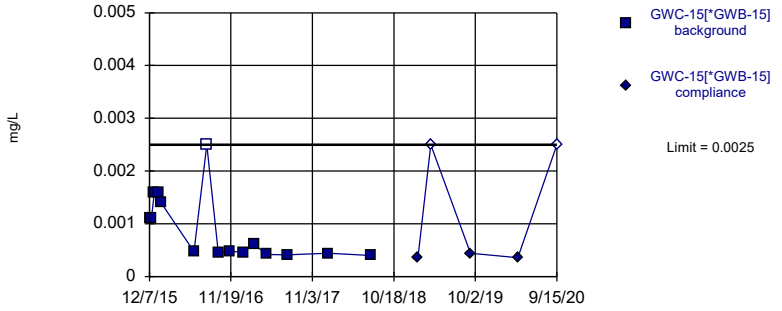
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 54.05% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



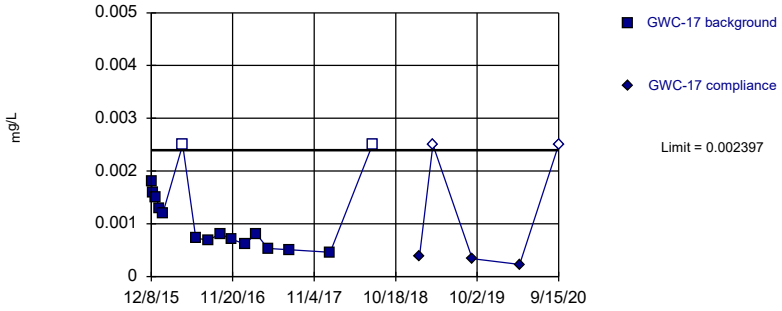
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. 6.667% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.001142, Std. Dev.=0.0006723, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.85, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-12	GWC-12
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/28/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/9/2011	0.0039	
1/20/2012	<0.0025	
7/11/2012	0.012	
1/19/2013	<0.0025	
7/18/2013	<0.0025	
1/15/2014	0.005	
7/11/2014	0.00079 (J)	
1/15/2015	0.00069 (J)	
6/19/2015	0.0007 (J)	
1/16/2016	0.00061 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00051 (J)	
8/10/2016	0.00052 (J)	
9/27/2016	0.00077 (J)	
11/15/2016	0.00055 (J)	
1/12/2017	0.0005 (J)	
3/1/2017	0.00079 (J)	
4/20/2017	0.00056 (J)	
7/20/2017	0.00051 (J)	
1/11/2018	0.0006 (J)	
7/12/2018	0.00056 (J)	
1/30/2019		<0.0025
3/27/2019		0.00051
9/11/2019		0.00067
4/1/2020		0.00051 (J)
9/16/2020		0.00023 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.0011 (J)	
12/15/2015	0.0011 (J)	
12/28/2015	0.0016	
1/13/2016	0.0016	
1/25/2016	0.0014	
4/21/2016	<0.01 (o)	
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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

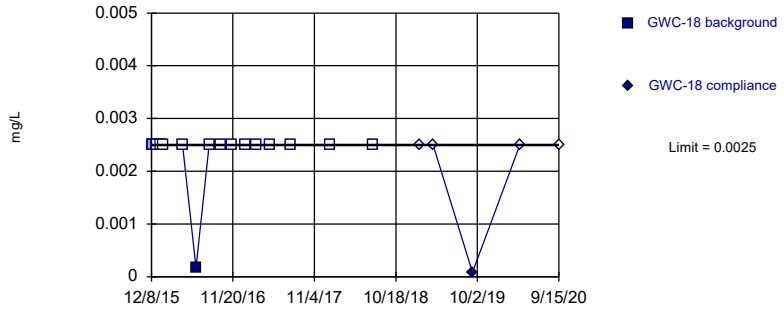
	GWC-17	GWC-17
12/8/2015	0.0018	
12/14/2015	0.0016	
12/28/2015	0.0015	
1/13/2016	0.0013	
1/26/2016	0.0012 (J)	
4/20/2016	<0.0025	
6/15/2016	0.00073 (J)	
8/9/2016	0.00069 (J)	
9/27/2016	0.00081 (J)	
11/15/2016	0.00071 (J)	
1/11/2017	0.00062 (J)	
3/1/2017	0.00081 (J)	
4/20/2017	0.00053 (J)	
7/19/2017	0.00051 (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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

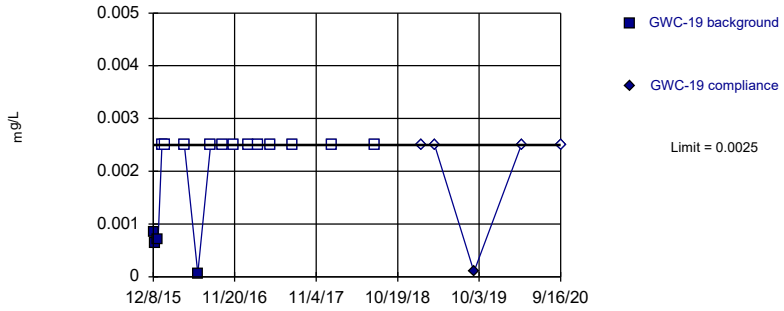
Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

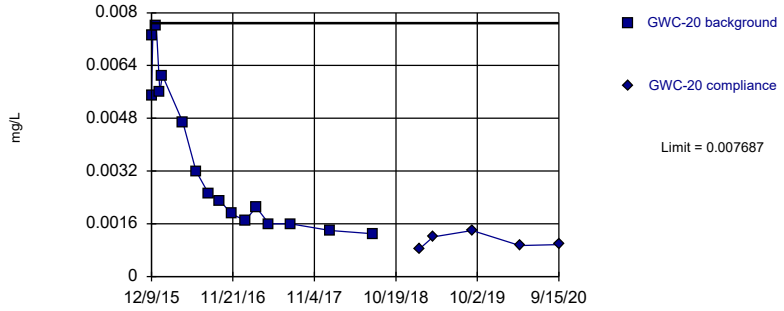
Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.003524, Std. Dev.=0.00223, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8444, critical = 0.844. Kappa = 1.868 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

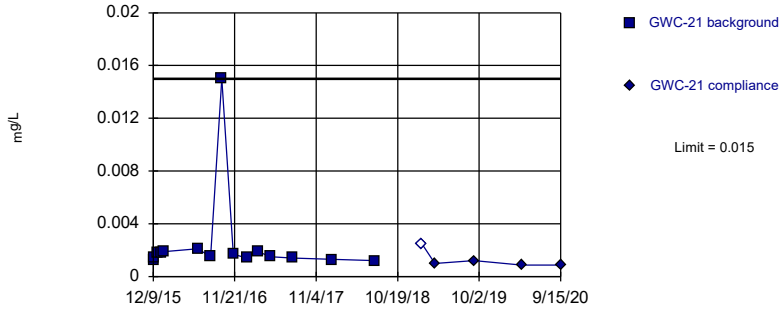
Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 15 background values. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:25 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

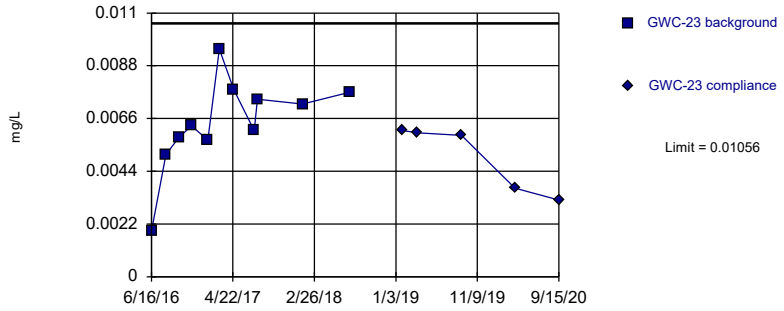
	GWC-21	GWC-21
12/9/2015	0.0013	
12/14/2015	0.0014	
12/29/2015	0.0018	
1/14/2016	0.0018	
1/25/2016	0.0019	
4/21/2016	<0.01 (o)	
6/16/2016	0.0021 (J)	
8/10/2016	0.0015 (J)	
9/27/2016	0.015	
11/15/2016	0.0017 (J)	
1/12/2017	0.0014 (J)	
3/1/2017	0.0019 (J)	
4/24/2017	0.0015 (J)	
7/25/2017	0.0014 (J)	
1/11/2018	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)

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.006409, Std. Dev.=0.001944, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9239, critical = 0.792. Kappa = 2.137 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Cobalt Analysis Run 11/18/2020 11:26 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

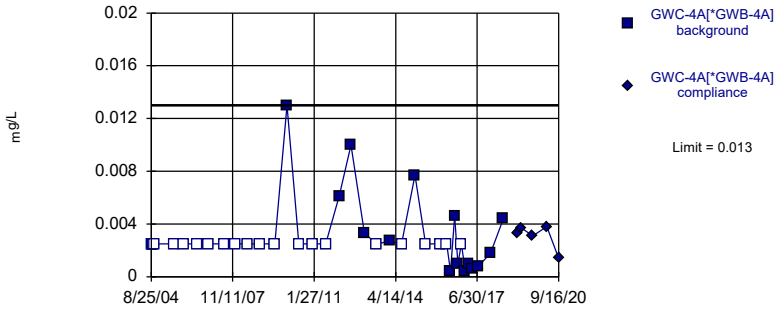
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 59.46% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:26 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

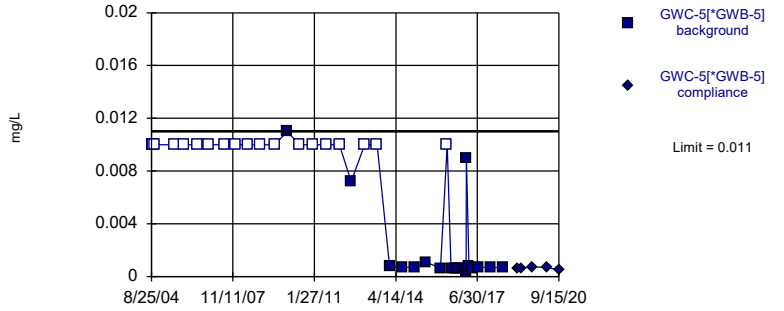
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 51.28% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:26 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

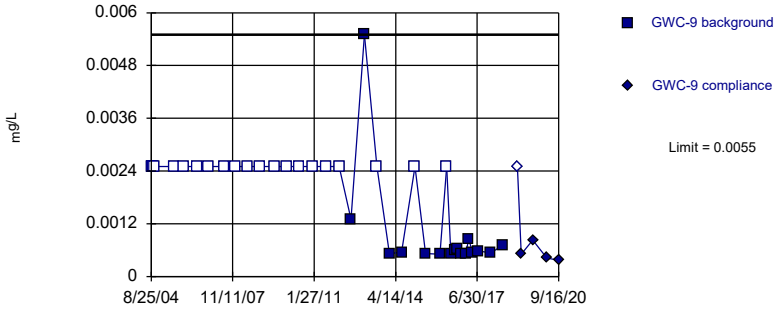
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 56.76% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Cobalt Analysis Run 11/18/2020 11:26 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	0.013	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	0.0061	
7/11/2012	0.01	
1/20/2013	0.0033	
7/19/2013	<0.0025	
1/16/2014	0.0027	
7/10/2014	<0.0025	
1/16/2015	0.0077	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
4/20/2016	<0.0025	
6/14/2016	0.0004 (J)	
8/11/2016	0.0046	
9/27/2016	0.001 (J)	
11/14/2016	<0.0025	
1/10/2017	0.00044 (J)	
2/28/2017	0.001 (J)	
4/20/2017	0.00059 (J)	
7/18/2017	0.00079 (J)	
1/10/2018	0.0018 (J)	
7/11/2018	0.0044	
1/29/2019		0.0033
3/26/2019		0.0037
9/10/2019		0.0031
3/31/2020		0.0038
9/16/2020		0.0014 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.01	
9/11/2004	<0.01	
9/26/2004	<0.01	
10/13/2004	<0.01	
7/11/2005	<0.01	
12/7/2005	<0.01	
6/22/2006	<0.01	
11/28/2006	<0.01	
7/6/2007	<0.01	
12/13/2007	<0.01	
6/20/2008	<0.01	
12/7/2008	<0.01	
7/9/2009	<0.01	
12/29/2009	0.011	
6/22/2010	<0.01	
1/4/2011	<0.01	
7/9/2011	<0.01	
1/21/2012	<0.01	
7/11/2012	0.0072	
1/19/2013	<0.01	
7/18/2013	<0.01	
1/15/2014	0.00075 (J)	
7/10/2014	0.0007 (J)	
1/15/2015	0.0007 (J)	
6/19/2015	0.0011 (J)	
1/14/2016	0.00064 (J)	
4/20/2016	<0.01	
6/14/2016	0.0006 (J)	
8/9/2016	0.00062 (J)	
9/27/2016	0.00059 (J)	
11/15/2016	0.00064 (J)	
1/11/2017	0.00064 (J)	
1/19/2017	0.00046 (J)	
1/24/2017	0.009	
2/28/2017	0.00078 (J)	
4/20/2017	0.00065 (J)	
7/18/2017	0.00069 (J)	
1/10/2018	0.00068 (J)	
7/11/2018	0.00071 (J)	
1/29/2019		0.00064 (J)
3/26/2019		0.00064
9/10/2019		0.00074
3/31/2020		0.00067 (J)
9/15/2020		0.0005 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

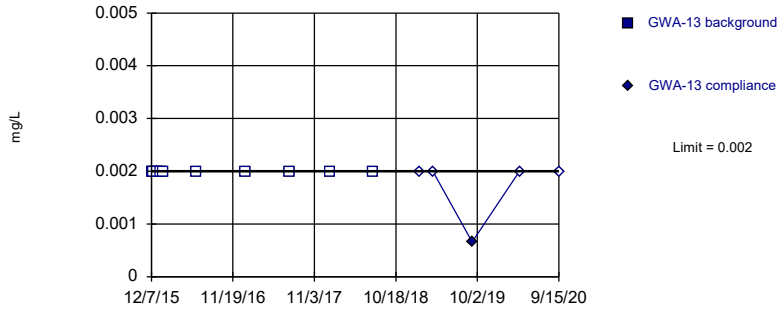
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



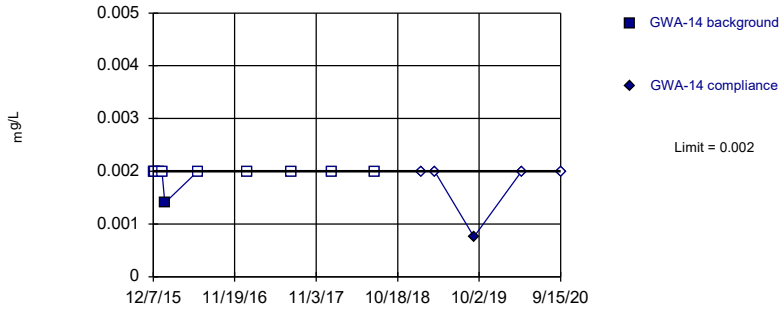
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



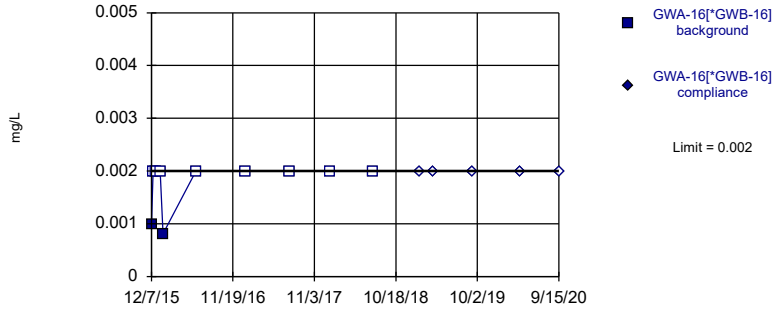
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



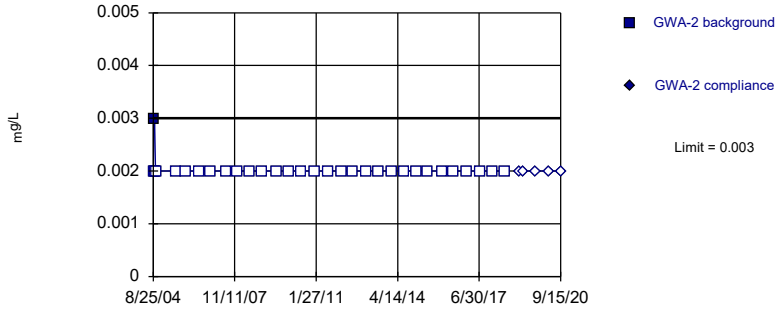
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.001 (J)	
12/14/2015	<0.002	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	0.00081 (J)	
6/15/2016	<0.002	
1/11/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		<0.002
4/1/2020		<0.002
9/15/2020		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

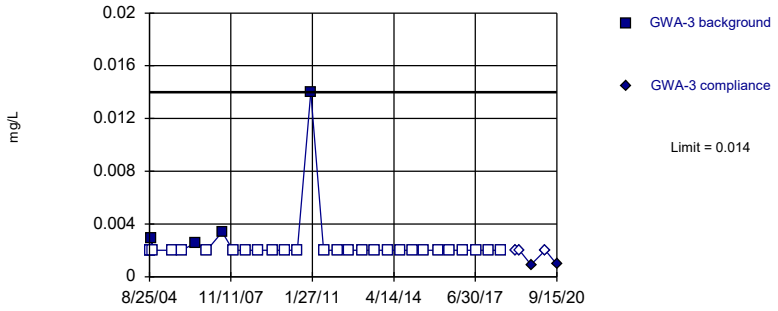
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



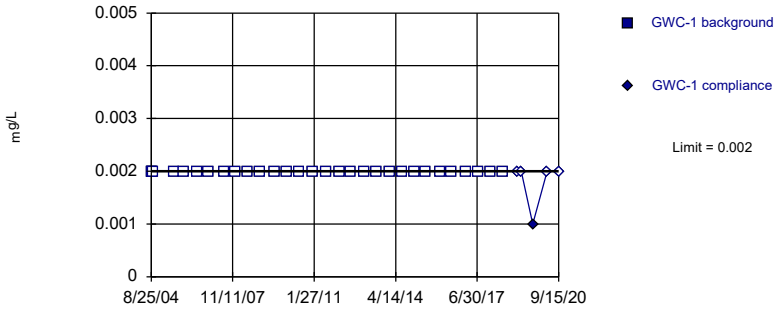
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



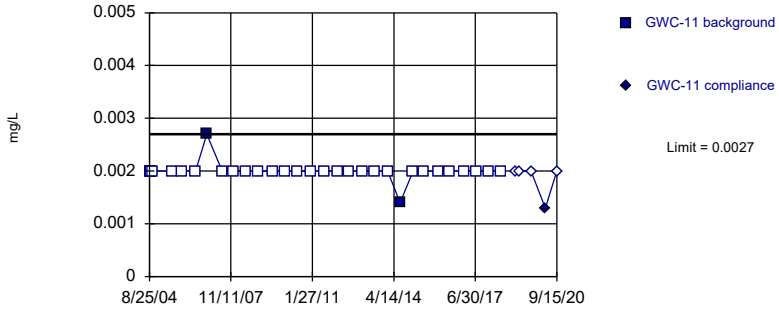
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



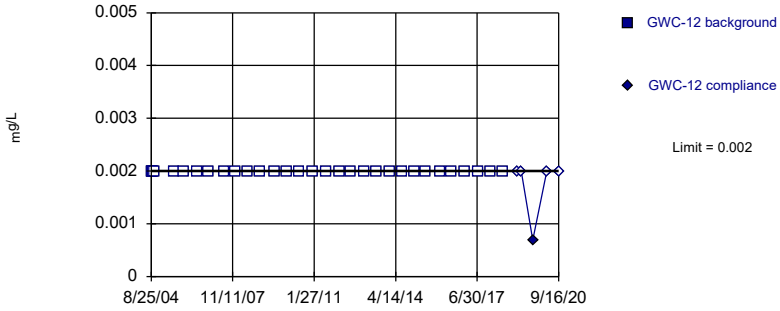
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 31) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	
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)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

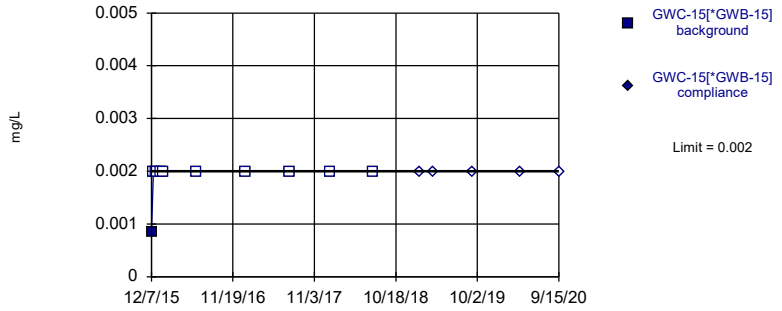
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



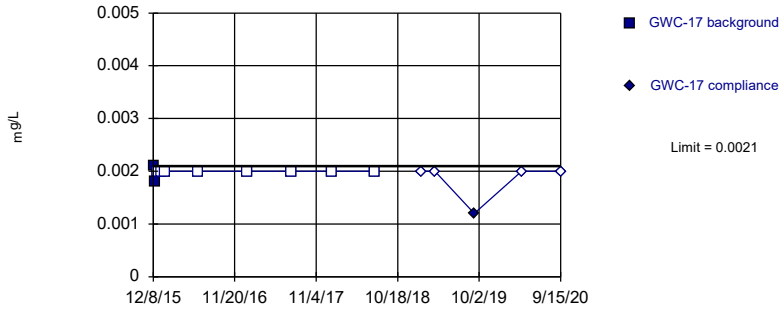
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



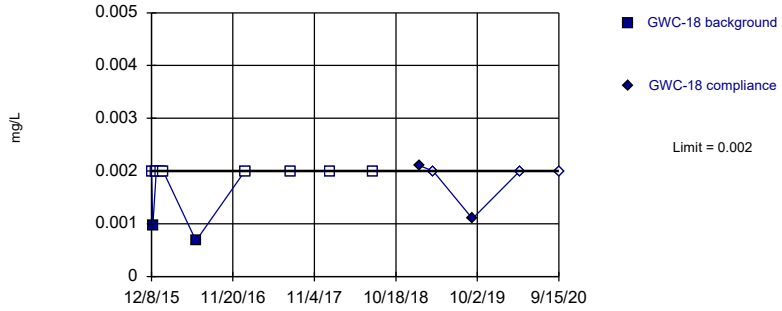
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



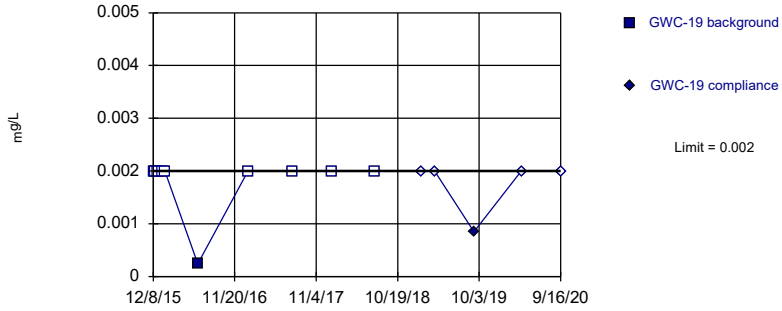
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.00084 (J)	
12/15/2015	<0.002	
12/28/2015	<0.002	
1/13/2016	<0.002	
1/25/2016	<0.002	
6/15/2016	<0.002	
1/11/2017	<0.002	
7/19/2017	<0.002	
1/11/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/11/2019		<0.002
4/1/2020		<0.002
9/15/2020		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

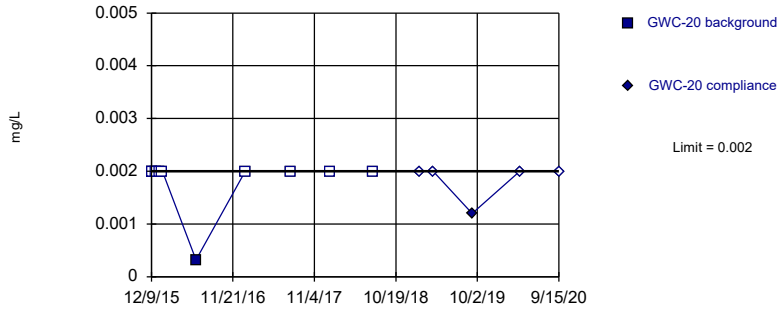
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



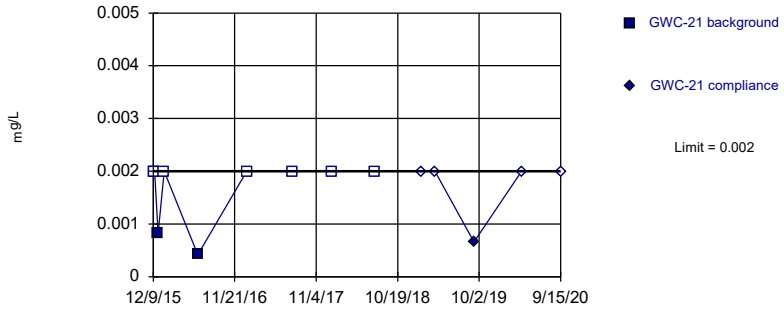
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



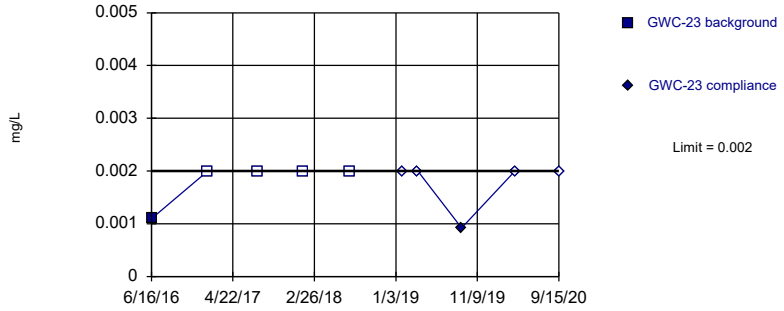
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



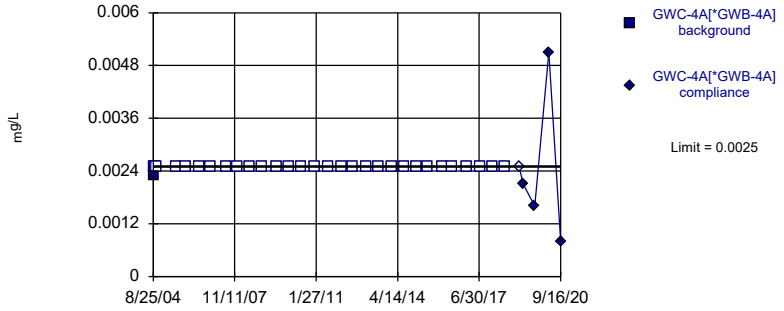
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 80% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

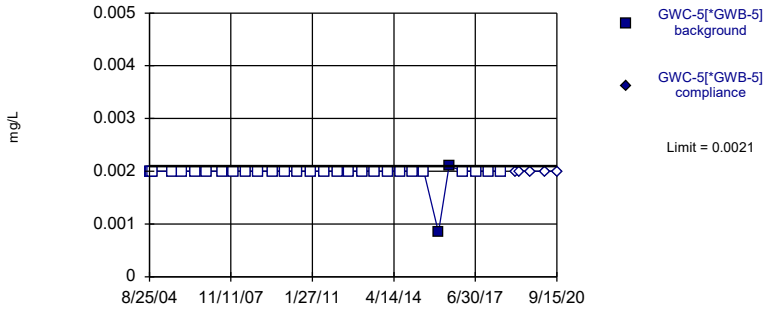
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	0.0023	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	<0.0025	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/20/2013	<0.0025	
7/19/2013	<0.0025	
1/16/2014	<0.0025	
7/10/2014	<0.0025	
1/16/2015	<0.0025	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/14/2016	<0.0025	
1/10/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		<0.0025
3/26/2019		0.0021
9/10/2019		0.0016 (J)
3/31/2020		0.0051
9/16/2020		0.00079 (J)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



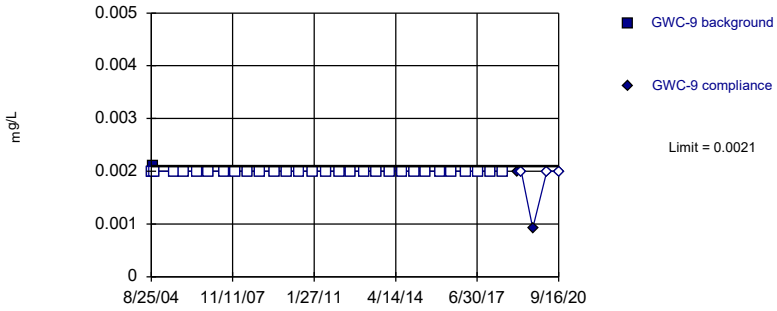
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:26 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



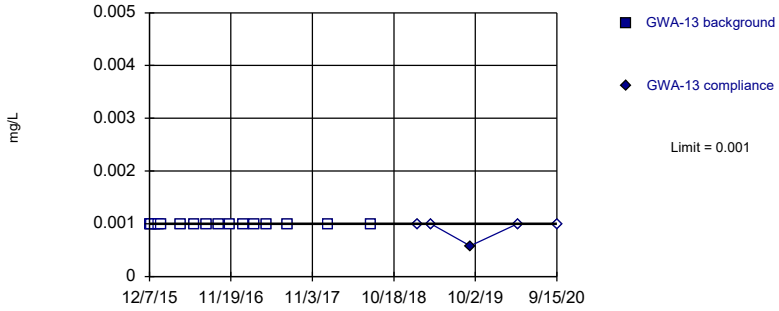
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Copper Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



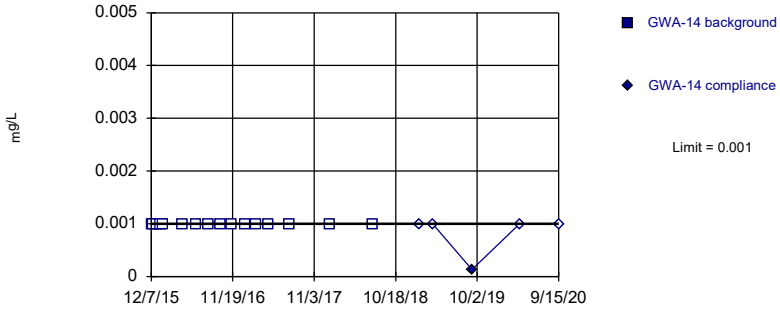
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.002	
9/11/2004	<0.002	
9/26/2004	<0.002	
10/13/2004	<0.002	
7/11/2005	<0.002	
12/7/2005	<0.002	
6/22/2006	<0.002	
11/28/2006	<0.002	
7/6/2007	<0.002	
12/13/2007	<0.002	
6/20/2008	<0.002	
12/7/2008	<0.002	
7/9/2009	<0.002	
12/29/2009	<0.002	
6/22/2010	<0.002	
1/4/2011	<0.002	
7/9/2011	<0.002	
1/21/2012	<0.002	
7/11/2012	<0.002	
1/19/2013	<0.002	
7/18/2013	<0.002	
1/15/2014	<0.002	
7/10/2014	<0.002	
1/15/2015	<0.002	
6/19/2015	<0.002	
1/14/2016	0.00084 (J)	
6/14/2016	0.0021 (J)	
1/11/2017	<0.002	
7/18/2017	<0.002	
1/10/2018	<0.002	
7/11/2018	<0.002	
1/29/2019		<0.002
3/26/2019		<0.002
9/10/2019		<0.002
3/31/2020		<0.002
9/15/2020		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

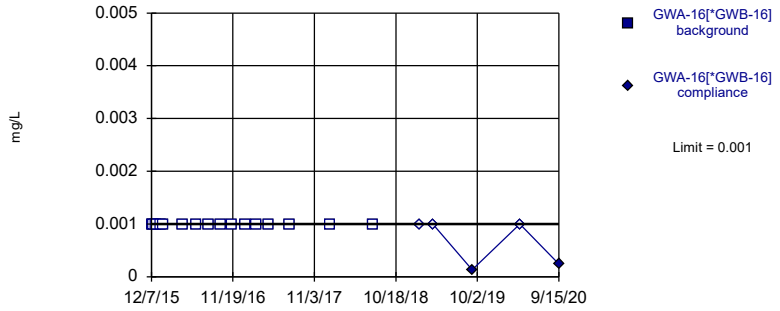
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



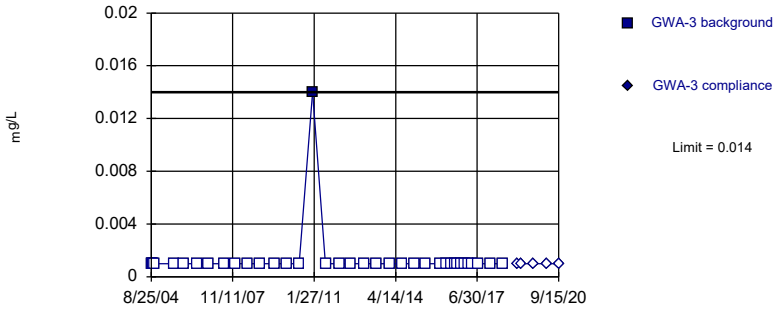
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



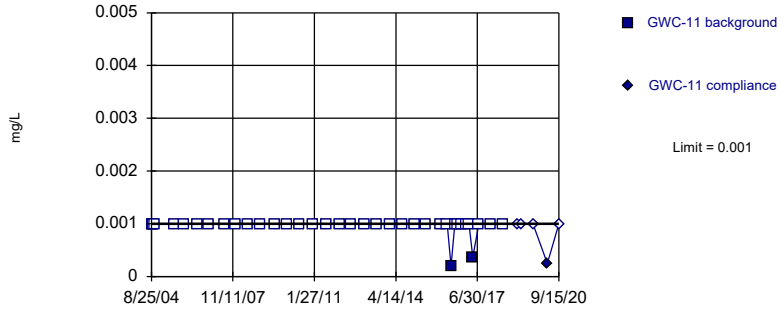
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



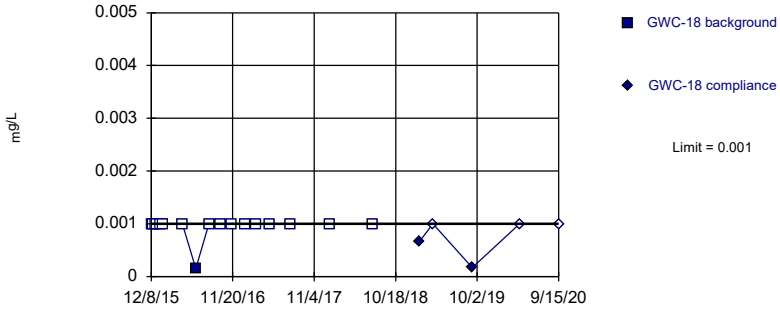
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00013 (J)
4/1/2020		<0.001
9/15/2020		0.00024 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	
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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

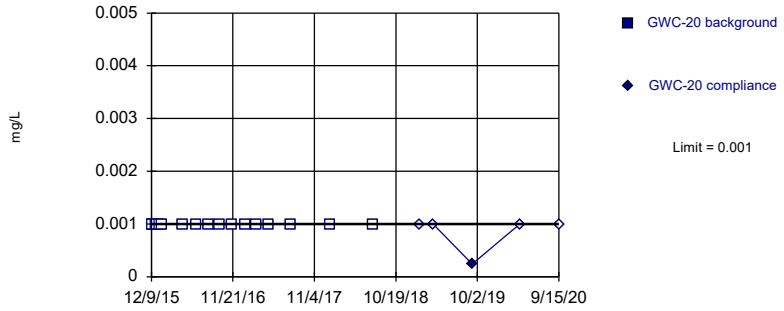
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



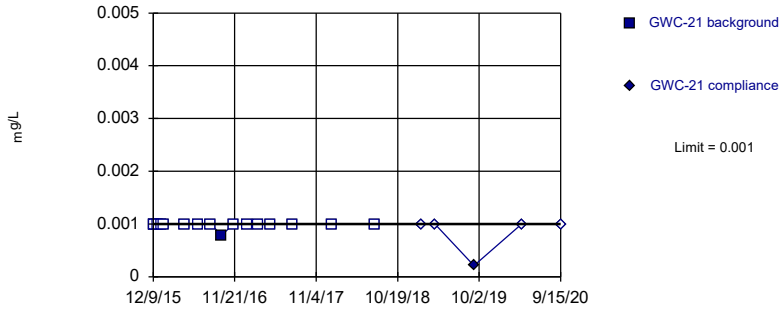
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



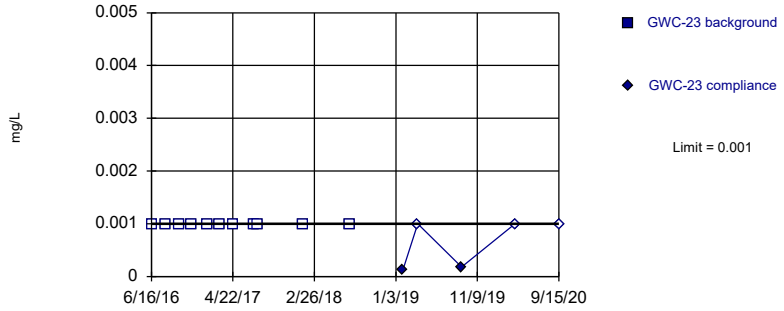
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



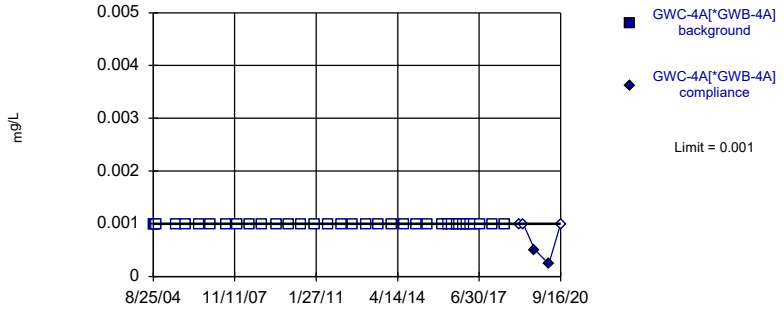
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 11) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:37 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

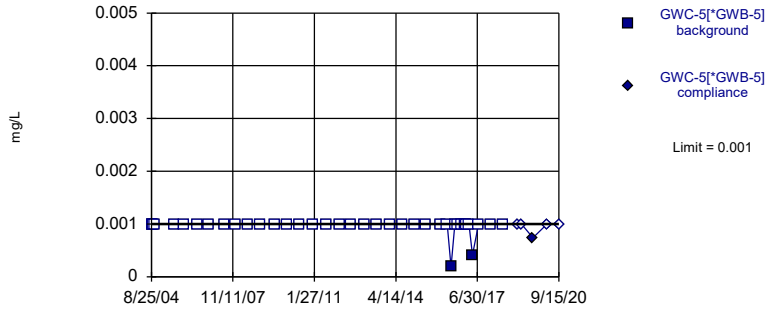
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



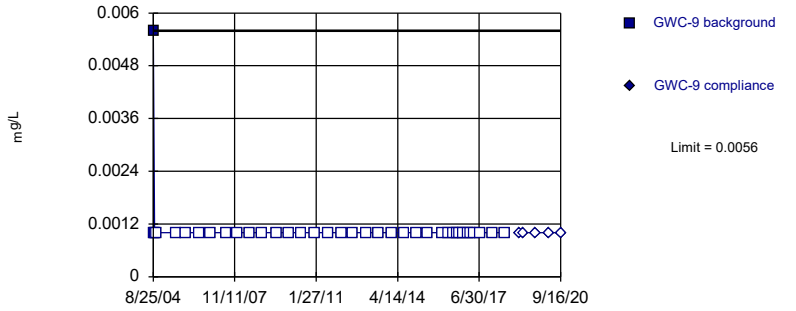
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



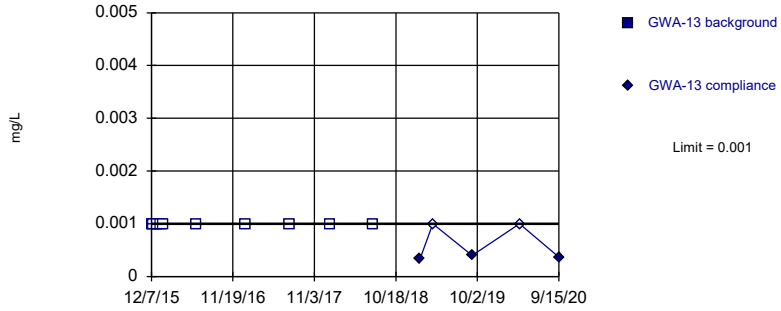
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Lead Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



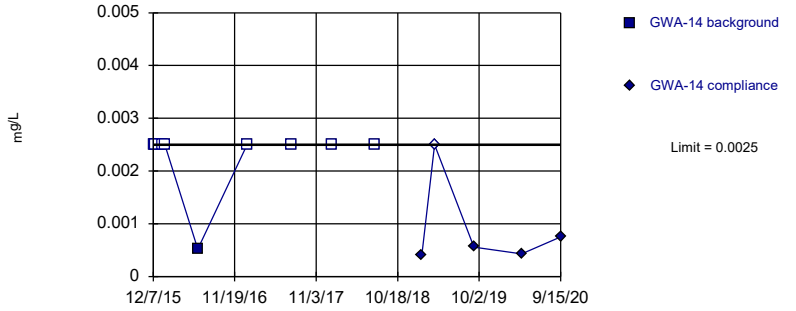
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
4/20/2016	<0.001	
6/14/2016	0.00019 (J)	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
1/19/2017	0.001 (J)	
1/24/2017	<0.001	
2/28/2017	<0.001	
4/20/2017	0.00041 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00074 (J)
3/31/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-9
8/25/2004	0.0056	
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	<0.001	
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		<0.001
4/1/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

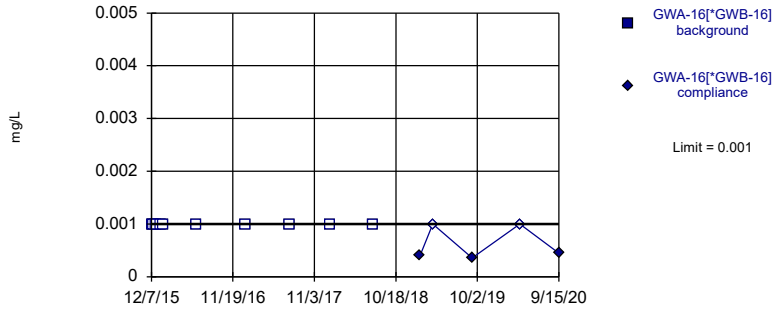
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-14	GWA-14
12/7/2015	<0.0025	
12/15/2015	<0.0025	
12/29/2015	<0.0025	
1/13/2016	<0.0025	
1/25/2016	<0.0025	
6/14/2016	0.00052 (J)	
1/11/2017	<0.0025	
7/19/2017	<0.0025	
1/11/2018	<0.0025	
7/11/2018	<0.0025	
1/29/2019		0.0004 (J)
3/26/2019		<0.0025
9/10/2019		0.00056 (J)
4/1/2020		0.00043 (J)
9/15/2020		0.00075 (J)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



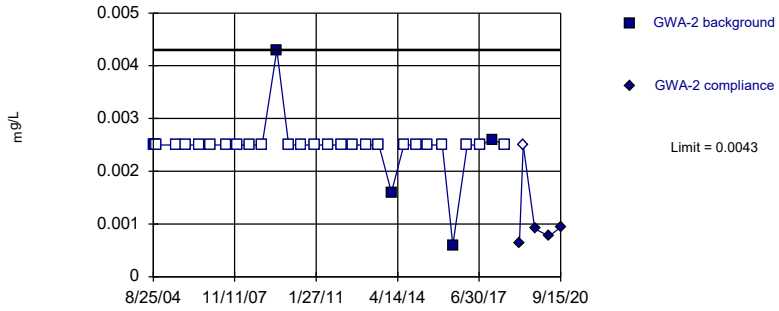
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



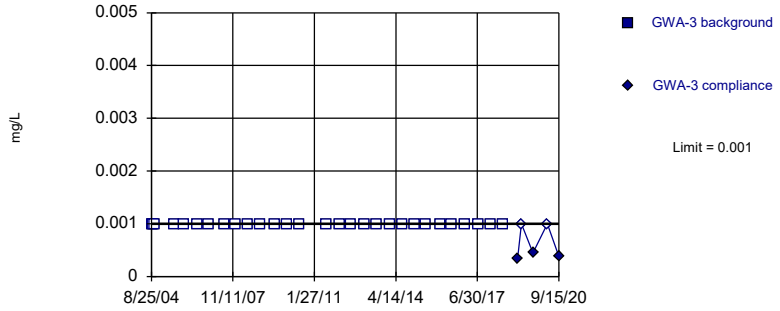
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



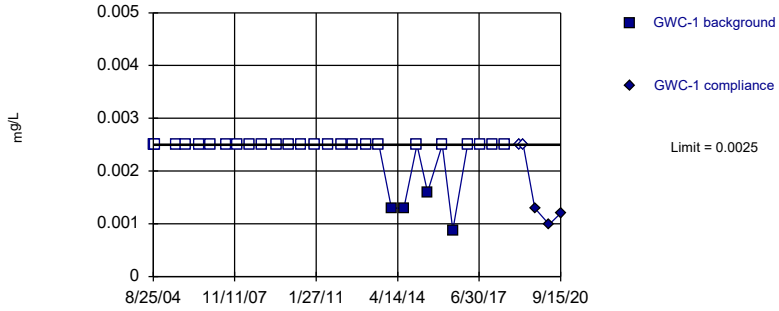
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0004147. Individual comparison alpha = 0.0002074 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	<0.001	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.0004 (J)
3/26/2019		<0.001
9/10/2019		0.00036 (J)
4/1/2020		<0.001
9/15/2020		0.00045 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

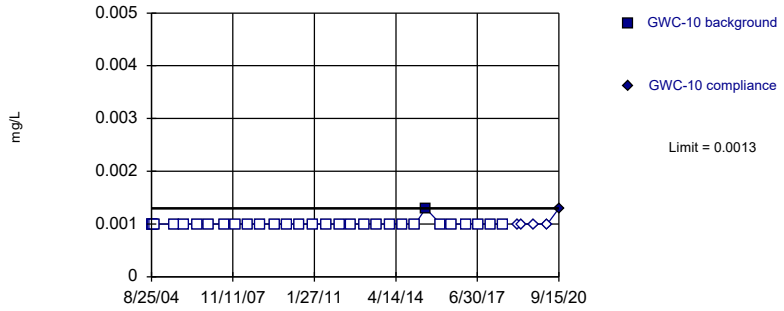
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



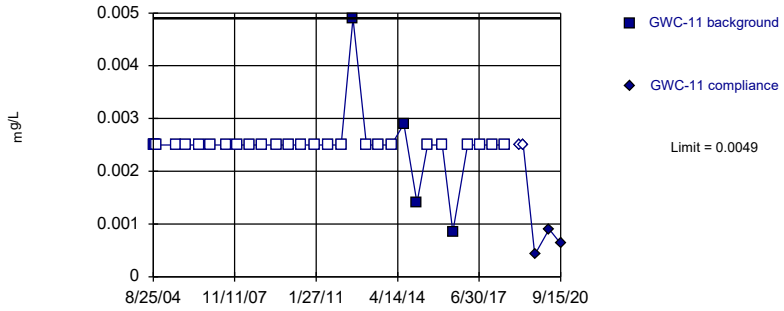
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



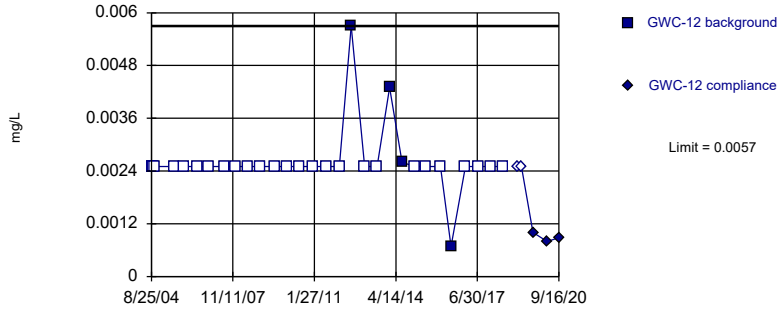
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



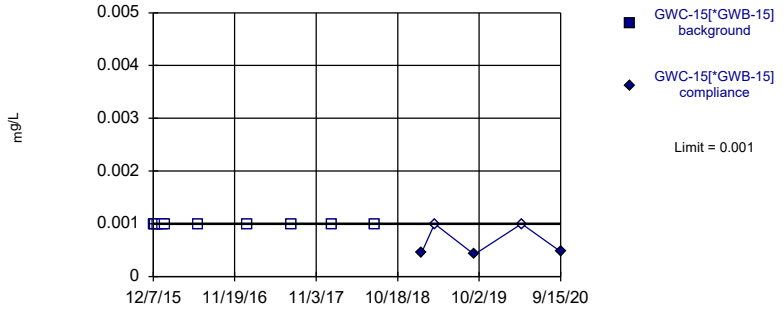
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:27 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-11	GWC-11
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	<0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	0.0049	
1/19/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	0.0029	
1/16/2015	0.0014 (J)	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/15/2016	0.00085 (J)	
1/12/2017	<0.0025	
7/24/2017	<0.0025	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		<0.0025
9/11/2019		0.00042 (J)
4/2/2020		0.0009 (J)
9/15/2020		0.00063 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

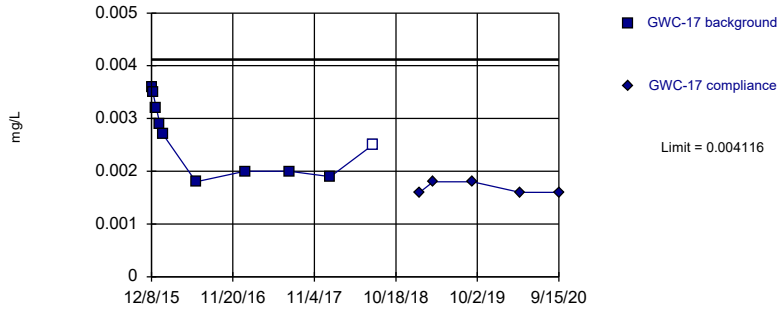
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	<0.001	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.00046 (J)
3/26/2019		<0.001
9/11/2019		0.00042 (J)
4/1/2020		<0.001
9/15/2020		0.00047 (J)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



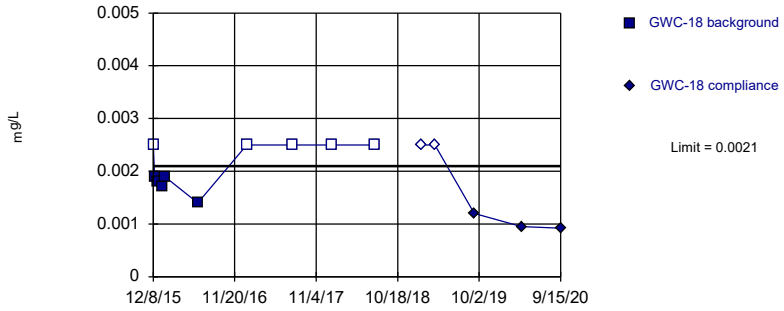
Background Data Summary: Mean=0.00261, Std. Dev.=0.0006773, n=10, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9065, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



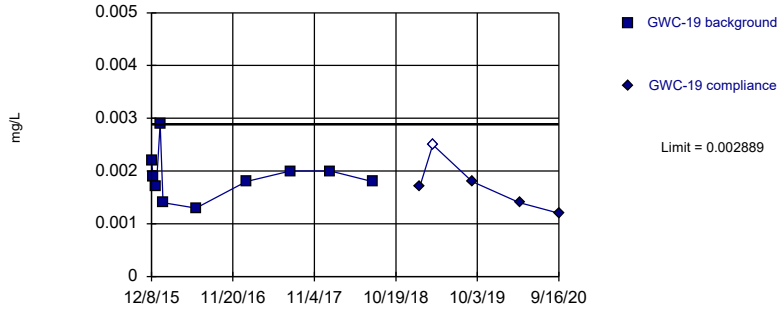
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001687, Std. Dev.=0.0001857, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8068, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



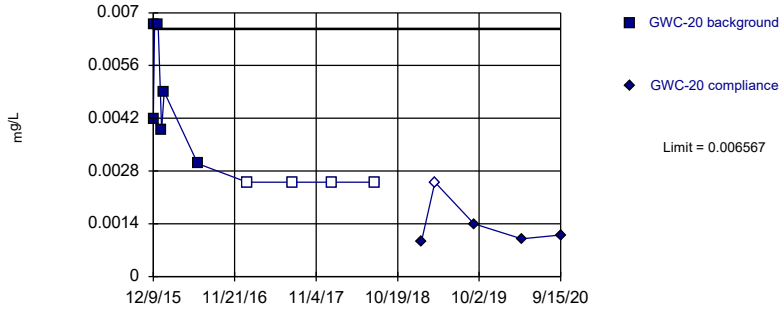
Background Data Summary: Mean=0.0019, Std. Dev.=0.0004447, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9122, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003595, Std. Dev.=0.001337, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8151, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

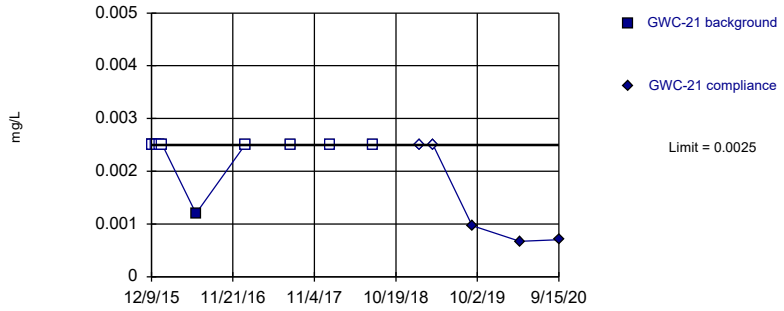
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



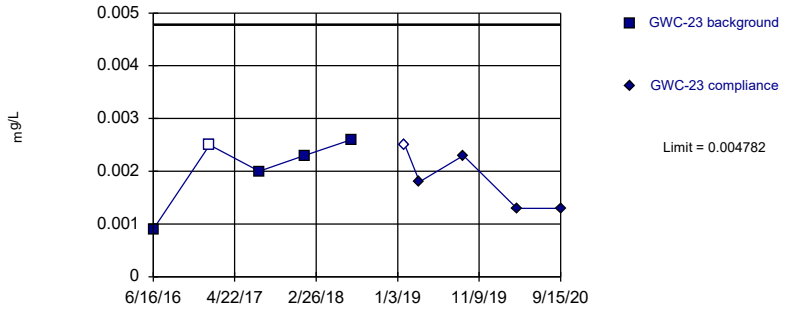
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



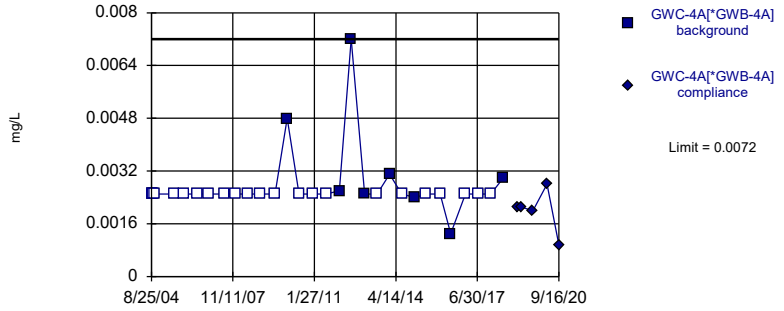
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001907, Std. Dev.=0.0006403, n=5, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8265, critical = 0.686. Kappa = 4.49 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



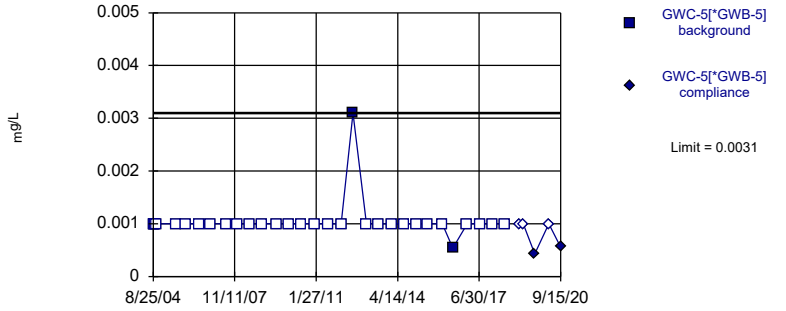
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 74.19% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 93.55% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.0025	
9/11/2004	<0.0025	
9/26/2004	<0.0025	
10/13/2004	<0.0025	
7/11/2005	<0.0025	
12/7/2005	<0.0025	
6/22/2006	<0.0025	
11/28/2006	<0.0025	
7/6/2007	<0.0025	
12/13/2007	<0.0025	
6/20/2008	<0.0025	
12/7/2008	<0.0025	
7/9/2009	<0.0025	
12/30/2009	0.0048	
6/22/2010	<0.0025	
1/4/2011	<0.0025	
7/10/2011	<0.0025	
1/21/2012	0.0026	
7/11/2012	0.0072	
1/20/2013	0.0025	
7/19/2013	<0.0025	
1/16/2014	0.0031	
7/10/2014	<0.0025	
1/16/2015	0.0024 (J)	
6/20/2015	<0.0025	
1/14/2016	<0.0025	
6/14/2016	0.0013 (J)	
1/10/2017	<0.0025	
7/18/2017	<0.0025	
1/10/2018	<0.0025	
7/11/2018	0.003	
1/29/2019		0.0021 (J)
3/26/2019		0.0021
9/10/2019		0.002
3/31/2020		0.0028
9/16/2020		0.00096 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

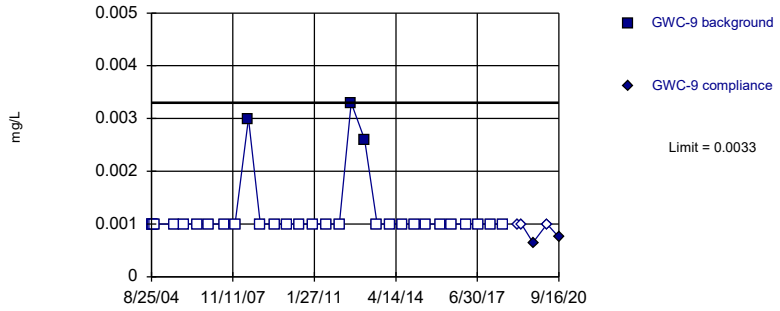
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	0.0031	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/14/2016	<0.001	
6/14/2016	0.00054 (J)	
1/11/2017	<0.001	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.00043 (J)
3/31/2020		<0.001
9/15/2020		0.00056 (J)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



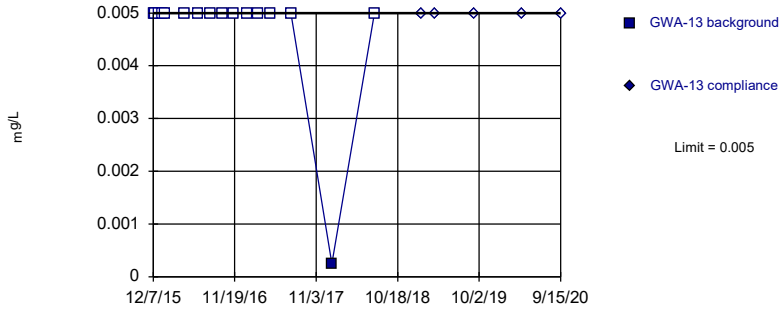
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Nickel Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



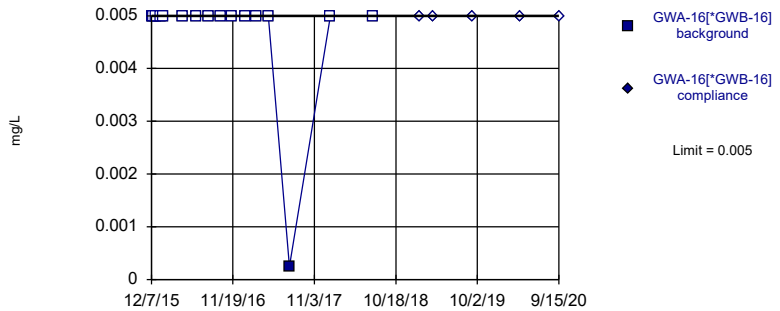
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



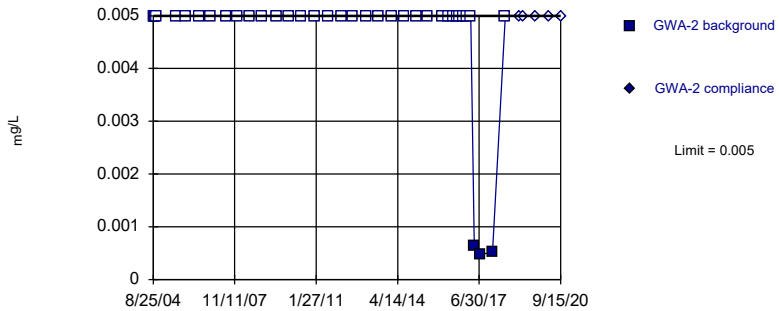
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.005	
12/14/2015	<0.005	
12/28/2015	<0.005	
1/13/2016	<0.005	
1/25/2016	<0.005	
4/20/2016	<0.005	
6/15/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
3/1/2017	<0.005	
4/20/2017	<0.005	
7/19/2017	0.00025 (J)	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

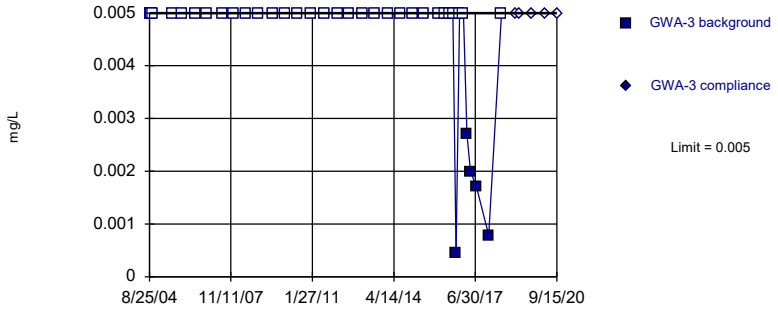
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



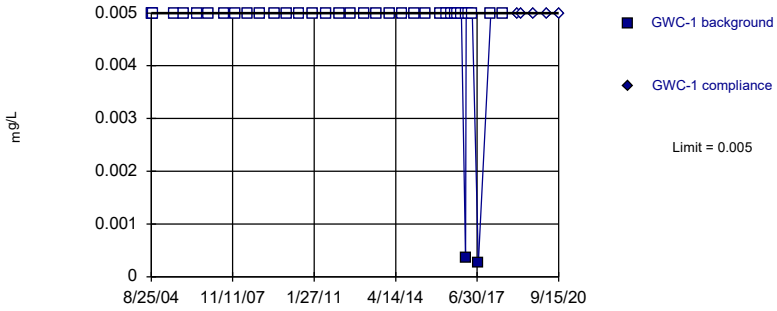
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 86.49% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



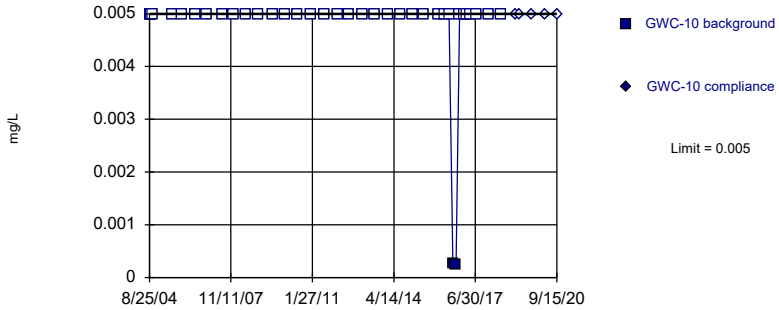
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



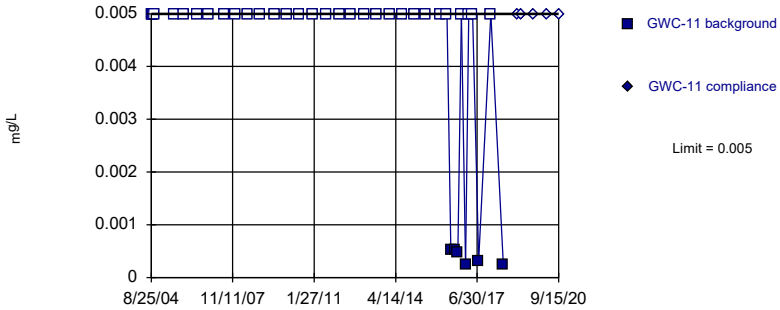
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

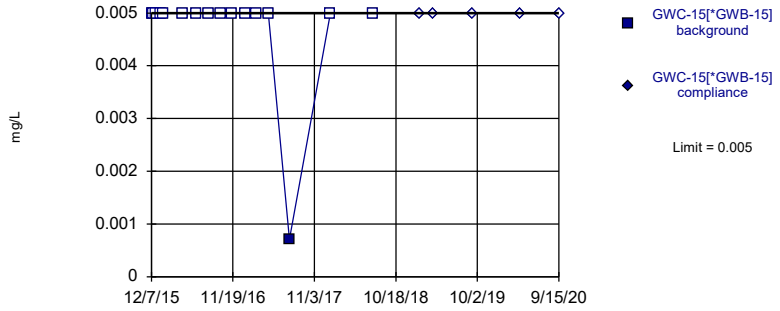
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



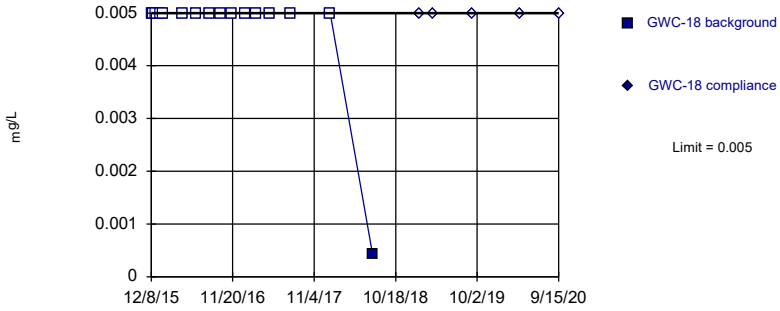
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



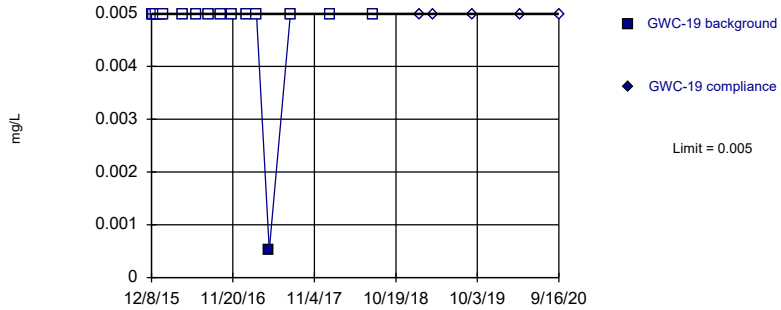
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



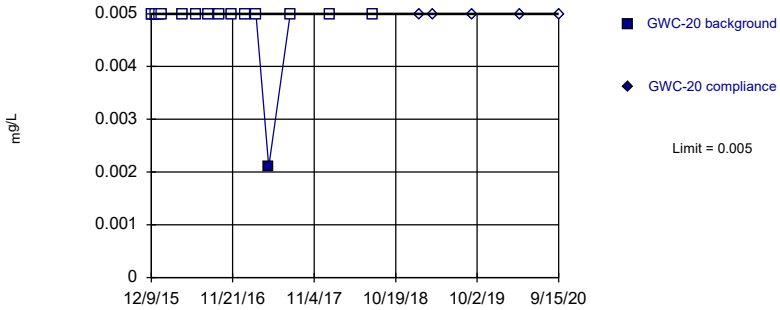
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.005	
12/15/2015	<0.005	
12/28/2015	<0.005	
1/13/2016	<0.005	
1/25/2016	<0.005	
4/21/2016	<0.005	
6/15/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
2/28/2017	<0.005	
4/20/2017	<0.005	
7/19/2017	0.00071 (J)	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/11/2019		<0.005
4/1/2020		<0.005
9/15/2020		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

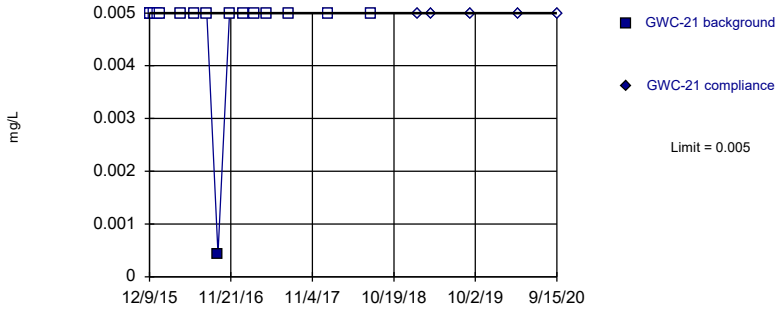
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



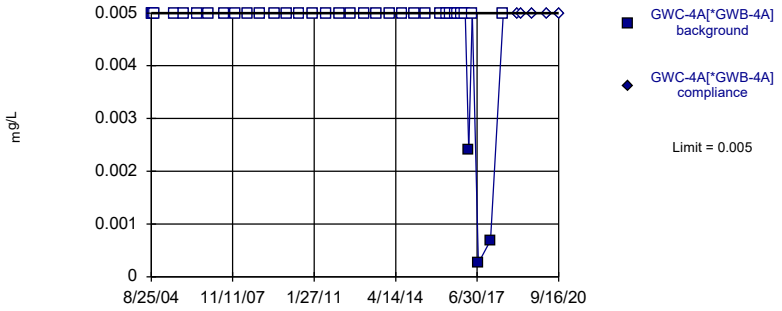
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



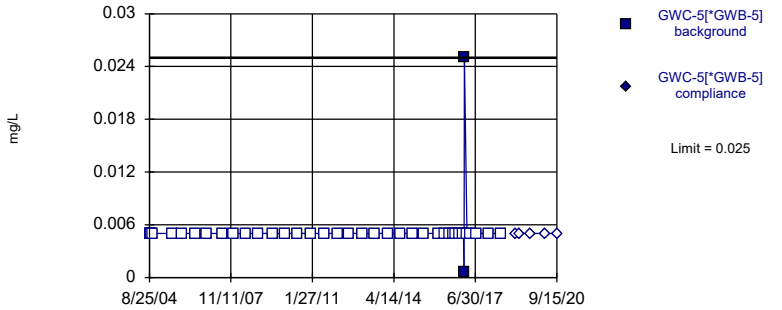
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:28 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



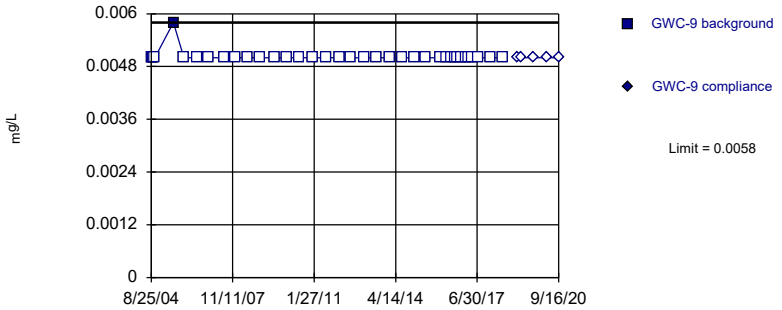
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 94.87% NDs. Well-constituent pair annual alpha = 0.000177. Individual comparison alpha = 0.00008849 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Selenium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/30/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/10/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/20/2013	<0.005	
7/19/2013	<0.005	
1/16/2014	<0.005	
7/10/2014	<0.005	
1/16/2015	<0.005	
6/20/2015	<0.005	
1/14/2016	<0.005	
4/20/2016	<0.005	
6/14/2016	<0.005	
8/11/2016	<0.005	
9/27/2016	<0.005	
11/14/2016	<0.005	
1/10/2017	<0.005	
2/28/2017	0.0024	
4/20/2017	<0.005	
7/18/2017	0.00026 (J)	
1/10/2018	0.00069 (J)	
7/11/2018	<0.005	
1/29/2019		<0.005
3/26/2019		<0.005
9/10/2019		<0.005
3/31/2020		<0.005
9/16/2020		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.005	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	<0.005	
11/28/2006	<0.005	
7/6/2007	<0.005	
12/13/2007	<0.005	
6/20/2008	<0.005	
12/7/2008	<0.005	
7/9/2009	<0.005	
12/29/2009	<0.005	
6/22/2010	<0.005	
1/4/2011	<0.005	
7/9/2011	<0.005	
1/21/2012	<0.005	
7/11/2012	<0.005	
1/19/2013	<0.005	
7/18/2013	<0.005	
1/15/2014	<0.005	
7/10/2014	<0.005	
1/15/2015	<0.005	
6/19/2015	<0.005	
1/14/2016	<0.005	
4/20/2016	<0.005	
6/14/2016	<0.005	
8/9/2016	<0.005	
9/27/2016	<0.005	
11/15/2016	<0.005	
1/11/2017	<0.005	
1/19/2017	0.0006 (J)	
1/24/2017	0.025	
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

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

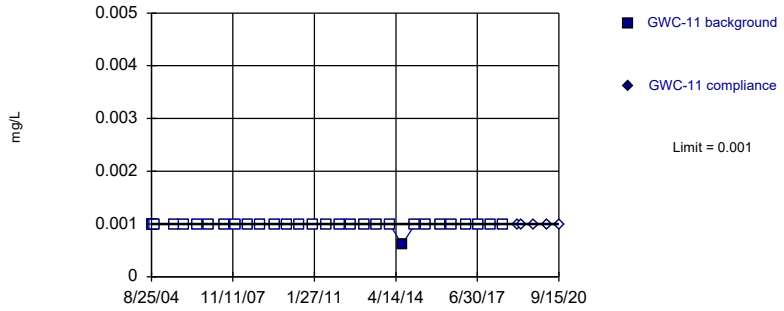
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



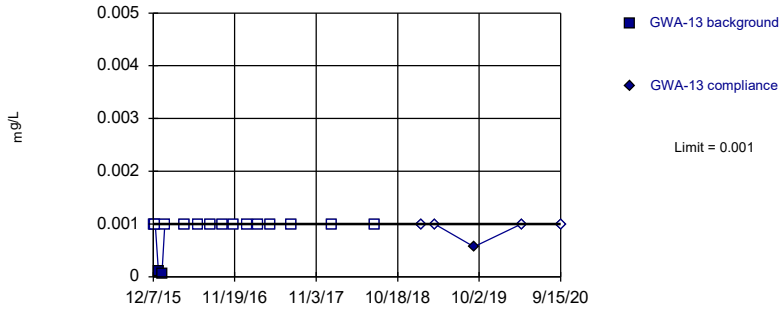
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Silver Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



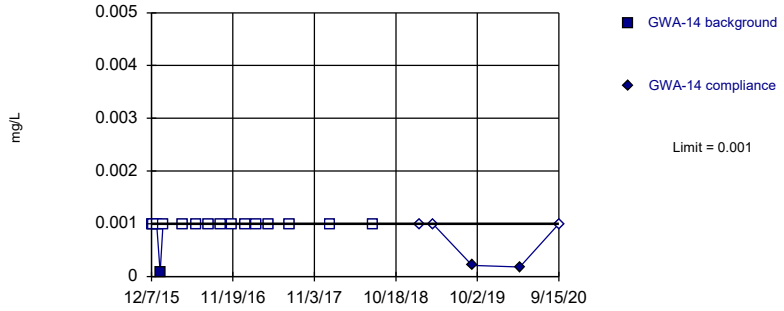
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



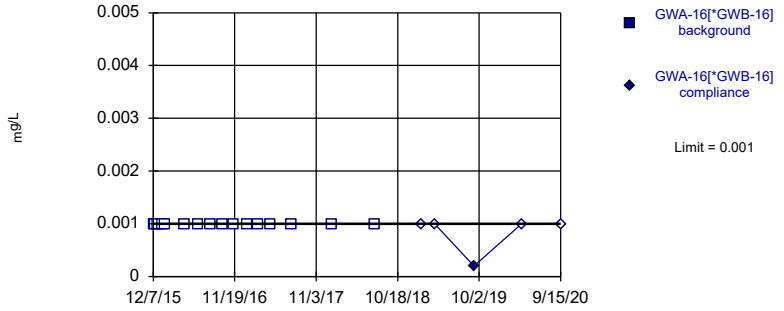
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

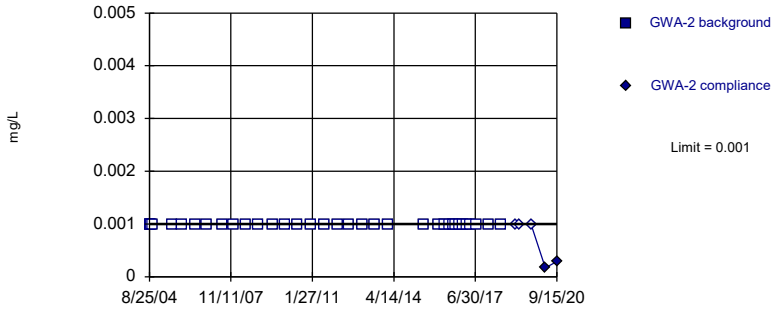
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
4/20/2016	<0.001	
6/15/2016	<0.001	
8/9/2016	<0.001	
9/27/2016	<0.001	
11/15/2016	<0.001	
1/11/2017	<0.001	
3/1/2017	<0.001	
4/20/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.0002 (J)
4/1/2020		<0.001
9/15/2020		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



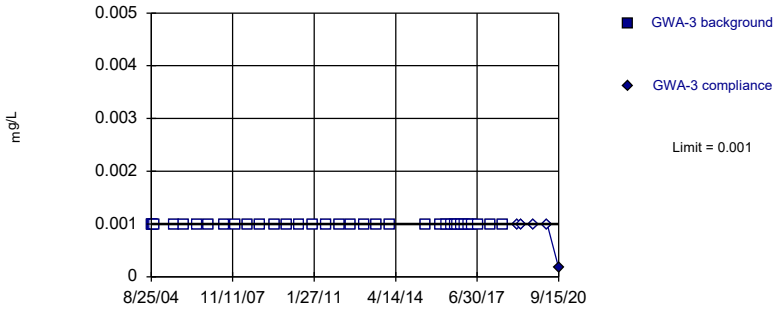
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



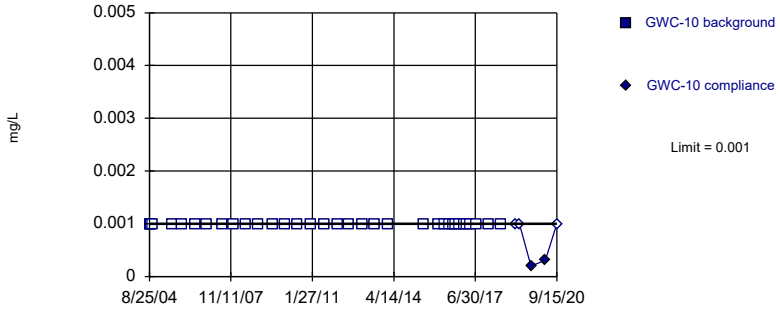
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



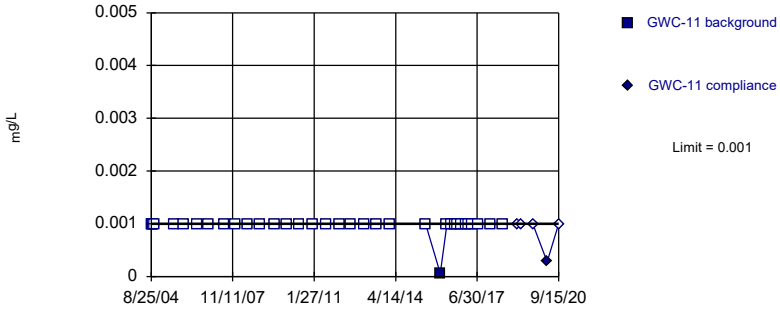
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 97.14% NDs. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

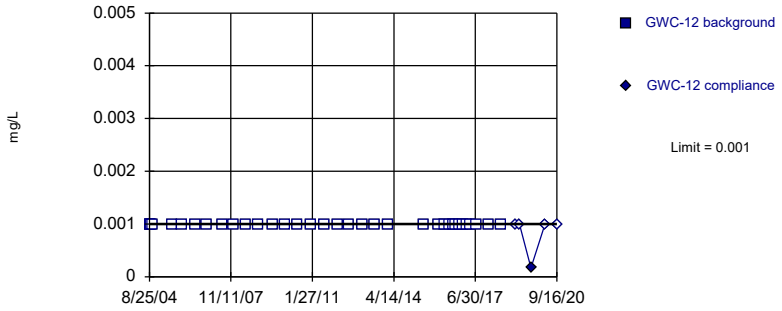
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



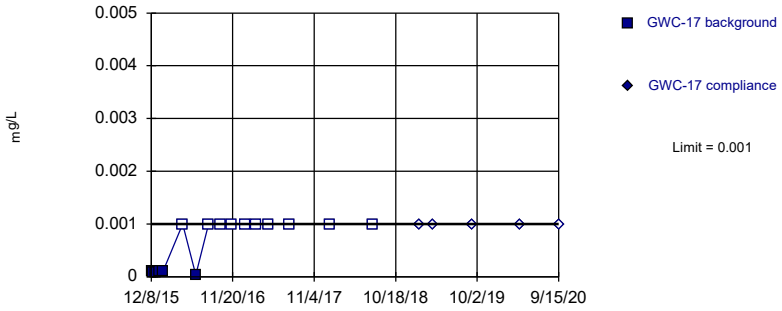
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



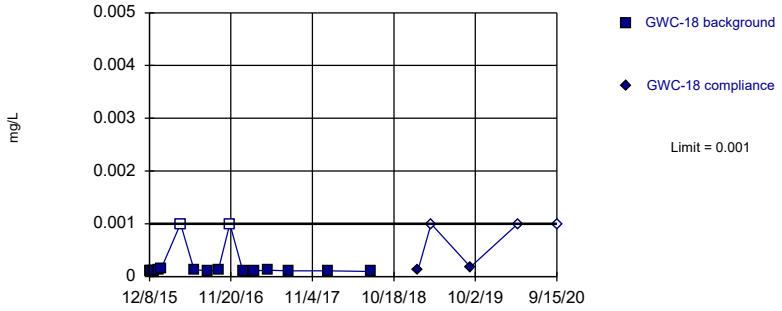
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



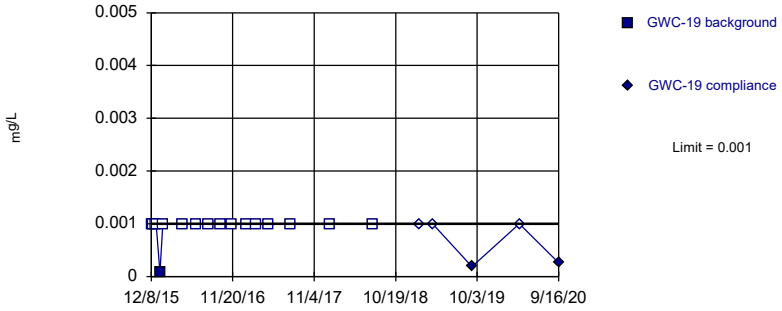
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

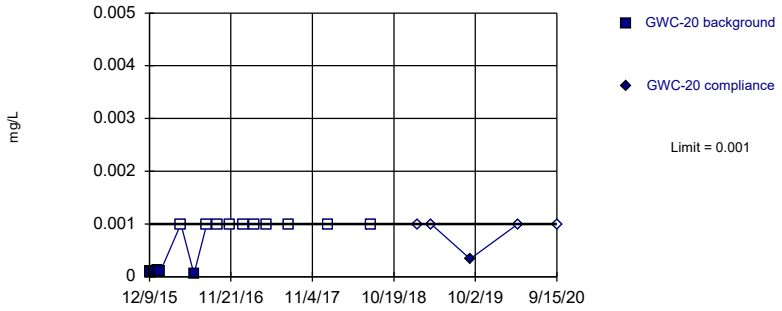
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



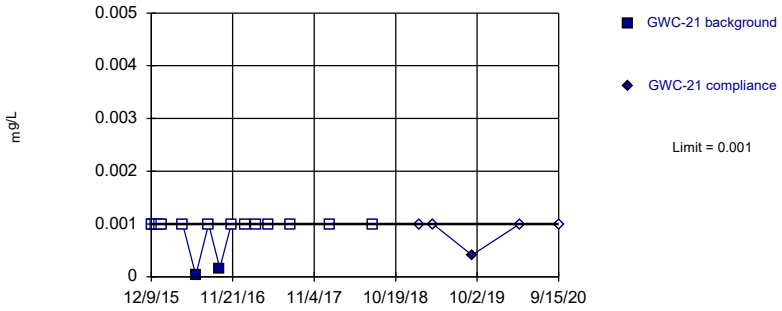
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:29 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



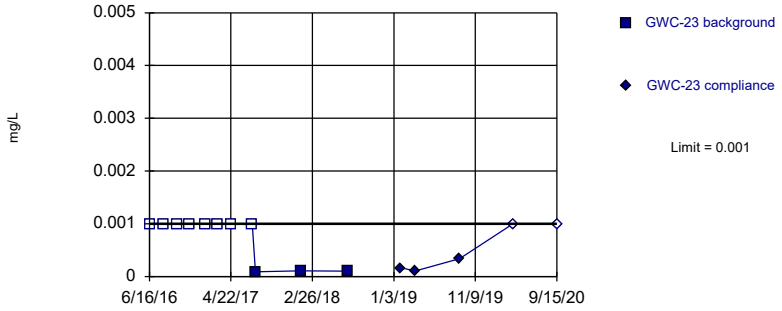
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



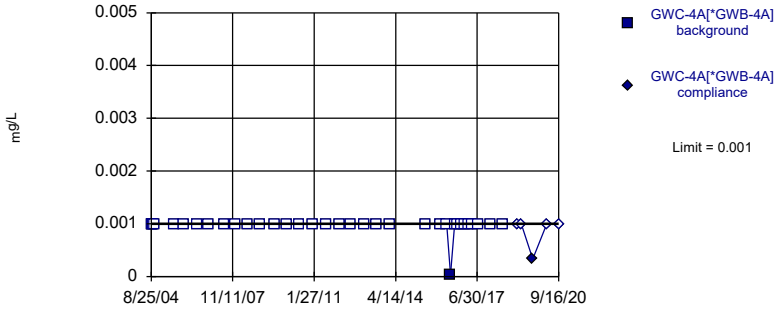
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 97.14% NDs. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

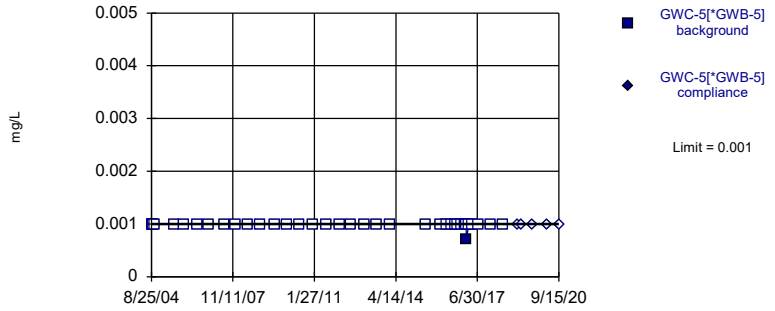
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



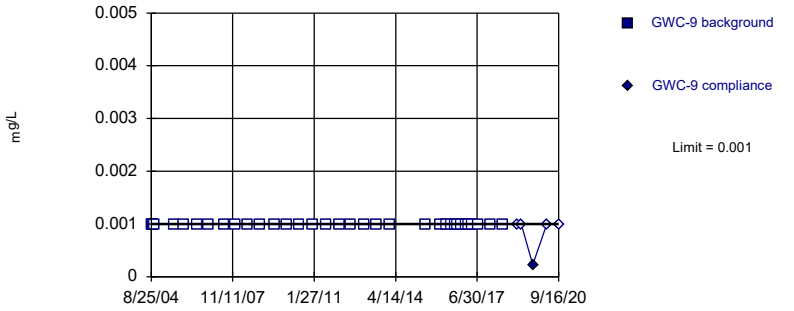
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.0002069. Individual comparison alpha = 0.0001035 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



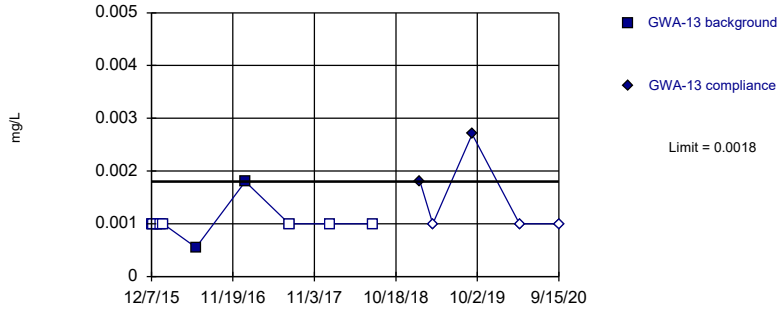
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 35) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0002369. Individual comparison alpha = 0.0001185 (1 of 3).

Constituent: Thallium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



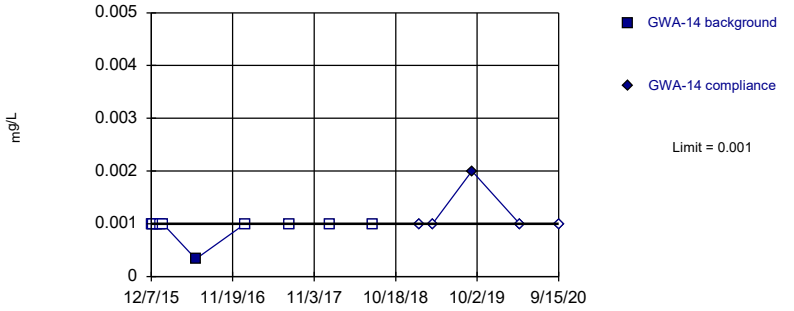
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
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

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-13	GWA-13
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/14/2016	0.00055 (J)	
1/12/2017	0.0018 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		0.0018 (J)
3/26/2019		<0.001
9/10/2019		0.0027
3/31/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

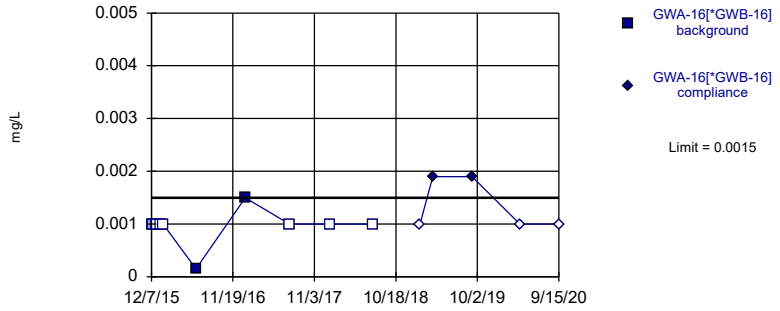
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-14	GWA-14
12/7/2015	<0.001	
12/15/2015	<0.001	
12/29/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/14/2016	0.00033 (J)	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		<0.001
9/10/2019		0.002
4/1/2020		<0.001
9/15/2020		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



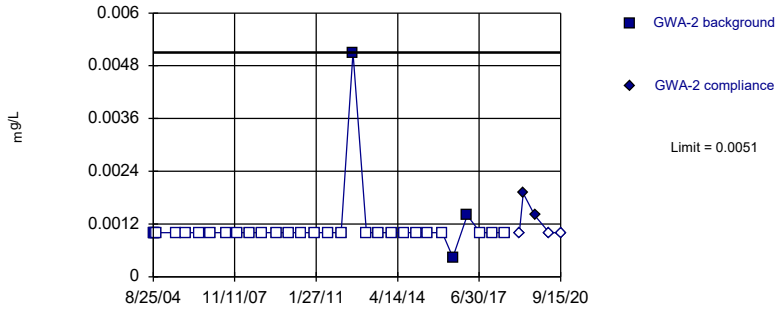
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



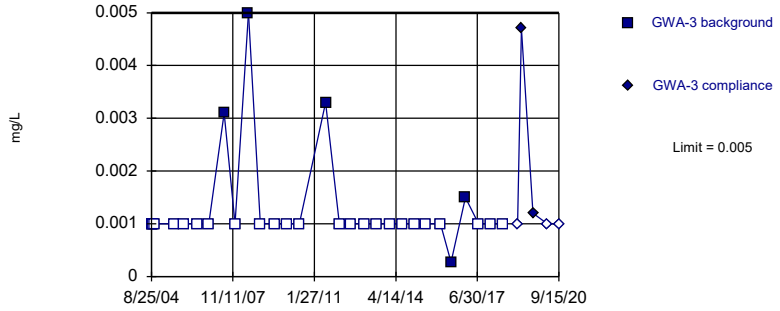
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



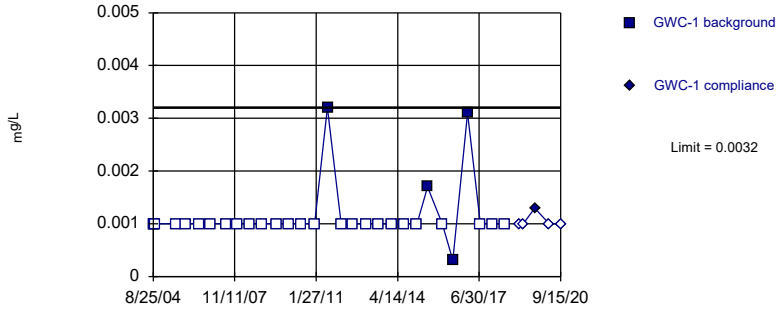
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	0.00015 (J)	
1/11/2017	0.0015 (J)	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0019
9/10/2019		0.0019
4/1/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-2	GWA-2
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	0.0051	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/16/2016	<0.001	
6/14/2016	0.00044 (J)	
1/10/2017	0.0014 (J)	
7/17/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0019
9/11/2019		0.0014
4/1/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-3	GWA-3
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	0.0031	
12/13/2007	<0.001	
6/20/2008	0.005	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	0.056 (O)	
7/9/2011	0.0033	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
6/14/2016	0.00027 (J)	
1/10/2017	0.0015 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0047
9/11/2019		0.0012
4/1/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

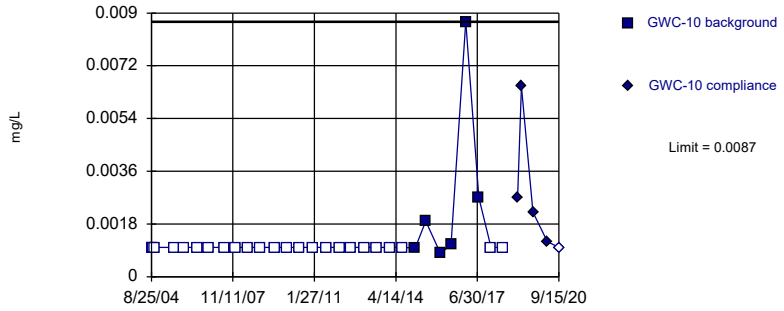
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-1
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	0.0032	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	0.0017 (J)	
1/16/2016	<0.001	
6/15/2016	0.00031 (J)	
1/12/2017	0.0031	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		<0.001
9/11/2019		0.0013
4/1/2020		<0.001
9/15/2020		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



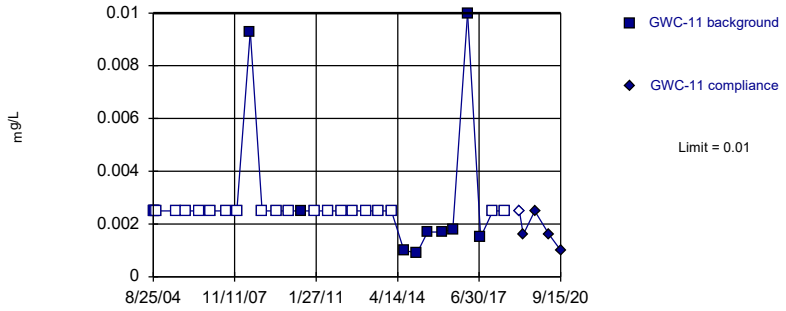
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 80.65% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



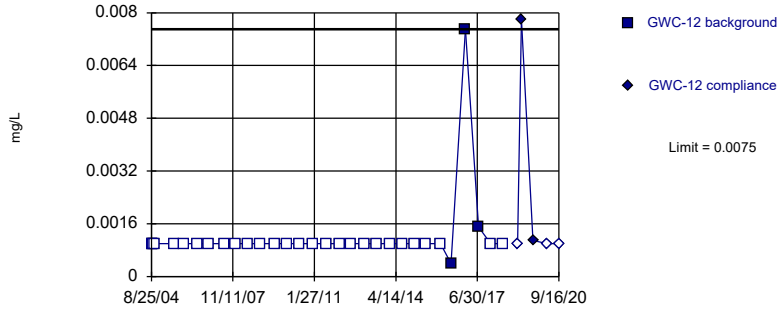
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 70.97% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



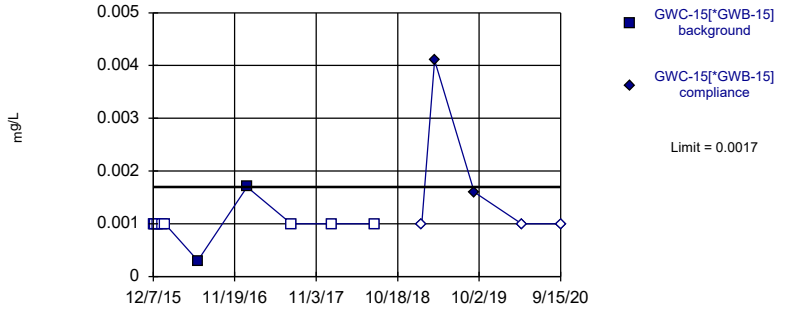
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-10	GWC-10
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/16/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	0.00098 (J)	
6/20/2015	0.0019 (J)	
1/16/2016	0.0008 (J)	
6/16/2016	0.0011 (J)	
1/12/2017	0.0087	
7/24/2017	0.0027	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		0.0027 (J)
3/27/2019		0.0065
9/11/2019		0.0022
4/1/2020		0.0012
9/15/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	
12/7/2008	<0.0025	
7/10/2009	<0.0025	
12/29/2009	<0.0025	
6/22/2010	0.0025	
1/5/2011	<0.0025	
7/9/2011	<0.0025	
1/21/2012	<0.0025	
7/11/2012	<0.0025	
1/19/2013	<0.0025	
7/19/2013	<0.0025	
1/15/2014	<0.0025	
7/11/2014	0.001 (J)	
1/16/2015	0.00089 (J)	
6/20/2015	0.0017 (J)	
1/14/2016	0.0017 (J)	
6/15/2016	0.0018 (J)	
1/12/2017	0.01	
7/24/2017	0.0015 (J)	
1/11/2018	<0.0025	
7/12/2018	<0.0025	
1/30/2019		<0.0025
3/27/2019		0.0016
9/11/2019		0.0025
4/2/2020		0.0016
9/15/2020		0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-12	GWC-12
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/10/2009	<0.001	
12/28/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/20/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/11/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	<0.001	
1/16/2016	<0.001	
6/15/2016	0.0004 (J)	
1/12/2017	0.0075	
7/20/2017	0.0015 (J)	
1/11/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0078
9/11/2019		0.0011
4/1/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

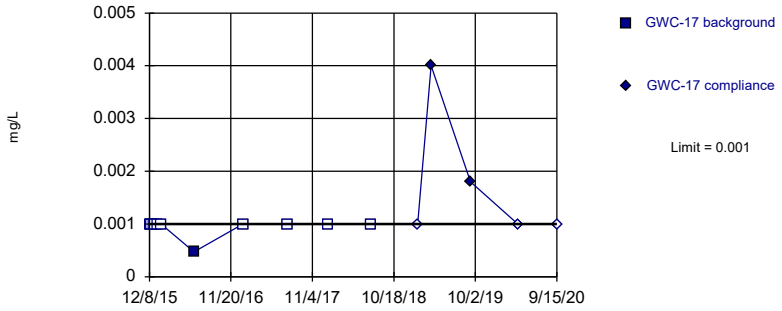
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	<0.001	
12/15/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/25/2016	<0.001	
6/15/2016	0.0003 (J)	
1/11/2017	0.0017 (J)	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0041
9/11/2019		0.0016
4/1/2020		<0.001
9/15/2020		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



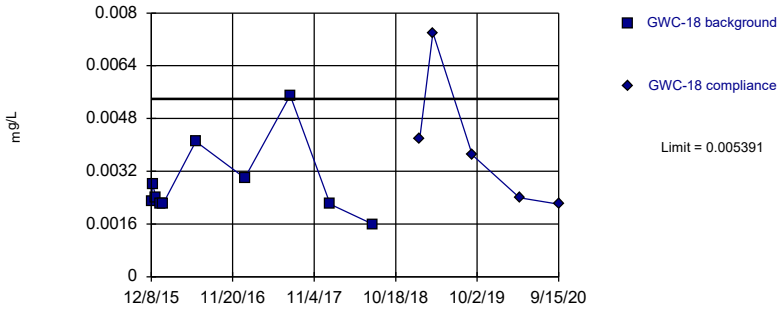
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Within Limit

Prediction Limit

Intrawell Parametric



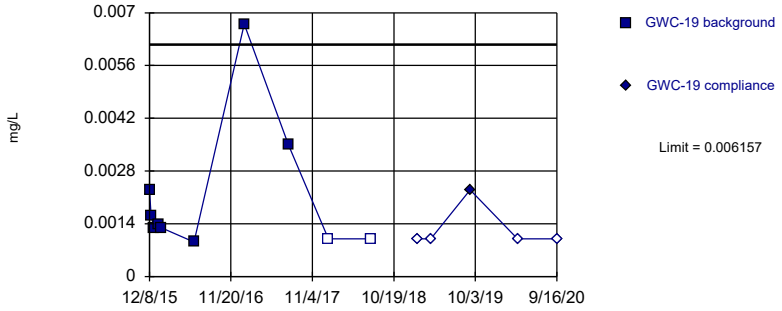
Background Data Summary: Mean=0.00283, Std. Dev.=0.001152, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8111, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



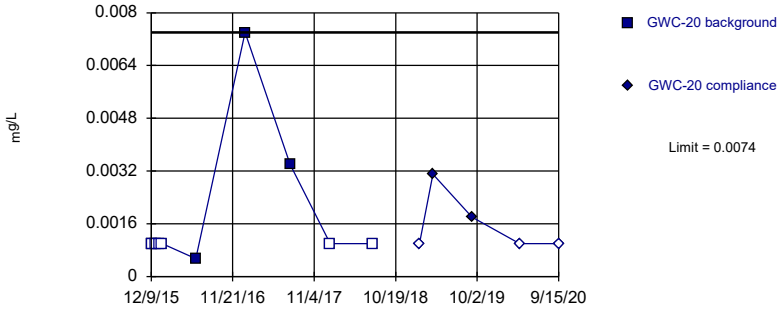
Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1199, Std. Dev.=0.02849, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8028, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17	GWC-17
12/8/2015	<0.001	
12/14/2015	<0.001	
12/28/2015	<0.001	
1/13/2016	<0.001	
1/26/2016	<0.001	
6/15/2016	0.00047 (J)	
1/11/2017	<0.001	
7/19/2017	<0.001	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.004
9/11/2019		0.0018
4/1/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

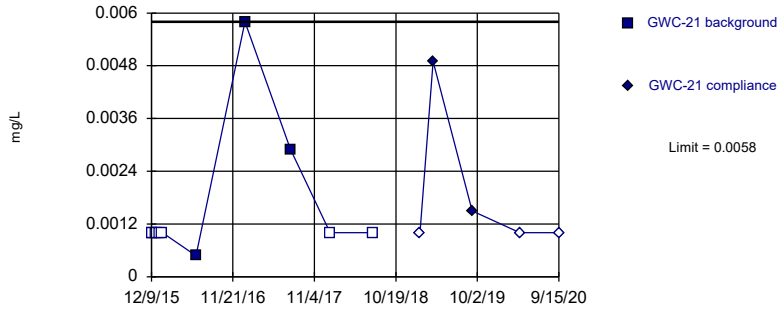
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-20	GWC-20
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
6/16/2016	0.00054 (J)	
1/13/2017	0.0074	
7/25/2017	0.0034	
1/12/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/27/2019		0.0031
9/11/2019		0.0018
4/1/2020		<0.001
9/15/2020		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



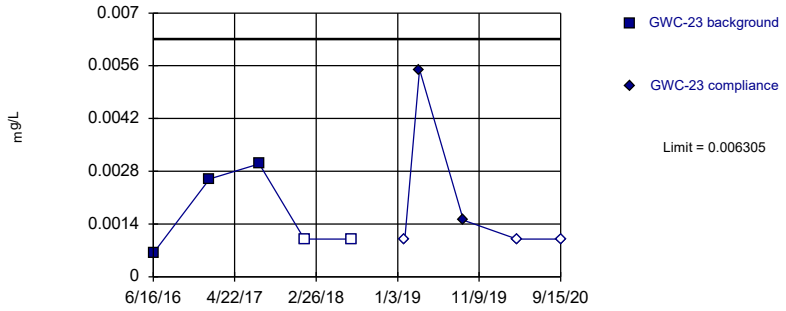
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



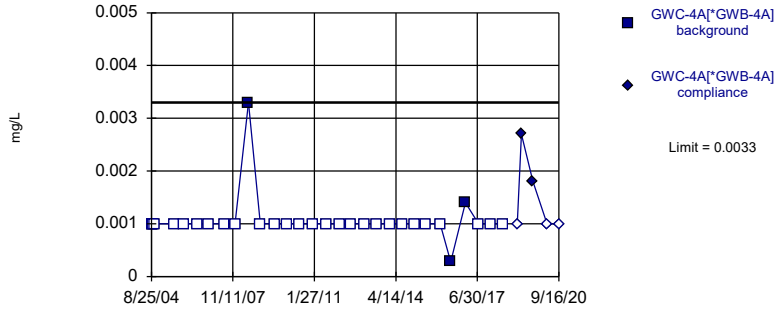
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001498, Std. Dev.=0.001071, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8343, critical = 0.686. Kappa = 4.49 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Vanadium Analysis Run 11/18/2020 11:30 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



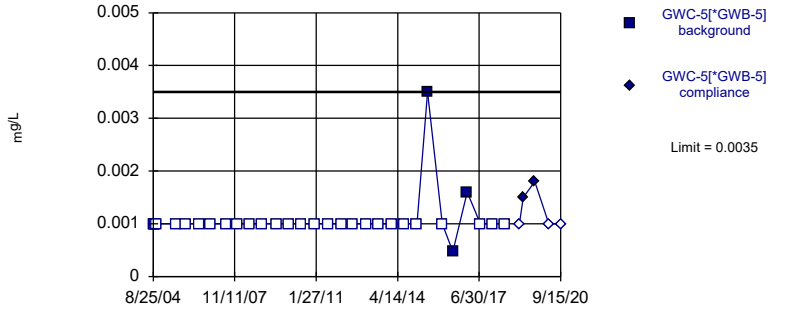
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-21	GWC-21
12/9/2015	<0.001	
12/14/2015	<0.001	
12/29/2015	<0.001	
1/14/2016	<0.001	
1/25/2016	<0.001	
6/16/2016	0.00048 (J)	
1/12/2017	0.0058	
7/25/2017	0.0029	
1/11/2018	<0.001	
7/11/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0049
9/11/2019		0.0015
4/1/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-23
6/16/2016	0.00063 (J)	
1/17/2017	0.0026	
7/25/2017	0.003	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.0055
9/11/2019		0.0015
4/1/2020		<0.001
9/15/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	0.0033	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/30/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/10/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/20/2013	<0.001	
7/19/2013	<0.001	
1/16/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/14/2016	0.00028 (J)	
1/10/2017	0.0014 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0027
9/10/2019		0.0018
3/31/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

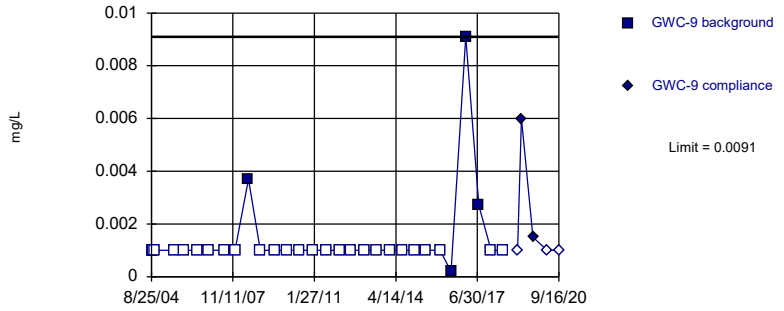
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	<0.001	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/4/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/15/2015	<0.001	
6/19/2015	0.0035 (J)	
1/14/2016	<0.001	
6/14/2016	0.00047 (J)	
1/11/2017	0.0016 (J)	
7/18/2017	<0.001	
1/10/2018	<0.001	
7/11/2018	<0.001	
1/29/2019		<0.001
3/26/2019		0.0015
9/10/2019		0.0018
3/31/2020		<0.001
9/15/2020		<0.001

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



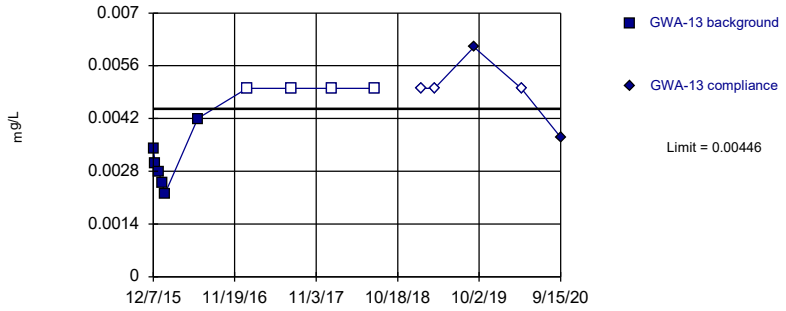
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Vanadium Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



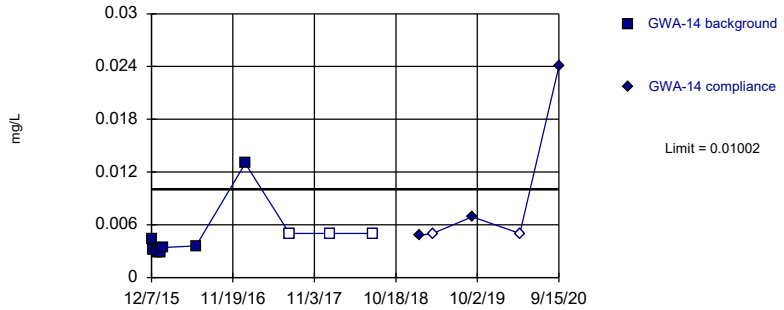
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003017, Std. Dev.=0.0006491, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8435, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Exceeds Limit

Prediction Limit

Intrawell Parametric



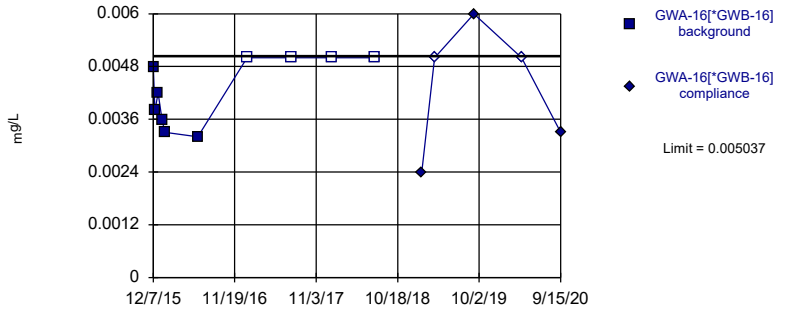
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.575, Std. Dev.=0.437, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8151, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003817, Std. Dev.=0.000549, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8234, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-9
8/25/2004	<0.001	
9/11/2004	<0.001	
9/26/2004	<0.001	
10/13/2004	<0.001	
7/11/2005	<0.001	
12/7/2005	<0.001	
6/22/2006	<0.001	
11/28/2006	<0.001	
7/6/2007	<0.001	
12/13/2007	<0.001	
6/20/2008	0.0037	
12/7/2008	<0.001	
7/9/2009	<0.001	
12/29/2009	<0.001	
6/22/2010	<0.001	
1/5/2011	<0.001	
7/9/2011	<0.001	
1/21/2012	<0.001	
7/11/2012	<0.001	
1/19/2013	<0.001	
7/18/2013	<0.001	
1/15/2014	<0.001	
7/10/2014	<0.001	
1/16/2015	<0.001	
6/20/2015	<0.001	
1/14/2016	<0.001	
6/15/2016	0.00019 (J)	
1/13/2017	0.0091	
7/24/2017	0.0027	
1/12/2018	<0.001	
7/12/2018	<0.001	
1/30/2019		<0.001
3/27/2019		0.006
9/11/2019		0.0015
4/1/2020		<0.001
9/16/2020		<0.001

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

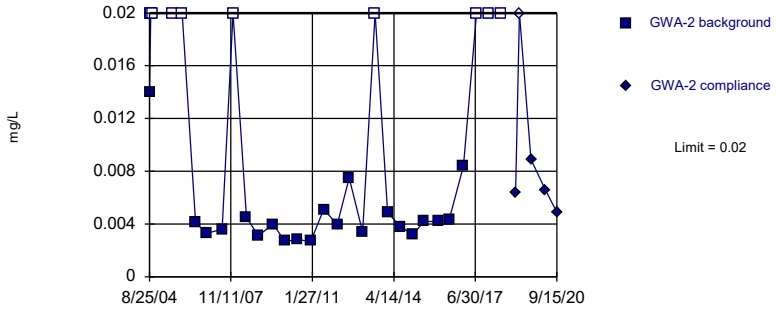
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
12/7/2015	0.0048	
12/14/2015	0.0038	
12/28/2015	0.0042	
1/13/2016	0.0036	
1/25/2016	0.0033	
6/15/2016	0.0032 (J)	
1/11/2017	<0.005	
7/19/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0024 (J)
3/26/2019		<0.005
9/10/2019		0.006
4/1/2020		<0.005
9/15/2020		0.0033 (J)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



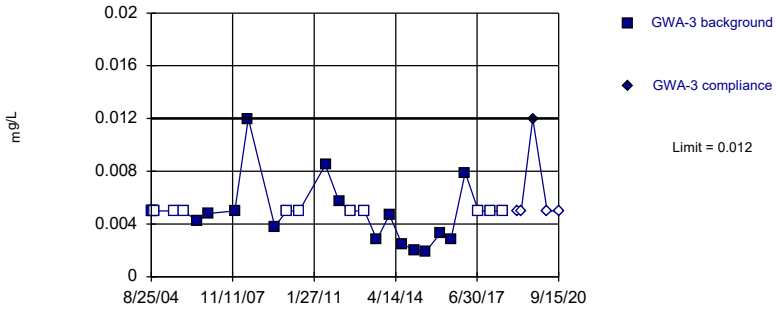
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



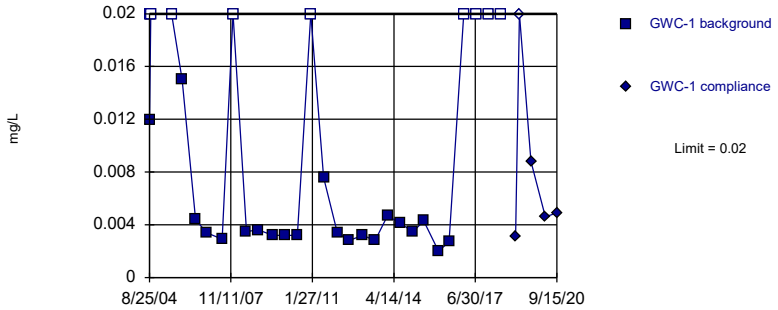
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 46.43% NDs. Well-constituent pair annual alpha = 0.0004633. Individual comparison alpha = 0.0002317 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



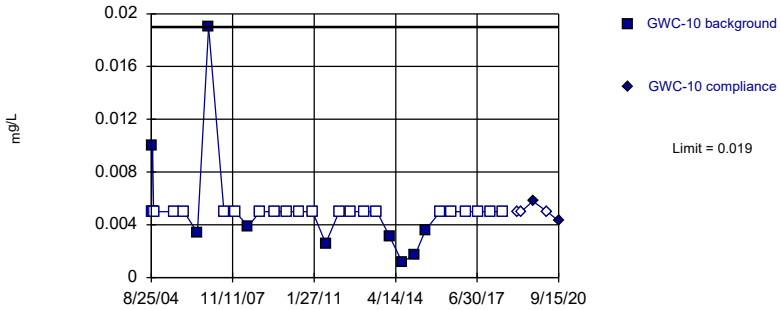
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 30% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 70.97% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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 (O)	
12/13/2007	0.005	
6/20/2008	0.012	
12/7/2008	0.042 (O)	
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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-1
8/25/2004	0.012	
9/11/2004	<0.02	
9/26/2004	<0.02	
7/11/2005	<0.02	
12/7/2005	0.015	
6/22/2006	0.0044	
11/28/2006	0.0034	
7/6/2007	0.0029	
12/13/2007	<0.02	
6/20/2008	0.0035	
12/7/2008	0.0036	
7/9/2009	0.0032	
12/28/2009	0.0032	
6/22/2010	0.0032	
1/4/2011	<0.02	
7/9/2011	0.0076	
1/21/2012	0.0034	
7/11/2012	0.0028	
1/20/2013	0.0032	
7/19/2013	0.0028	
1/15/2014	0.0047	
7/11/2014	0.0041	
1/16/2015	0.0035	
6/20/2015	0.0043	
1/16/2016	0.002 (J)	
6/15/2016	0.0027 (J)	
1/12/2017	<0.02	
7/19/2017	<0.02	
1/11/2018	<0.02	
7/12/2018	<0.02	
1/30/2019		0.0031 (J)
3/27/2019		<0.02
9/11/2019		0.0088
4/1/2020		0.0046 (J)
9/15/2020		0.0049 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

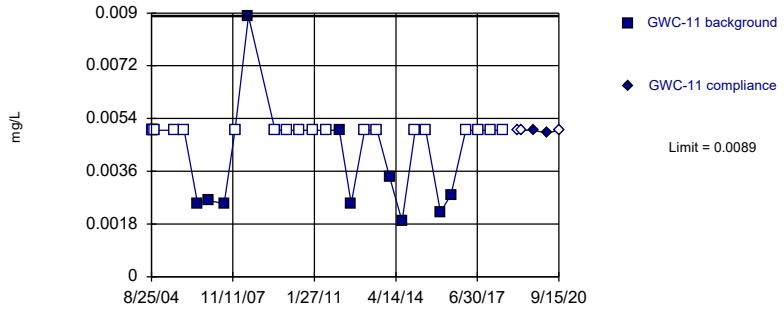
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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)

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



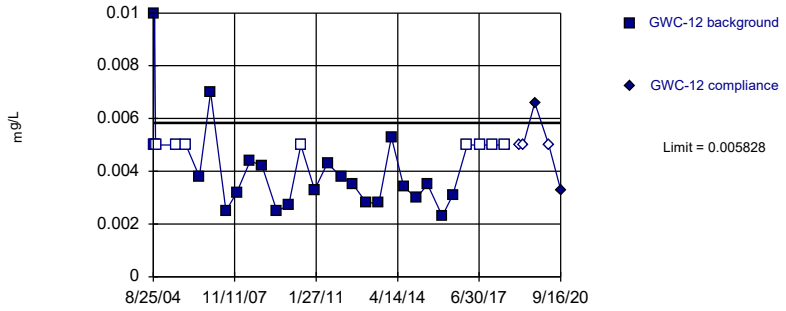
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



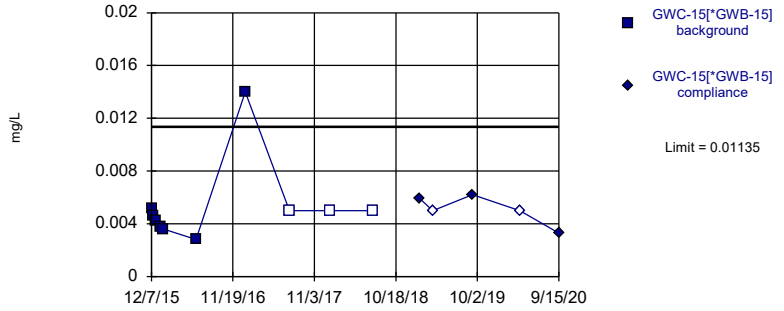
Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1507, Std. Dev.=0.01782, n=31, 32.26% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9134, critical = 0.902. Kappa = 1.641 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



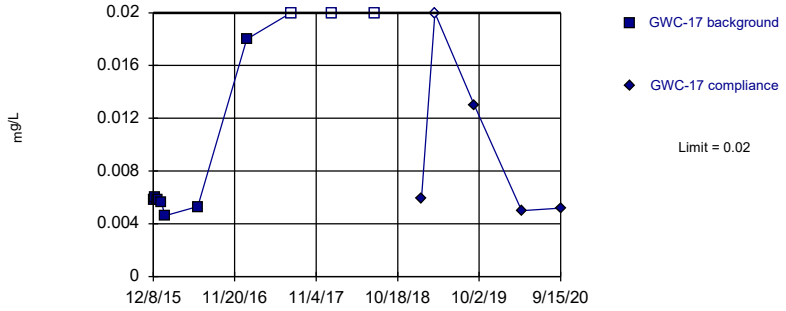
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.422, Std. Dev.=0.4242, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7931, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 10 background values. 30% NDs. Well-constituent pair annual alpha = 0.006868. Individual comparison alpha = 0.00344 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
12/7/2015	0.0052	
12/15/2015	0.0046	
12/28/2015	0.0042	
1/13/2016	0.0038	
1/25/2016	0.0036	
6/15/2016	0.0028 (J)	
1/11/2017	0.014 (J)	
7/19/2017	<0.005	
1/11/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0059 (J)
3/26/2019		<0.005
9/11/2019		0.0062
4/1/2020		<0.005
9/15/2020		0.0033 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:38 AM View: EPD

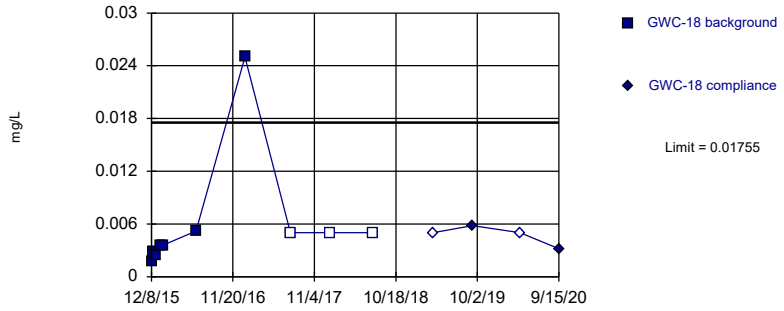
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



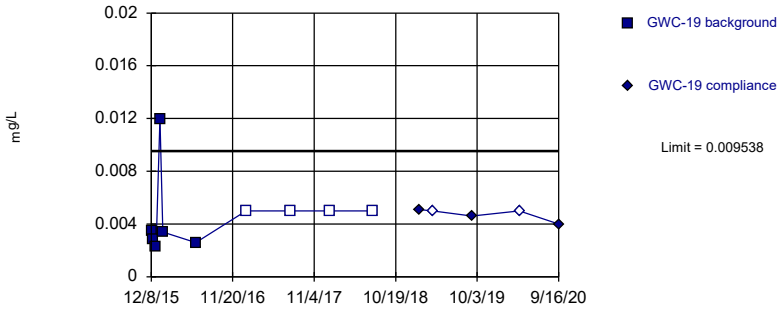
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.696, Std. Dev.=0.7436, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8386, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



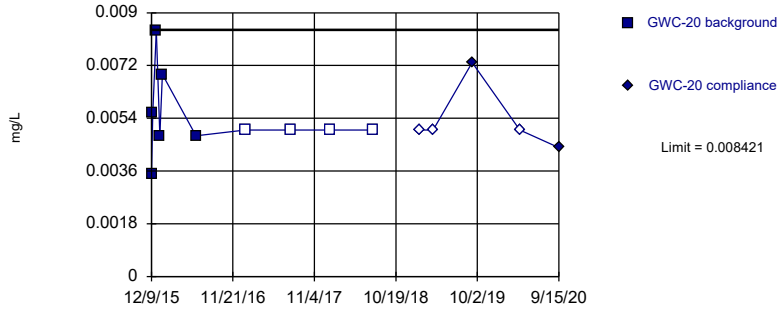
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05943, Std. Dev.=0.01719, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8064, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



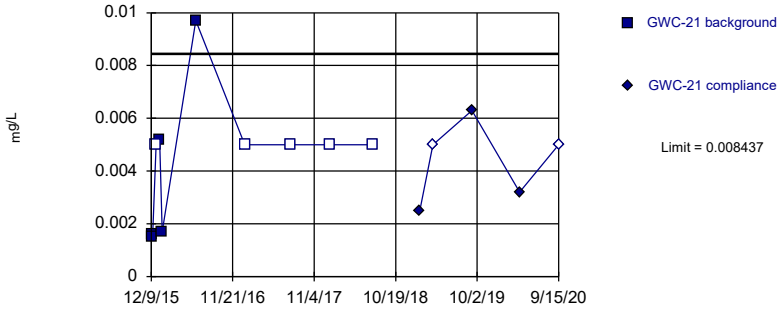
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004843, Std. Dev.=0.001609, n=10, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8304, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00277, Std. Dev.=0.002548, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8057, critical = 0.781. Kappa = 2.224 (c=15, w=9, 1 of 3, event alpha = 0.05132). Report alpha = 0.0003901.

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:39 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:39 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:39 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:39 AM View: EPD

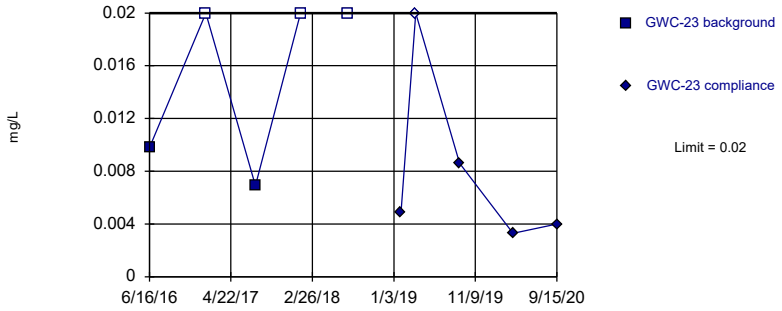
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



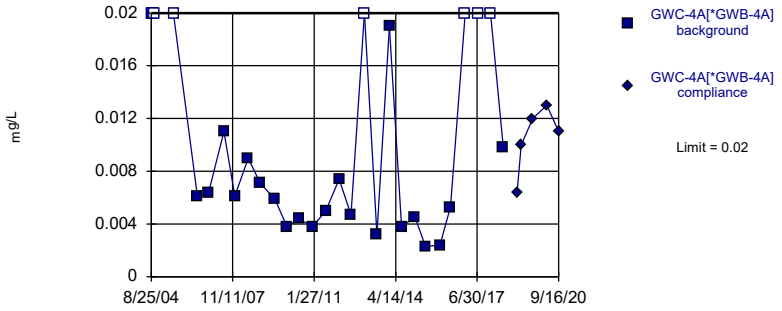
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:31 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



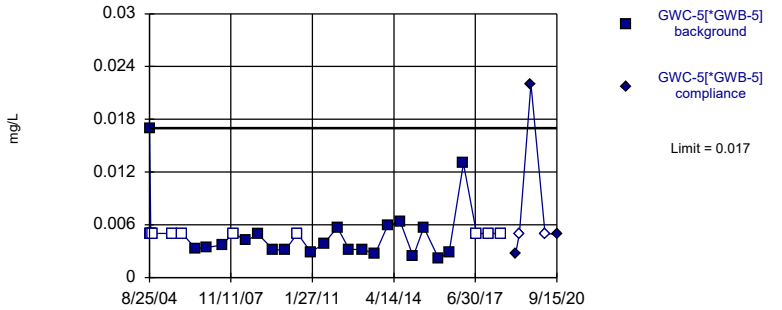
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 30% NDs. Well-constituent pair annual alpha = 0.0003661. Individual comparison alpha = 0.0001831 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:32 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



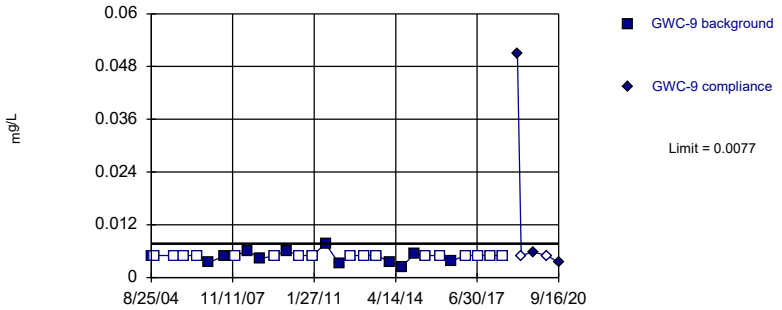
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 32.26% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:32 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 64.52% NDs. Well-constituent pair annual alpha = 0.0003403. Individual comparison alpha = 0.0001701 (1 of 3).

Constituent: Zinc Analysis Run 11/18/2020 11:32 AM View: EPD
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:39 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:39 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
8/25/2004	<0.02	
9/11/2004	<0.02	
9/26/2004	<0.02	
10/13/2004	<0.02	
7/11/2005	<0.02	
12/7/2005	0.06 (O)	
6/22/2006	0.0061	
11/28/2006	0.0064	
7/6/2007	0.011	
12/13/2007	0.0061	
6/20/2008	0.009	
12/7/2008	0.0071	
7/9/2009	0.0059	
12/30/2009	0.0038	
6/22/2010	0.0044	
1/4/2011	0.0038	
7/10/2011	0.005	
1/21/2012	0.0074	
7/11/2012	0.0047	
1/20/2013	<0.02	
7/19/2013	0.0032	
1/16/2014	0.019	
7/10/2014	0.0038	
1/16/2015	0.0045	
6/20/2015	0.0023 (J)	
1/14/2016	0.0024 (J)	
6/14/2016	0.0053 (J)	
1/10/2017	<0.02	
7/18/2017	<0.02	
1/10/2018	<0.02	
7/11/2018	0.0098 (J)	
1/29/2019		0.0064 (J)
3/26/2019		0.01
9/10/2019		0.012
3/31/2020		0.013
9/16/2020		0.011

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:39 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
8/25/2004	0.017	
9/11/2004	<0.005	
9/26/2004	<0.005	
10/13/2004	<0.005	
7/11/2005	<0.005	
12/7/2005	<0.005	
6/22/2006	0.0033	
11/28/2006	0.0034	
7/6/2007	0.0037	
12/13/2007	<0.005	
6/20/2008	0.0042	
12/7/2008	0.0049	
7/9/2009	0.0032	
12/29/2009	0.0031	
6/22/2010	<0.005	
1/4/2011	0.0029	
7/9/2011	0.0038	
1/21/2012	0.0057	
7/11/2012	0.0032	
1/19/2013	0.0032	
7/18/2013	0.0027	
1/15/2014	0.0059	
7/10/2014	0.0064	
1/15/2015	0.0024 (J)	
6/19/2015	0.0057	
1/14/2016	0.0022 (J)	
6/14/2016	0.0028 (J)	
1/11/2017	0.013 (J)	
7/18/2017	<0.005	
1/10/2018	<0.005	
7/11/2018	<0.005	
1/29/2019		0.0027 (J)
3/26/2019		<0.005
9/10/2019		0.022
3/31/2020		<0.005
9/15/2020		0.0049 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 11/18/2020 11:39 AM View: EPD

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

FIGURE E.

Interwell Prediction Limit Summary (Intrawell Exceedances)

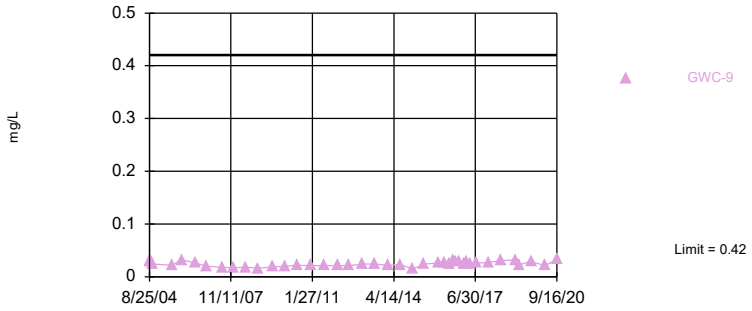
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 12:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-9	0.42	n/a	9/16/2020	0.033	No	293	n/a	n/a	0	n/a	n/a	7.3e-7	NP Inter (normality) ...

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 293 background values. Annual per-constituent alpha = 0.0000131. Individual comparison alpha = 7.3e-7 (1 of 3). Assumes 8 future values.

Constituent: Barium Analysis Run 11/18/2020 12:10 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 12:10 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-4A[*GWB-4...	GWA-3 (bg)	GWC-5[*GWB-5]...	GWA-2 (bg)	GWA-13 (bg)	GWA-16[*GWB-1...	GWA-14 (bg)	GWC-15[*GWB-1...
8/25/2004	0.029	0.0096	0.025	0.016	0.018				
9/11/2004	0.031	0.024	0.015	0.02	0.019				
9/26/2004	0.03	0.027	0.017	0.016	0.02				
10/13/2004	0.024	0.022	0.017	0.014	0.017				
7/11/2005	0.022	0.029	0.012	0.014	0.012				
12/7/2005	0.032	0.023	0.012	0.014	0.014				
6/22/2006	0.026	0.026	0.016	0.019	0.018				
11/28/2006	0.02	0.039	0.017	0.016	0.015				
7/6/2007	0.018	0.037	0.1 (O)	0.018	0.014				
12/13/2007	0.017	0.029	0.01	0.015	0.014				
6/20/2008	0.018	0.037	0.026	0.018	0.018				
12/7/2008	0.016	0.025	0.097 (O)	0.016	0.013				
7/9/2009	0.019	0.028	0.01	0.019	0.019				
12/28/2009			0.0091		0.012				
12/29/2009	0.02			0.02					
12/30/2009		0.017							
6/22/2010	0.022	0.032	0.011	0.027	0.02				
1/4/2011		0.02		0.025	0.02				
1/5/2011	0.021		0.21 (O)						
7/9/2011	0.021		0.035	0.022	0.028				
7/10/2011		0.032							
1/20/2012			0.021						
1/21/2012	0.021	0.026		0.024	0.026				
7/11/2012	0.021	0.023	0.009	0.024	0.038				
1/19/2013	0.024		0.01	0.026					
1/20/2013		0.011			0.025				
7/18/2013	0.024		0.014	0.024					
7/19/2013		0.018			0.018				
1/15/2014	0.022		0.016	0.026	0.026				
1/16/2014		0.015							
7/10/2014	0.023	0.025		0.036					
7/11/2014			0.016		0.029				
1/15/2015			0.014	0.035					
1/16/2015	0.015	0.022			0.021				
6/19/2015			0.013	0.066					
6/20/2015	0.024	0.015			0.031				
12/7/2015						0.015	0.027	0.018	0.027
12/8/2015									
12/14/2015							0.028		
12/15/2015						0.015		0.017	0.028
12/28/2015							0.029		0.026
12/29/2015						0.016		0.018	
1/13/2016						0.017	0.028	0.018	0.026
1/14/2016	0.026	0.016		0.059					
1/16/2016			0.021		0.031				
1/25/2016						0.017	0.027	0.018	0.027
1/26/2016									
4/19/2016	0.0274		0.0217		0.0305				
4/20/2016		0.0234		0.0553		0.0144	0.0259	0.0143	
4/21/2016									0.0262
6/14/2016		0.019	0.024	0.035	0.03	0.015		0.012	
6/15/2016	0.024						0.024		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 12:10 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-4A[*GWB-4...	GWA-3 (bg)	GWC-5[*GWB-5]...	GWA-2 (bg)	GWA-13 (bg)	GWA-16[*GWB-1...	GWA-14 (bg)	GWC-15[*GWB-1...
6/16/2016									
8/9/2016			0.023	0.035	0.032	0.013	0.023	0.011	0.023
8/10/2016	0.031								
8/11/2016		0.024							
9/26/2016					0.031				
9/27/2016	0.029	0.035	0.016	0.038		0.015	0.021	0.01	0.023
9/28/2016									
11/14/2016		0.034	0.014						
11/15/2016	0.029			0.039	0.033	0.015	0.023	0.012	0.023
11/16/2016									
1/10/2017		0.021	0.015		0.031				
1/11/2017				0.037			0.021	0.011	0.022
1/12/2017						0.012			
1/13/2017	0.025								
1/19/2017				0.079					
1/24/2017				0.42					
2/28/2017		0.021	0.017	0.042	0.033	0.016		0.011	0.023
3/1/2017	0.03						0.022		
4/19/2017			0.013		0.032				
4/20/2017		0.019		0.04		0.015	0.022	0.011	0.024
4/24/2017	0.024								
4/25/2017									
7/17/2017					0.033				
7/18/2017		0.018	0.012	0.04		0.015			
7/19/2017							0.024	0.012	0.025
7/24/2017	0.026								
7/25/2017									
1/10/2018		0.021	0.016	0.048	0.034	0.015			
1/11/2018							0.022	0.012	0.023
1/12/2018	0.027								
7/11/2018		0.029	0.015	0.044	0.035	0.015	0.023	0.012	0.025
7/12/2018	0.031								
1/29/2019		0.025	0.017	0.05	0.034	0.019	0.026	0.013	0.027
1/30/2019	0.032								
3/26/2019		0.023		0.046		0.016	0.023	0.012	0.028
3/27/2019	0.023		0.014		0.03				
9/10/2019		0.026		0.044		0.03	0.039	0.016	
9/11/2019	0.029		0.015		0.034				0.023
3/31/2020		0.017		0.044		0.015			
4/1/2020	0.021		0.014		0.037		0.022	0.013	0.026
9/15/2020			0.015	0.041	0.036	0.014	0.024	0.012	0.023
9/16/2020	0.033	0.016							

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 12:10 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-18 (bg)	GWC-17 (bg)
8/25/2004		
9/11/2004		
9/26/2004		
10/13/2004		
7/11/2005		
12/7/2005		
6/22/2006		
11/28/2006		
7/6/2007		
12/13/2007		
6/20/2008		
12/7/2008		
7/9/2009		
12/28/2009		
12/29/2009		
12/30/2009		
6/22/2010		
1/4/2011		
1/5/2011		
7/9/2011		
7/10/2011		
1/20/2012		
1/21/2012		
7/11/2012		
1/19/2013		
1/20/2013		
7/18/2013		
7/19/2013		
1/15/2014		
1/16/2014		
7/10/2014		
7/11/2014		
1/15/2015		
1/16/2015		
6/19/2015		
6/20/2015		
12/7/2015		
12/8/2015	0.053	0.021
12/14/2015	0.049	0.021
12/15/2015		
12/28/2015	0.048	0.02
12/29/2015		
1/13/2016		0.019
1/14/2016	0.048	
1/16/2016		
1/25/2016		
1/26/2016	0.044	0.019
4/19/2016	0.0308	
4/20/2016		0.0188
4/21/2016		
6/14/2016		
6/15/2016		0.017

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 11/18/2020 12:10 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-18 (bg)	GWC-17 (bg)
6/16/2016	0.029	
8/9/2016		0.018
8/10/2016		
8/11/2016	0.023	
9/26/2016		
9/27/2016		0.016
9/28/2016	0.024	
11/14/2016		
11/15/2016		0.017
11/16/2016	0.022	
1/10/2017		
1/11/2017	0.017	0.017
1/12/2017		
1/13/2017		
1/19/2017		
1/24/2017		
2/28/2017		
3/1/2017	0.02	0.017
4/19/2017		
4/20/2017		0.016
4/24/2017		
4/25/2017	0.02	
7/17/2017		
7/18/2017		
7/19/2017		0.017
7/24/2017		
7/25/2017	0.017	
1/10/2018		
1/11/2018		0.017
1/12/2018	0.015	
7/11/2018	0.013	0.017
7/12/2018		
1/29/2019		0.02
1/30/2019	0.02	
3/26/2019		
3/27/2019	0.014	0.017
9/10/2019		
9/11/2019	0.018	0.021
3/31/2020		
4/1/2020	0.013	0.019
9/15/2020	0.014	0.018
9/16/2020		

FIGURE F.

State Parameter Trend Test - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 12/4/2020, 3:55 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	**GWA-2 (bg)**	**0.001435**	**6.397**	**2.58**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-18 (bg)**	**-0.008203**	**-173**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-5[*GWB-5] (bg)**	**0.002187**	**6.677**	**2.58**	**Yes**	**43**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-9**	**0.0005462**	**2.623**	**2.58**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Zinc (mg/L)	**GWA-14 (bg)**	**0.000675**	**58**	**53**	**Yes**	**15**	**33.33**	**n/a**	**n/a**	**0.01**	**NP**

State Parameter Trend Test - All Results

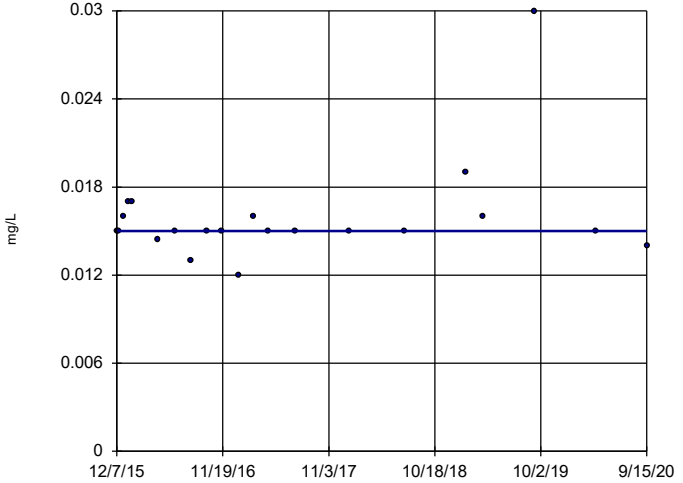
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 12/4/2020, 3:55 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-13 (bg)	0	7	87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-16[*GWB-16] (bg)	-0.0009178	-56	-87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	**GWA-2 (bg)**	**0.001435**	**6.397**	**2.58**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	GWA-3 (bg)	0	-11	-214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-15[*GWB-15] (bg)	-0.0003142	-42	-87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-17 (bg)	-0.0003188	-47	-87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	**GWC-18 (bg)**	**-0.008203**	**-173**	**-87**	**Yes**	**21**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	GWC-4A[*GWB-4A] (bg)	-0.0003814	-1.628	-2.58	No	42	0	n/a	n/a	0.01	NP
Barium (mg/L)	**GWC-5[*GWB-5] (bg)**	**0.002187**	**6.677**	**2.58**	**Yes**	**43**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-9**	**0.0005462**	**2.623**	**2.58**	**Yes**	**42**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Zinc (mg/L)	GWA-13 (bg)	0.0004656	44	53	No	15	46.67	n/a	n/a	0.01	NP
Zinc (mg/L)	**GWA-14 (bg)**	**0.000675**	**58**	**53**	**Yes**	**15**	**33.33**	**n/a**	**n/a**	**0.01**	**NP**
Zinc (mg/L)	GWA-16[*GWB-16] (bg)	0.0000235	17	53	No	15	40	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0	-46	-184	No	35	48.57	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-15[*GWB-15] (bg)	0	9	53	No	15	33.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-17 (bg)	0	6	53	No	15	26.67	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-18 (bg)	0.0006065	40	53	No	15	33.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-4A[*GWB-4A] (bg)	-0.0001069	-59	-184	No	35	25.71	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-5[*GWB-5] (bg)	0	-32	-191	No	36	33.33	n/a	n/a	0.01	NP

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWA-13 (bg)



n = 21

Slope = 0
units per year.

Mann-Kendall
statistic = 7
critical = 87

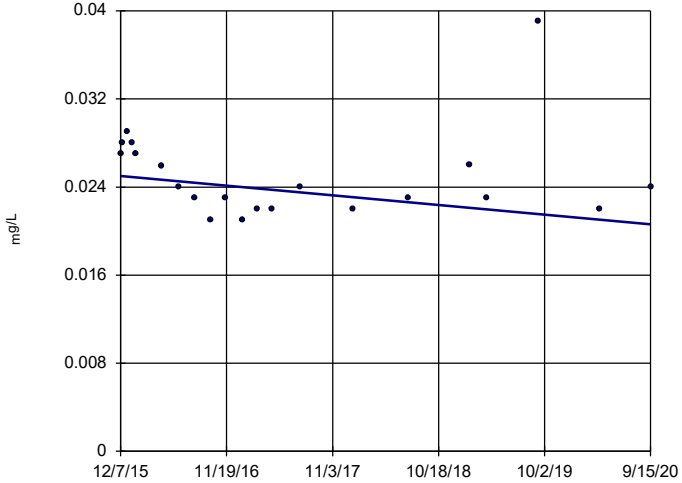
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWA-16[*GWB-16] (bg)



n = 21

Slope = -0.0009178
units per year.

Mann-Kendall
statistic = -56
critical = -87

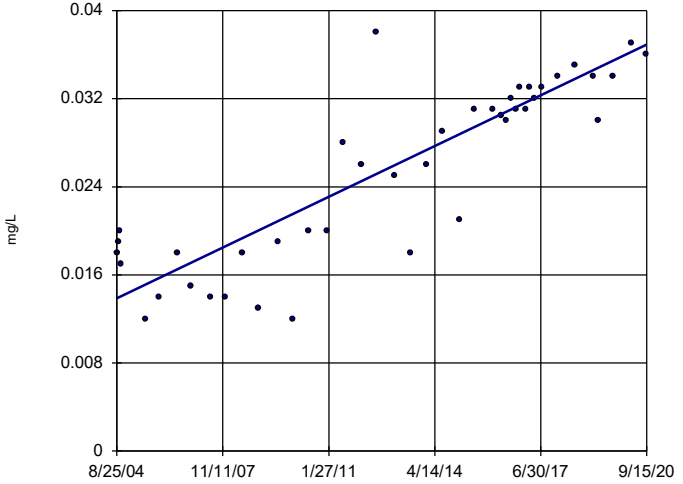
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWA-2 (bg)



n = 42

Slope = 0.001435
units per year.

Mann-Kendall
normal approx. =
6.397
critical = 2.58

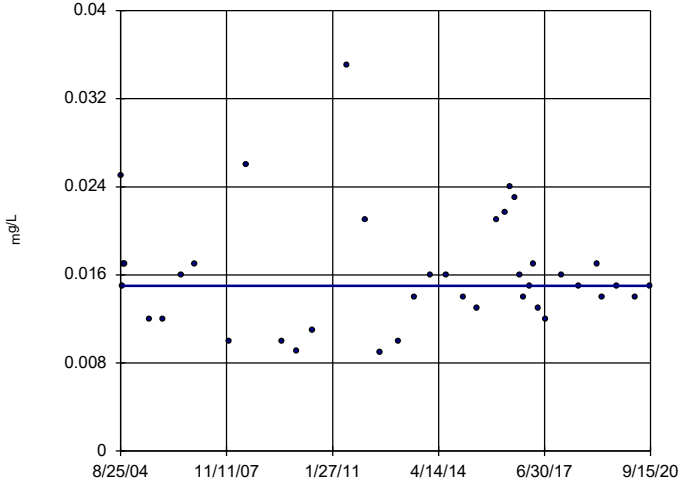
Increasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWA-3 (bg)



n = 39

Slope = 0
units per year.

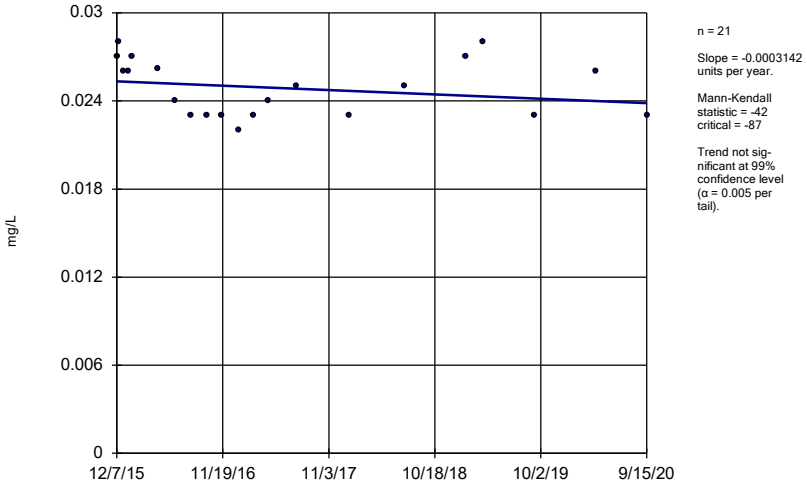
Mann-Kendall
statistic = -11
critical = -214

Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sen's Slope Estimator

GWC-15[*GWB-15] (bg)



n = 21

Slope = -0.0003142 units per year.

Mann-Kendall statistic = -42 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

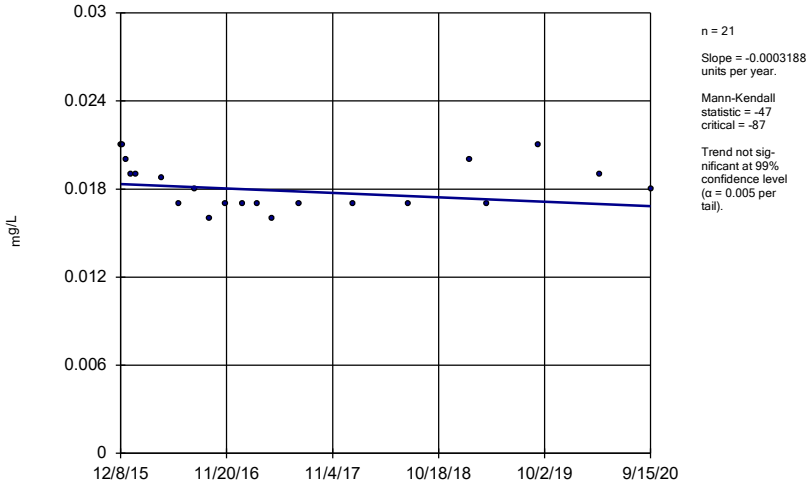
Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWC-17 (bg)



n = 21

Slope = -0.0003188 units per year.

Mann-Kendall statistic = -47 critical = -87

Trend not significant at 99% confidence level (α = 0.005 per tail).

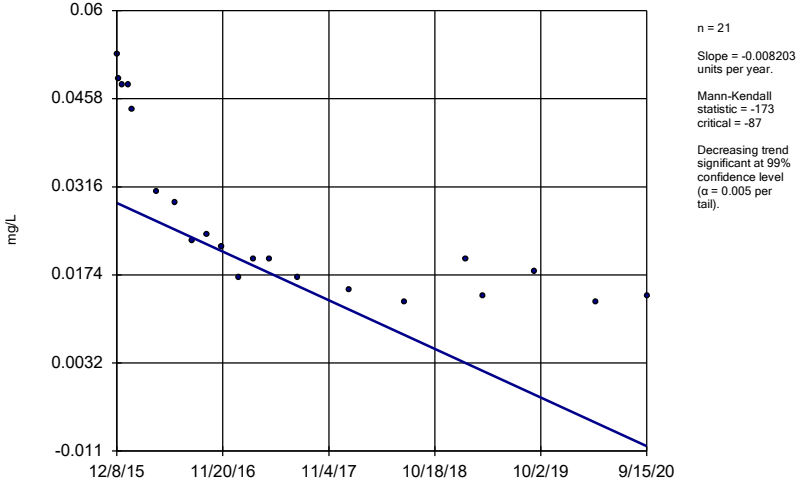
Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWC-18 (bg)



n = 21

Slope = -0.008203 units per year.

Mann-Kendall statistic = -173 critical = -87

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

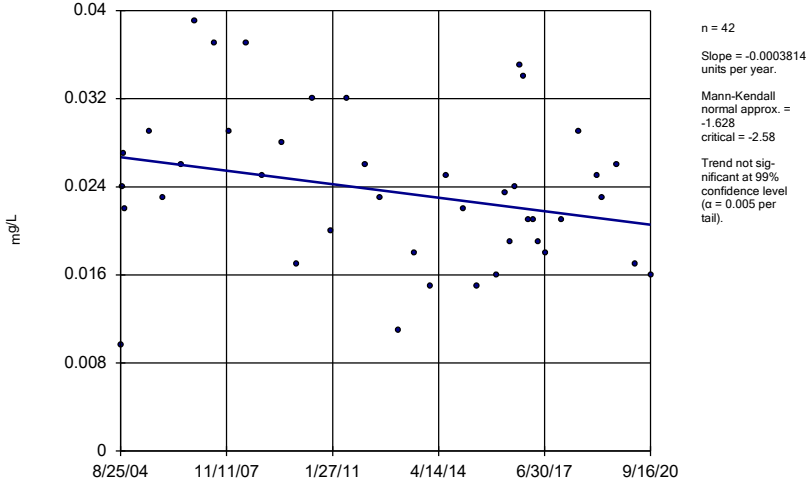
Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWC-4A[*GWB-4A] (bg)



n = 42

Slope = -0.0003814 units per year.

Mann-Kendall normal approx. = -1.628 critical = -2.58

Trend not significant at 99% confidence level (α = 0.005 per tail).

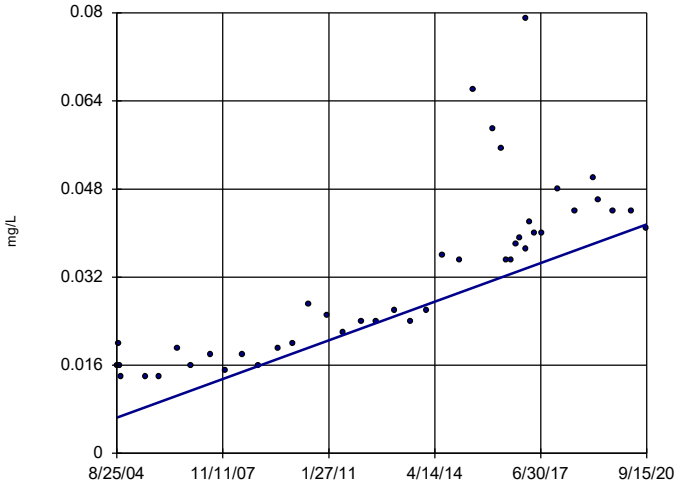
Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWC-5[*GWB-5] (bg)



n = 43

Slope = 0.002187 units per year.

Mann-Kendall normal approx. = 6.677 critical = 2.58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

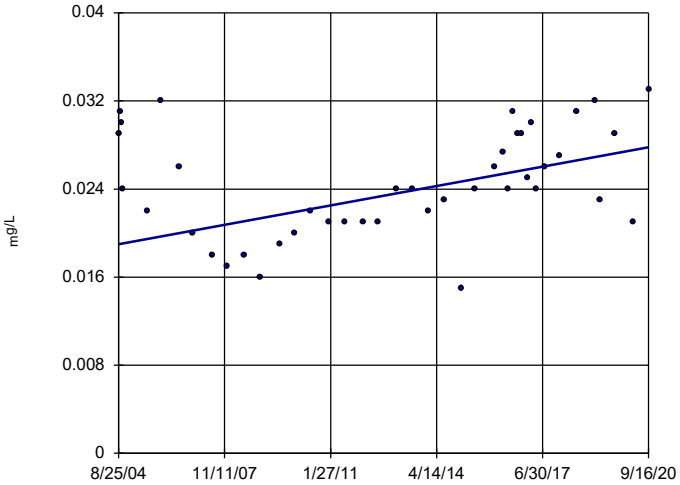
Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWC-9



n = 42

Slope = 0.0005462 units per year.

Mann-Kendall normal approx. = 2.623 critical = 2.58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances

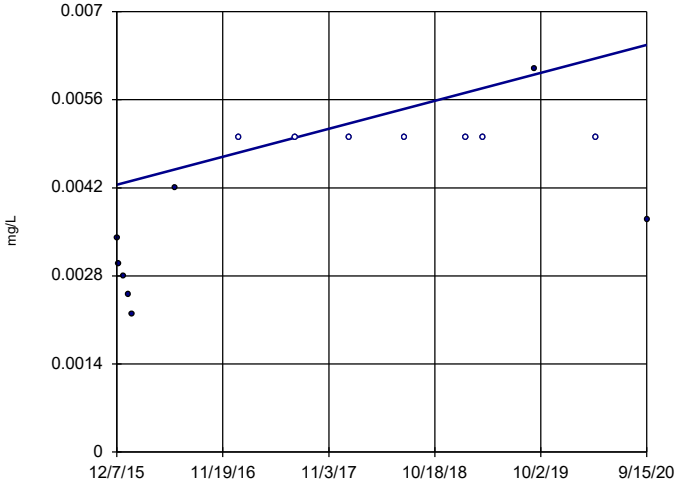
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-13 (bg)



n = 15

Slope = 0.0004656 units per year.

Mann-Kendall statistic = 44 critical = 53

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances

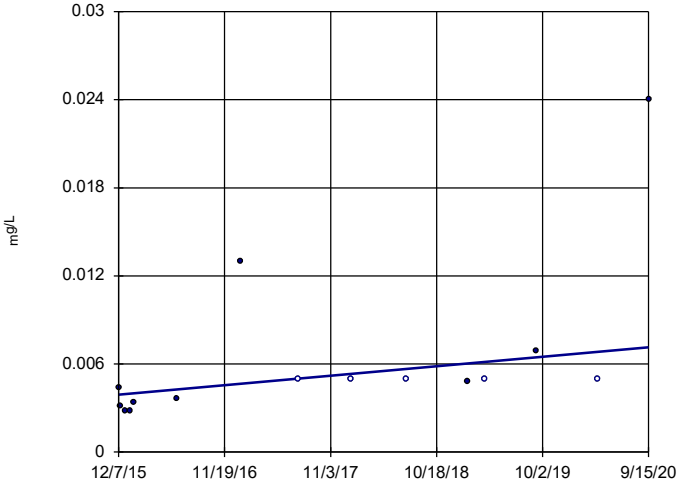
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-14 (bg)



n = 15

Slope = 0.000675 units per year.

Mann-Kendall statistic = 58 critical = 53

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

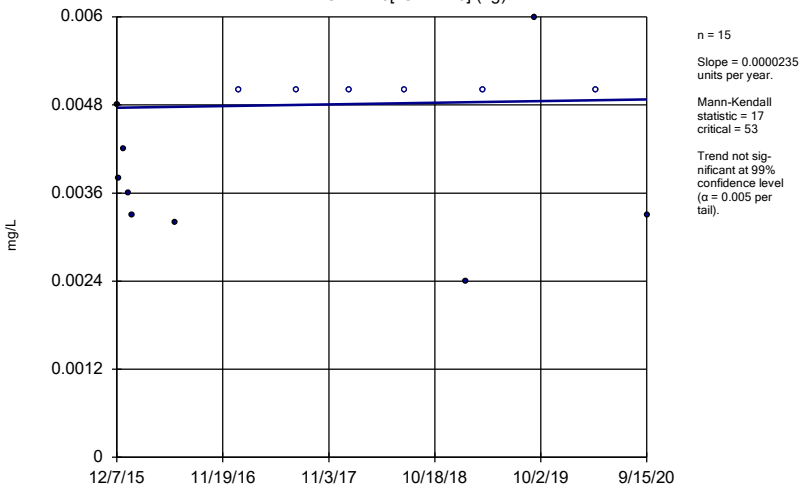
Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-16[*GWB-16] (bg)



n = 15

Slope = 0.0000235 units per year.

Mann-Kendall statistic = 17
critical = 53

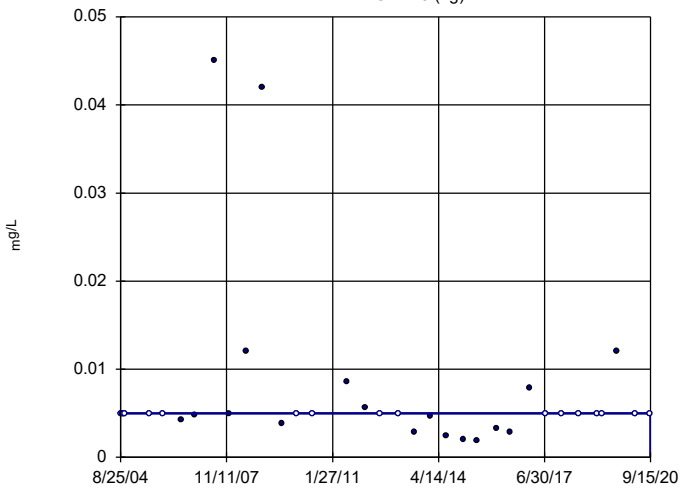
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 35

Slope = 0 units per year.

Mann-Kendall statistic = -46
critical = -184

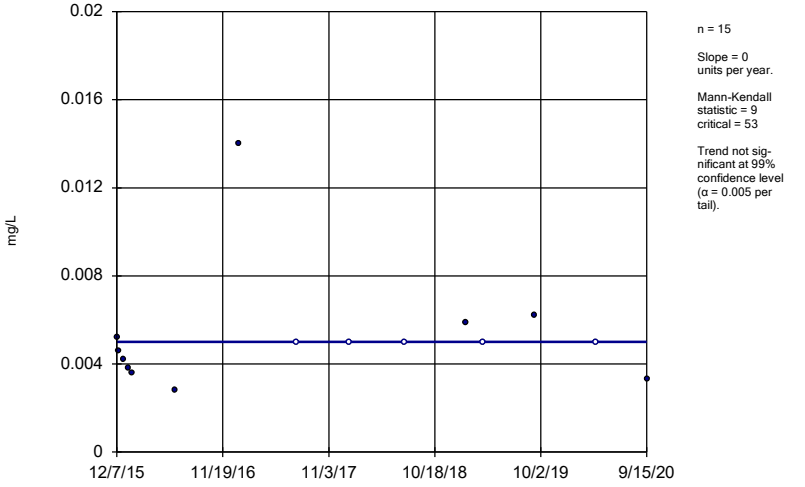
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-15[*GWB-15] (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 53

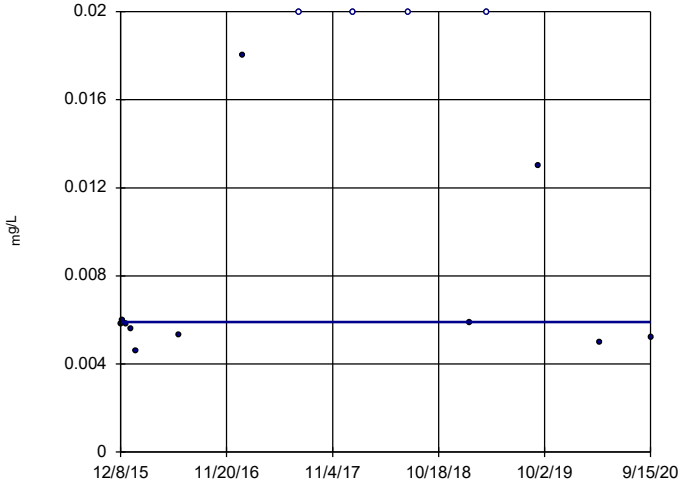
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-17 (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 53

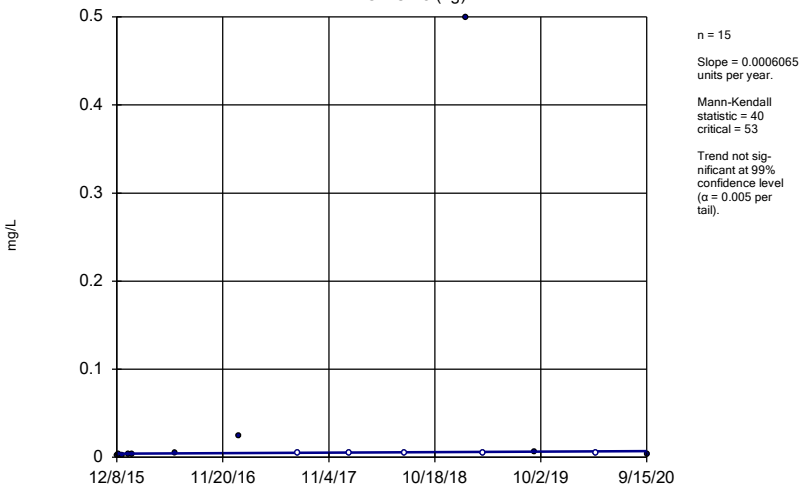
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-18 (bg)



n = 15

Slope = 0.0006065 units per year.

Mann-Kendall statistic = 40
critical = 53

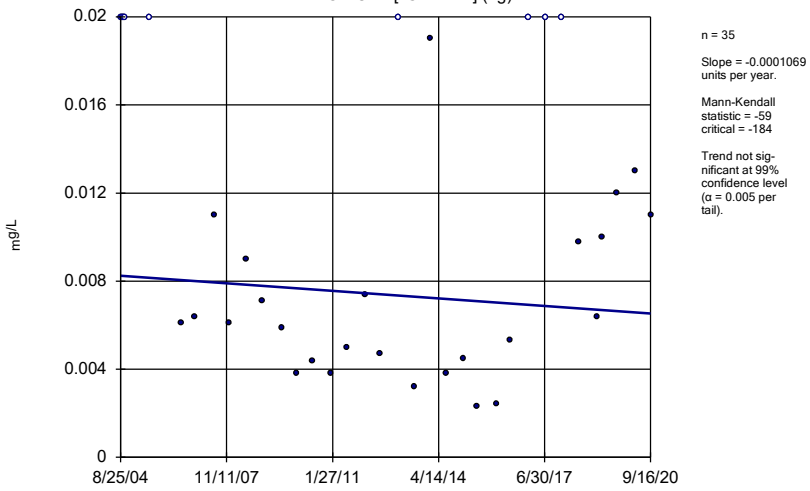
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-4A[*GWB-4A] (bg)



n = 35

Slope = -0.0001069 units per year.

Mann-Kendall statistic = -59
critical = -184

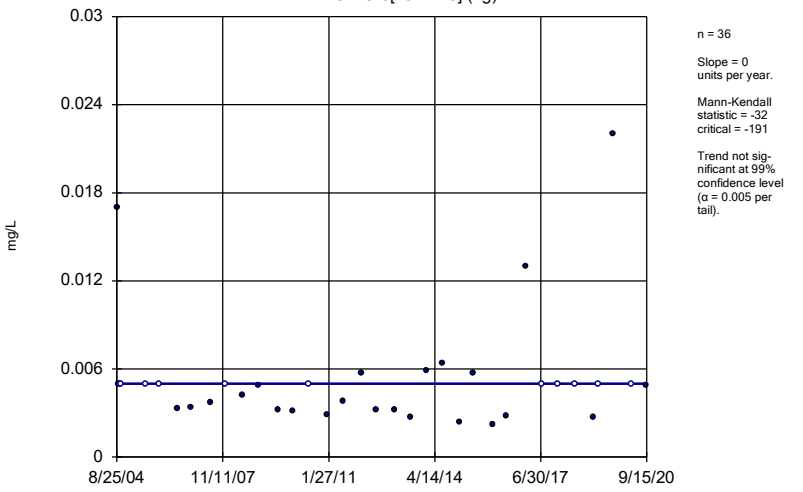
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-5[*GWB-5] (bg)



n = 36

Slope = 0 units per year.

Mann-Kendall statistic = -32
critical = -191

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 12/4/2020 3:53 PM View: EPD Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

FIGURE G.

Intrawell Prediction Limit Summary - All Results (No Significant)

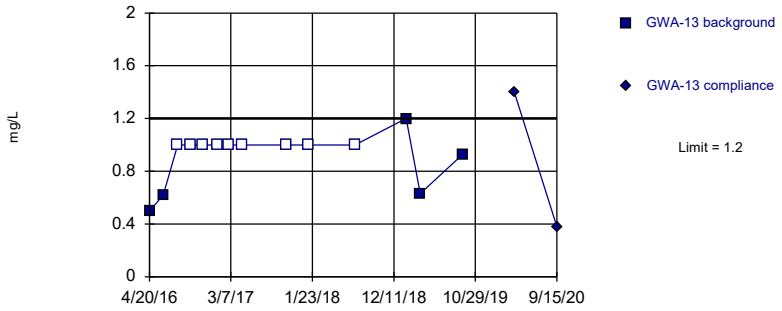
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:42 AM

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	1.2	n/a	9/15/2020	0.38J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-14	6.271	n/a	9/15/2020	1.1	No	14	1.129	0.2915	21.43	Kapla...	x^(1/3)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-16[*GWB-16]	1	n/a	9/15/2020	0.44J	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWA-2	1.685	n/a	9/15/2020	1ND	No	14	-0.1075	0.2566	50	Kapla...	ln(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	1.244	n/a	9/15/2020	0.47J	No	14	0.8887	0.1448	42.86	Kapla...	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-1	2.516	n/a	9/15/2020	1.6	No	14	1.462	0.4296	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	6.13	n/a	9/15/2020	3.6	No	14	3.559	1.048	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-11	6.226	n/a	9/15/2020	5	No	14	4.562	0.6784	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-12	1	n/a	9/16/2020	0.53J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-15[*GWB-15]	1.2	n/a	9/15/2020	0.44J	No	14	n/a	n/a	64.29	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-17	2.718	n/a	9/15/2020	1ND	No	14	1.068	0.2368	35.71	Kapla...	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	5.927	n/a	9/15/2020	2.7	No	14	4.774	0.4701	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	3.003	n/a	9/16/2020	1.6	No	14	1.936	0.4348	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	5.519	n/a	9/15/2020	0.67J	No	14	1.362	0.4024	0	None	sqrt(x)	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	1.925	n/a	9/15/2020	0.56J	No	14	1.103	0.3353	14.29	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	9.2	n/a	9/15/2020	1.9	No	14	n/a	n/a	0	n/a	n/a	0.008612	NP Intra (normality) ...
Sulfate (mg/L)	GWC-4A[*GWB-4A]	14.53	n/a	9/16/2020	4.1	No	14	7.479	2.873	0	None	No	0.0008358	Param Intra 1 of 2
Sulfate (mg/L)	GWC-5[*GWB-5]	5	n/a	9/15/2020	5ND	No	14	n/a	n/a	71.43	n/a	n/a	0.008612	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	GWC-9	4.571	n/a	9/16/2020	1ND	No	14	1.088	0.2332	28.57	Kapla...	x^(1/3)	0.0008358	Param Intra 1 of 2

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



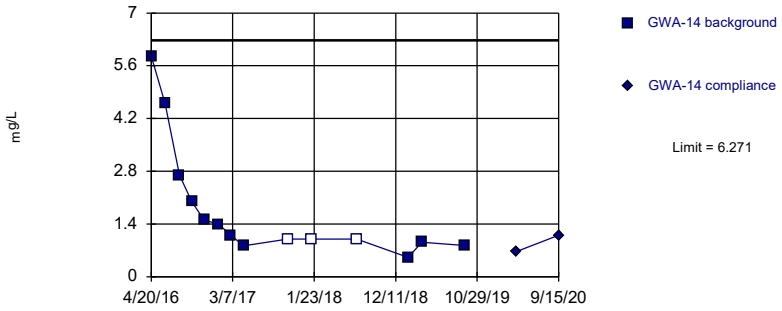
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



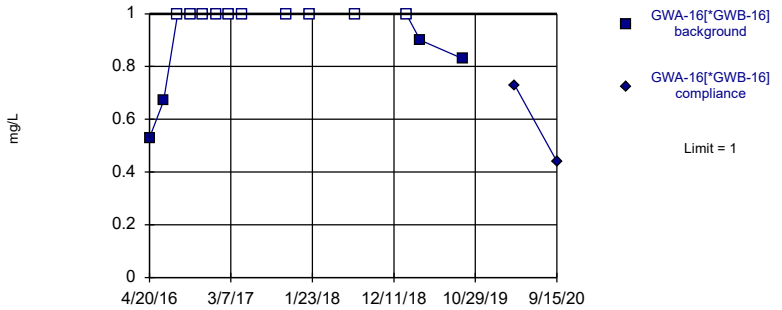
Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.129, Std. Dev.=0.2915, n=14, 21.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8437, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



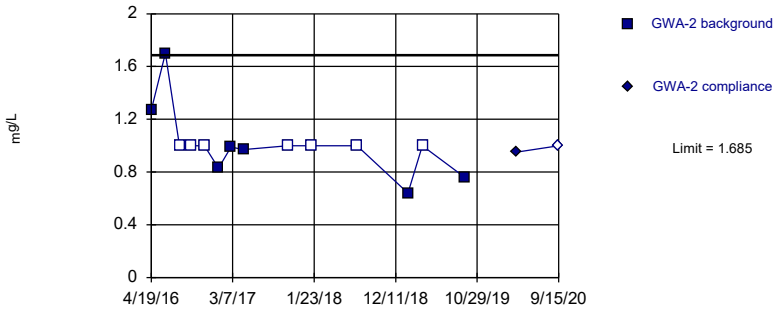
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-0.1075, Std. Dev.=0.2566, n=14, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8375, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-16[*GWB-16]	GWA-16[*GWB-16]
4/20/2016	0.53 (J)	
6/15/2016	0.67 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/11/2017	<1	
3/1/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/11/2018	<1	
7/11/2018	<1	
1/29/2019	<1	
3/26/2019	0.9	
9/10/2019	0.83 (J)	
4/1/2020		0.73 (J)
9/15/2020		0.44 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

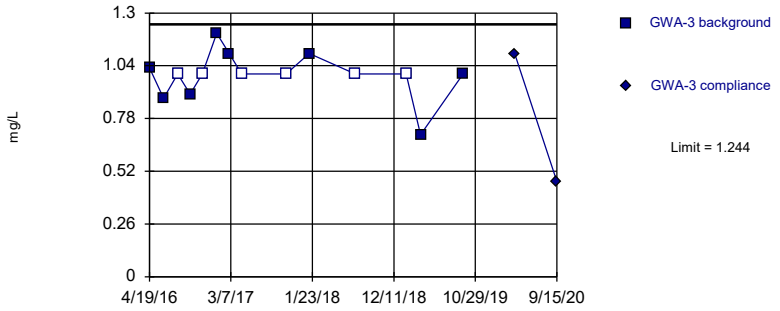
	GWA-2	GWA-2
4/19/2016	1.27	
6/14/2016	1.7	
8/9/2016	<1	
9/26/2016	<1	
11/15/2016	<1	
1/10/2017	0.83 (J)	
2/28/2017	0.99 (J)	
4/19/2017	0.97 (J)	
10/10/2017	<1	
1/10/2018	<1	
7/11/2018	<1	
1/29/2019	0.64 (J)	
3/27/2019	<1	
9/11/2019	0.76 (J)	
4/1/2020		0.95 (J)
9/15/2020		<1

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.8887, Std. Dev.=0.1448, n=14, 42.86% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8712, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII

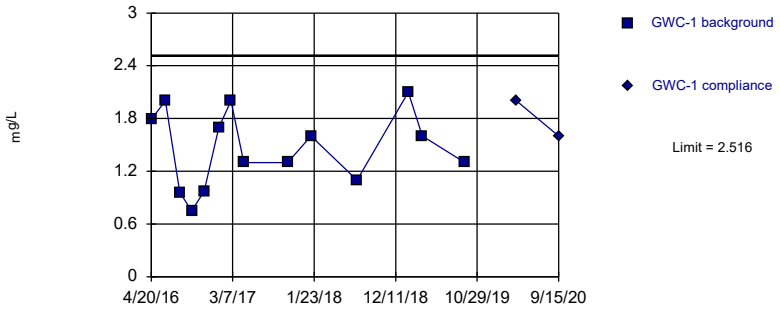
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.462, Std. Dev.=0.4296, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9508, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII

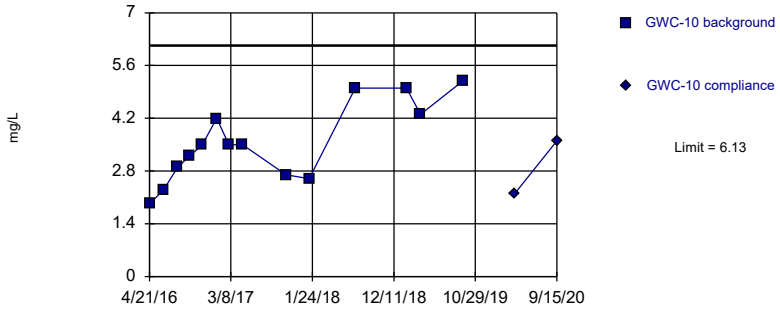
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=3.559, Std. Dev.=1.048, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9459, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII

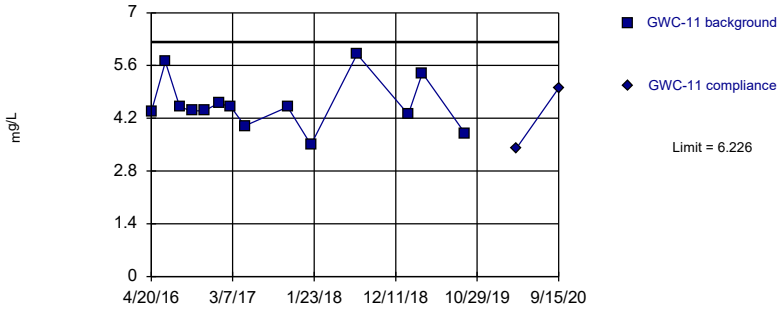
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.562, Std. Dev.=0.6784, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8957, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

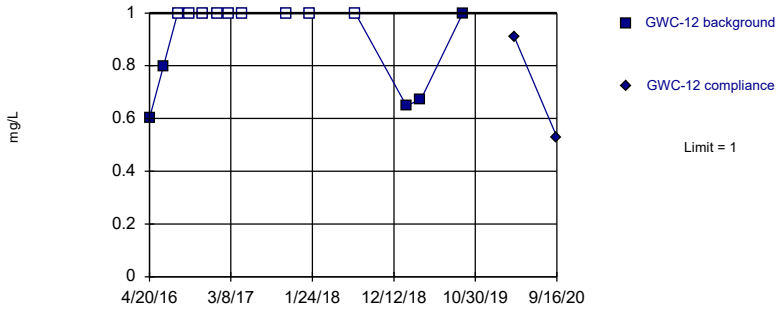
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	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

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



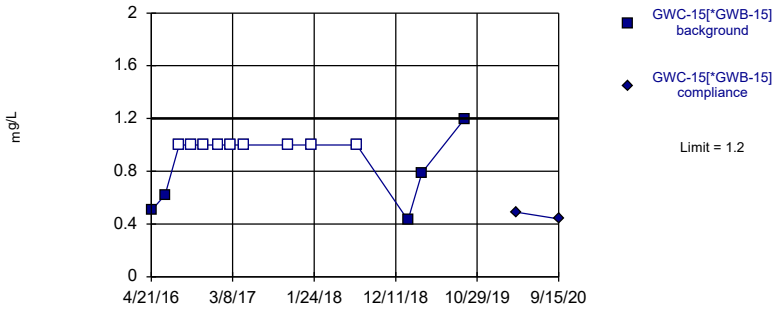
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



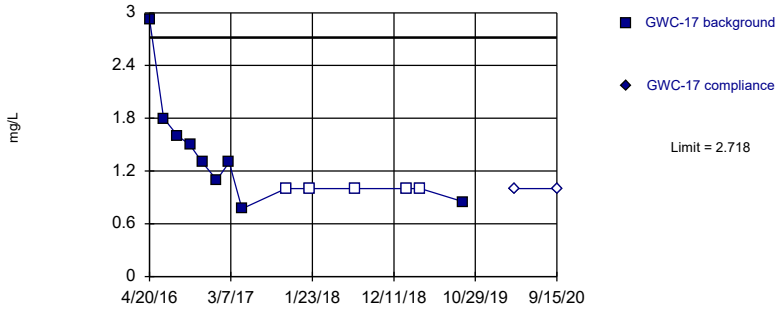
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



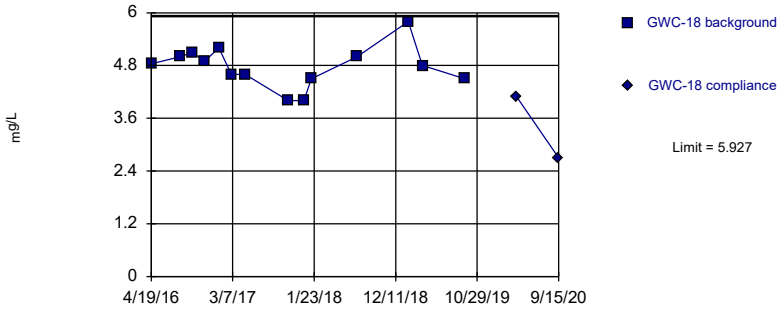
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=1.068, Std. Dev.=0.2368, n=14, 35.71% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8343, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:40 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.774, Std. Dev.=0.4701, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9518, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:41 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-15[*GWB-15]	GWC-15[*GWB-15]
4/21/2016	0.503 (J)	
6/15/2016	0.62 (J)	
8/9/2016	<1	
9/27/2016	<1	
11/15/2016	<1	
1/11/2017	<1	
2/28/2017	<1	
4/20/2017	<1	
10/11/2017	<1	
1/11/2018	<1	
7/11/2018	<1	
1/29/2019	0.43 (J)	
3/26/2019	0.79	
9/11/2019	1.2	
4/1/2020		0.49 (J)
9/15/2020		0.44 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

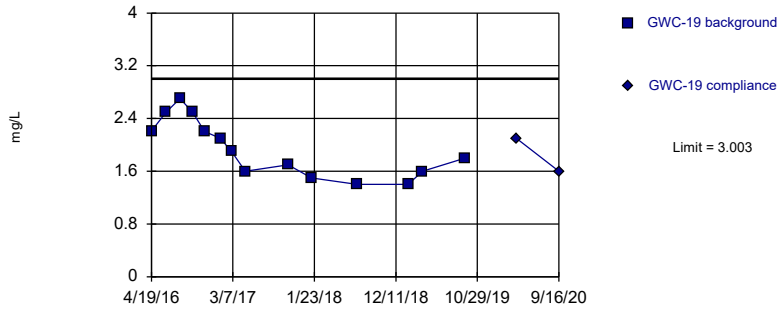
	GWC-18	GWC-18
4/19/2016	4.84	
6/16/2016	9 (O)	
8/11/2016	5	
9/28/2016	5.1	
11/16/2016	4.9	
1/11/2017	5.2	
3/1/2017	4.6	
4/25/2017	4.6	
10/12/2017	4	
12/13/2017	4	
1/12/2018	4.5	
7/11/2018	5	
1/30/2019	5.8	
3/27/2019	4.8	
9/11/2019	4.5	
4/1/2020		4.1
9/15/2020		2.7

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.936, Std. Dev.=0.4348, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9271, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:41 AM View: AIII

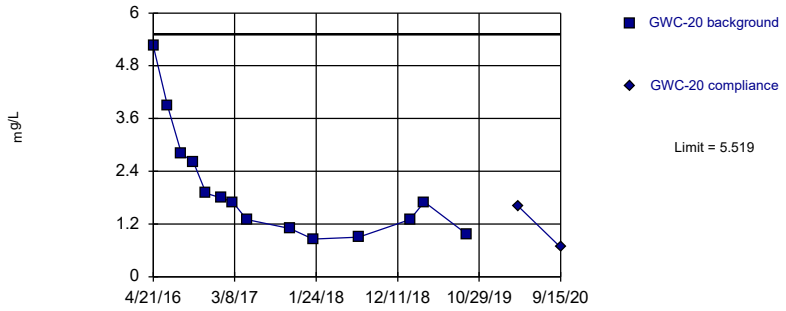
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.362, Std. Dev.=0.4024, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8941, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:41 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

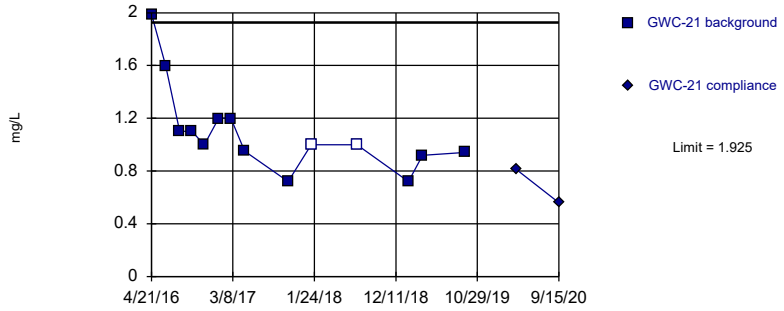
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.103, Std. Dev.=0.3353, n=14, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8287, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:41 AM View: AIII

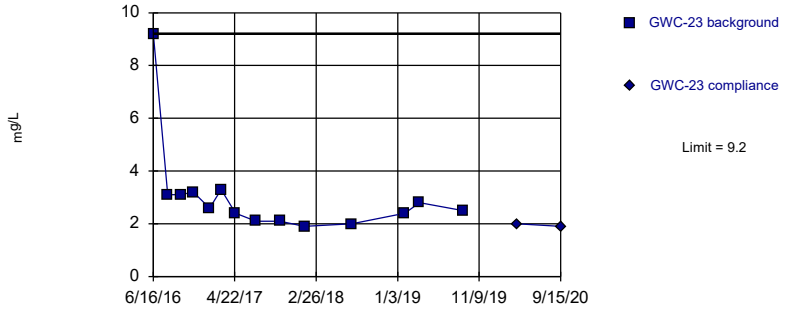
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . 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 14 background values. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 11/18/2020 9:41 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23	GWC-23
6/16/2016	9.2	
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

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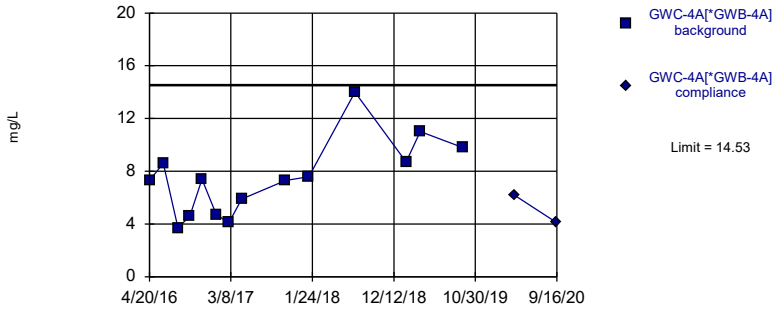
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.479, Std. Dev.=2.873, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9422, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:41 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

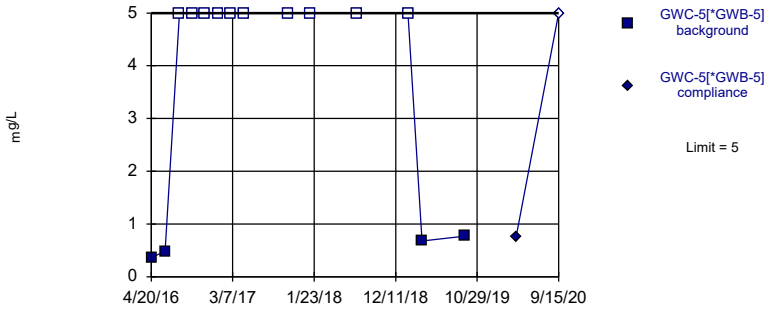
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Sulfate Analysis Run 11/18/2020 9:41 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

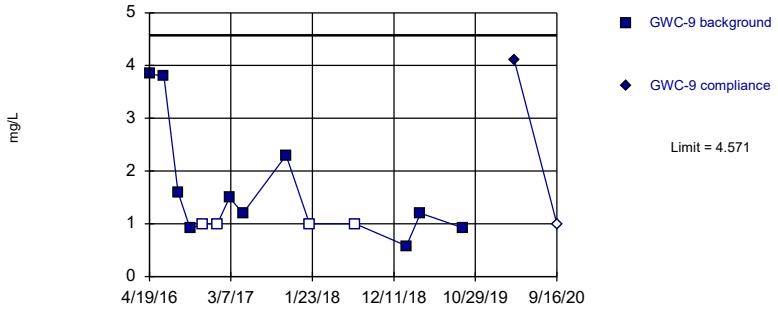
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.088, Std. Dev.=0.2332, n=14, 28.57% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.829, critical = 0.825. Kappa = 2.453 (c=7, w=9, 1 of 2, event alpha = 0.05132). Report alpha = 0.0008358.

Constituent: Sulfate Analysis Run 11/18/2020 9:41 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4A]	GWC-4A[*GWB-4A]
4/20/2016	7.31	
6/14/2016	8.6	
8/11/2016	3.7	
9/27/2016	4.6	
11/14/2016	7.4	
1/10/2017	4.7	
2/28/2017	4.1	
4/20/2017	5.9	
10/10/2017	7.3	
1/10/2018	7.6	
7/11/2018	14	
1/29/2019	8.7	
3/26/2019	11	
9/10/2019	9.8	
3/31/2020		6.2
9/16/2020		4.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-5[*GWB-5]	GWC-5[*GWB-5]
4/20/2016	0.367 (J)	
6/14/2016	0.48 (J)	
8/9/2016	<5	
9/27/2016	<5	
11/15/2016	<5	
1/11/2017	<5	
2/28/2017	<5	
4/20/2017	<5	
10/11/2017	<5	
1/10/2018	<5	
7/11/2018	<5	
1/29/2019	<5	
3/26/2019	0.68	
9/10/2019	0.77 (J)	
3/31/2020		0.76 (J)
9/15/2020		<5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/18/2020 9:42 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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

FIGURE H.

Interwell Prediction Limit Summary - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	**GWC-10**	**26**	**n/a**	**9/15/2020**	**27**	**Yes**	**157**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007989**	**NP Inter (normality) ...**
Total Dissolved Solids (mg/L)	**GWC-10**	**83.72**	**n/a**	**9/15/2020**	**140**	**Yes**	**160**	**2.805**	**0.8185**	**12.5**	**None**	**x^(1/3)**	**0.0008358**	**Param Inter 1 of 2**

Interwell Prediction Limit Summary - All Results

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR Printed 11/18/2020, 9:48 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-1	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-10	0.08	n/a	9/15/2020	0.062J	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.08	n/a	9/16/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.08	n/a	9/16/2020	0.046J	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.08	n/a	9/15/2020	0.08ND	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.08	n/a	9/16/2020	0.042J	No	160	n/a	n/a	89.38	n/a	n/a	0.00007644	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-1	26	n/a	9/15/2020	1.3	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	**GWC-10**	**26**	**n/a**	**9/15/2020**	**27**	**Yes**	**157**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00007989**	**NP Inter (normality) ...**
Calcium (mg/L)	GWC-11	26	n/a	9/15/2020	13	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-12	26	n/a	9/16/2020	0.64	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-19	26	n/a	9/16/2020	7.6	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-20	26	n/a	9/15/2020	1.5	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-21	26	n/a	9/15/2020	1.1	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-23	26	n/a	9/15/2020	1.3	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Calcium (mg/L)	GWC-9	26	n/a	9/16/2020	0.45J	No	157	n/a	n/a	0	n/a	n/a	0.00007989	NP Inter (normality) ...
Chloride (mg/L)	GWC-1	18	n/a	9/15/2020	6.1	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-10	18	n/a	9/15/2020	6.2	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-11	18	n/a	9/15/2020	4.1	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-12	18	n/a	9/16/2020	3.5	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-19	18	n/a	9/16/2020	6.5	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-20	18	n/a	9/15/2020	8.7	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-21	18	n/a	9/15/2020	6.5	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-23	18	n/a	9/15/2020	5	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Chloride (mg/L)	GWC-9	18	n/a	9/16/2020	8.6	No	160	n/a	n/a	0	n/a	n/a	0.00007644	NP Inter (normality) ...
Fluoride (mg/L)	GWC-1	0.74	n/a	9/15/2020	0.1ND	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-10	0.74	n/a	9/15/2020	0.11	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-11	0.74	n/a	9/15/2020	0.21	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-12	0.74	n/a	9/16/2020	0.1ND	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19	0.74	n/a	9/16/2020	0.076J	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20	0.74	n/a	9/15/2020	0.032J	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21	0.74	n/a	9/15/2020	0.1ND	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23	0.74	n/a	9/15/2020	0.028J	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-9	0.74	n/a	9/16/2020	0.1ND	No	161	n/a	n/a	65.22	n/a	n/a	0.00007564	NP Inter (NDs) 1 of 2
pH (S.U.)	GWC-1	7.1	4.21	9/15/2020	4.76	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-10	7.1	4.21	9/15/2020	6.66	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-11	7.1	4.21	9/15/2020	6.62	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-12	7.1	4.21	9/16/2020	4.91	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-19	7.1	4.21	9/16/2020	5.43	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-20	7.1	4.21	9/15/2020	4.96	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-21	7.1	4.21	9/15/2020	4.86	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-23	7.1	4.21	9/15/2020	5.18	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
pH (S.U.)	GWC-9	7.1	4.21	9/16/2020	4.74	No	180	n/a	n/a	0	n/a	n/a	0.0001211	NP Inter (normality) ...
Total Dissolved Solids (mg/L)	GWC-1	83.72	n/a	9/15/2020	25	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	**GWC-10**	**83.72**	**n/a**	**9/15/2020**	**140**	**Yes**	**160**	**2.805**	**0.8185**	**12.5**	**None**	**x^(1/3)**	**0.0008358**	**Param Inter 1 of 2**
Total Dissolved Solids (mg/L)	GWC-11	83.72	n/a	9/15/2020	82	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-12	83.72	n/a	9/16/2020	17	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	83.72	n/a	9/16/2020	60	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	83.72	n/a	9/15/2020	34	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	83.72	n/a	9/15/2020	24	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	83.72	n/a	9/15/2020	27	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	83.72	n/a	9/16/2020	5ND	No	160	2.805	0.8185	12.5	None	x^(1/3)	0.0008358	Param Inter 1 of 2

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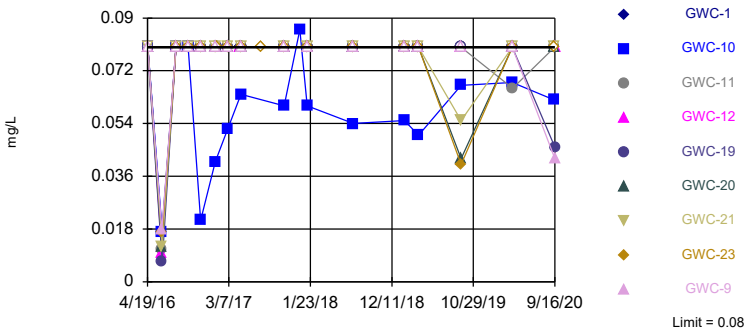
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Interwell Non-parametric



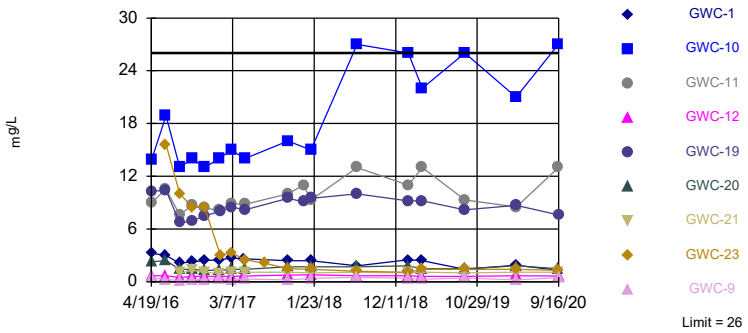
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 160 background values. 89.38% NDs. Annual per-constituent alpha = 0.001375. Individual comparison alpha = 0.00007644 (1 of 2). Comparing 9 points to limit.

Constituent: Boron Analysis Run 11/18/2020 9:46 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Exceeds Limit: GWC-10

Prediction Limit

Interwell Non-parametric



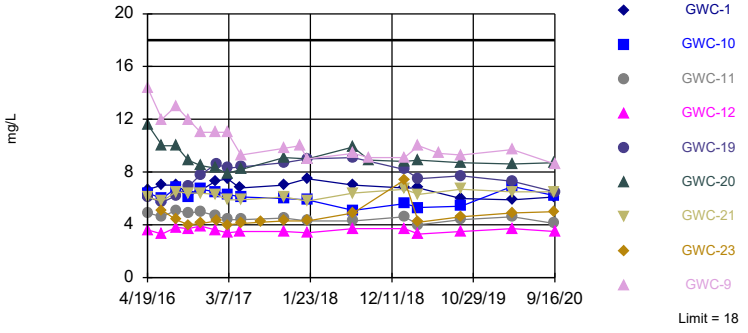
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 157 background values. Annual per-constituent alpha = 0.001437. Individual comparison alpha = 0.00007989 (1 of 2). Comparing 9 points to limit.

Constituent: Calcium Analysis Run 11/18/2020 9:46 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . UG
Within Limit

Prediction Limit

Interwell Non-parametric



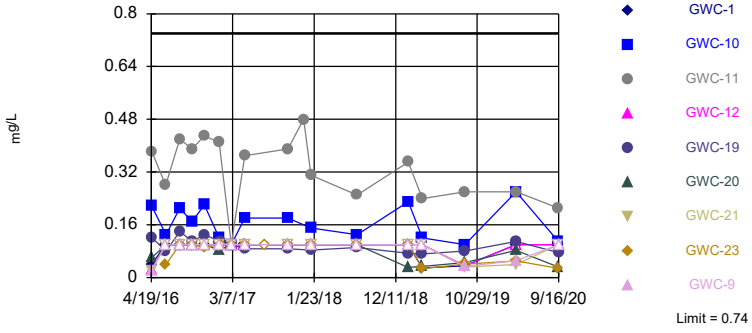
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 160 background values. Annual per-constituent alpha = 0.001375. Individual comparison alpha = 0.00007644 (1 of 2). Comparing 9 points to limit.

Constituent: Chloride Analysis Run 11/18/2020 9:46 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Sanitas™ v.9.6.27 . 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 161 background values. 65.22% NDs. Annual per-constituent alpha = 0.001361. Individual comparison alpha = 0.00007564 (1 of 2). Comparing 9 points to limit.

Constituent: Fluoride Analysis Run 11/18/2020 9:46 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWA-13 (bg)	GWA-16[*GWB-1...	GWC-4A[*GWB-4...	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)	0.0086 (J)		0.01 (J)	0.0098 (J)
6/15/2016	0.018 (J)						0.0085 (J)		
6/16/2016		0.011 (J)		0.0069 (J)					
8/9/2016			<0.08		<0.08	<0.08	<0.08		<0.08
8/10/2016	<0.08			<0.08					
8/11/2016		<0.08						<0.08	
9/26/2016			<0.08						
9/27/2016	<0.08				<0.08	<0.08	<0.08	<0.08	<0.08
9/28/2016		<0.08		<0.08					
11/14/2016					<0.08			<0.08	
11/15/2016	<0.08		<0.08	<0.08		<0.08	<0.08		<0.08
11/16/2016		<0.08							
1/10/2017			<0.08		<0.08			<0.08	
1/11/2017		<0.08					<0.08		<0.08
1/12/2017						<0.08			
1/13/2017	<0.08								
1/16/2017				<0.08					
1/17/2017									
2/28/2017			0.022 (J)		<0.08	<0.08		<0.08	<0.08
3/1/2017	<0.08	<0.08		<0.08			<0.08		
3/2/2017									
4/19/2017			<0.08		<0.08				
4/20/2017						<0.08	<0.08	<0.08	<0.08
4/24/2017	<0.08								
4/25/2017		<0.08		<0.08					
7/13/2017									
10/10/2017			<0.08					<0.08	
10/11/2017					<0.08	<0.08	<0.08		<0.08
10/12/2017	<0.08	<0.08		<0.08					
12/12/2017									
1/10/2018			<0.08		<0.08	<0.08		<0.08	
1/11/2018							<0.08		<0.08
1/12/2018	<0.08	<0.08		<0.08					
7/11/2018		<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
7/12/2018	<0.08								
1/29/2019			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
1/30/2019	<0.08	<0.08							
3/26/2019						<0.08	<0.08	<0.08	<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08	<0.08				
9/10/2019						0.061 (J)	<0.08	0.052 (J)	<0.08
9/11/2019	<0.08	<0.08	<0.08	<0.08	<0.08				
3/31/2020						<0.08		<0.08	
4/1/2020	<0.08	<0.08	0.042 (J)	<0.08	<0.08		<0.08		<0.08
4/2/2020									
9/15/2020		<0.08	<0.08		0.061 (J)	<0.08	<0.08		<0.08
9/16/2020	0.042 (J)			0.046 (J)				0.056 (J)	

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-11	GWC-17 (bg)	GWC-12	GWC-5[*GWB-5]...	GWC-21	GWC-10	GWC-20	GWC-15[*GWB-1...
4/19/2016									
4/20/2016	<0.08	<0.08	<0.08	<0.08	<0.08				
4/21/2016						<0.08	<0.08	<0.08	<0.08
6/14/2016					0.011 (J)				
6/15/2016	0.017 (J)	0.011 (J)	0.0095 (J)	0.01 (J)					0.0095 (J)
6/16/2016						0.012 (J)	0.017 (J)	0.012 (J)	
8/9/2016			<0.08		<0.08				<0.08
8/10/2016	<0.08	<0.08		<0.08		<0.08	<0.08	<0.08	
8/11/2016									
9/26/2016									
9/27/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
9/28/2016									
11/14/2016									
11/15/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.021 (J)	<0.08	<0.08
11/16/2016									
1/10/2017									
1/11/2017			<0.08		<0.08				<0.08
1/12/2017	<0.08	<0.08		<0.08		<0.08	0.041 (J)		
1/13/2017								<0.08	
1/16/2017									
1/17/2017									
2/28/2017					<0.08				<0.08
3/1/2017	<0.08	<0.08	<0.08	<0.08		<0.08	0.052	<0.08	
3/2/2017									
4/19/2017									
4/20/2017	<0.08		<0.08	<0.08	<0.08				<0.08
4/24/2017		<0.08				<0.08	0.064		
4/25/2017								<0.08	
7/13/2017									
10/10/2017									
10/11/2017	<0.08	<0.08	<0.08		<0.08				<0.08
10/12/2017				<0.08		<0.08	0.06	<0.08	
12/12/2017							0.086		
1/10/2018					<0.08				
1/11/2018	<0.08	<0.08	<0.08	<0.08		<0.08	0.06		<0.08
1/12/2018								<0.08	
7/11/2018			<0.08		<0.08	<0.08		<0.08	<0.08
7/12/2018	<0.08	<0.08		<0.08			0.054		
1/29/2019			<0.08		<0.08			<0.08	<0.08
1/30/2019	<0.08	<0.08		<0.08		<0.08	0.055		
3/26/2019					<0.08				<0.08
3/27/2019	<0.08	<0.08	<0.08	<0.08		<0.08	0.05	<0.08	
9/10/2019					<0.08				
9/11/2019	<0.08	<0.08	<0.08	<0.08		0.055 (J)	0.067 (J)	0.042 (J)	<0.08
3/31/2020					<0.08				
4/1/2020	<0.08		<0.08	<0.08		<0.08	0.068 (J)	<0.08	<0.08
4/2/2020		0.066 (J)							
9/15/2020	<0.08	<0.08	<0.08		0.047 (J)	<0.08	0.062 (J)	<0.08	<0.08
9/16/2020				<0.08					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-3 (bg)	GWC-19	GWC-18 (bg)	GWA-2 (bg)	GWC-9	GWA-13 (bg)	GWC-5[*GWB-5]...	GWC-12	GWC-4A[*GWB-4...
4/19/2016	1.13	10.3	26	0.485 (J)	0.431 (J)				
4/20/2016						0.389 (J)	4.39	0.69	1.12
4/21/2016									
6/14/2016	1			0.72		0.37 (J)	2.4		1.1
6/15/2016					0.27 (J)			0.69	
6/16/2016		10.4	33.2 (o)						
8/9/2016	0.71			0.24 (J)		0.14 (J)	2		
8/10/2016		6.7			0.13 (J)			0.45	
8/11/2016			18						1.9
9/26/2016				0.48					
9/27/2016	0.77				0.21 (J)	0.33	2.9	0.61	3.4
9/28/2016		6.9	17						
11/14/2016	0.75								3.1
11/15/2016		7.5		0.54	0.27	0.28	2.5	0.61	
11/16/2016			17						
1/10/2017	0.73			0.62					1.5
1/11/2017			15				2.5		
1/12/2017						0.37		0.6	
1/13/2017					0.41				
1/16/2017		8							
1/17/2017									
2/28/2017	0.76			0.91		0.26	2.7		1.1
3/1/2017		8.5	16		0.25			0.61	
3/2/2017									
4/19/2017	0.69			0.75					
4/20/2017						0.27	2.8	0.65	0.98
4/24/2017					0.34				
4/25/2017		8.2	17						
7/13/2017									
10/10/2017				0.54					0.8
10/11/2017	0.73					0.3	3.3		
10/12/2017		9.5	14		0.21 (J)			0.76	
12/12/2017		9.1							
12/13/2017			12						
1/10/2018	0.88			0.52		0.27	3.3		0.82
1/11/2018								0.78	
1/12/2018		9.5	15		0.4				
7/11/2018	0.81	10	12	0.5		0.32	3		1
7/12/2018					0.49			0.67	
1/29/2019	0.85	9.2		0.53		0.33	3.3		0.83
1/30/2019			14		0.38 (J)			0.68 (J)	
3/26/2019						0.3	2.8		0.53
3/27/2019	0.73	9.2	11	0.37	0.28			0.62	
9/10/2019						0.37 (J)	2.3		0.64
9/11/2019	0.76	8.2	13	0.43 (J)	0.44 (J)			0.62	
3/31/2020						0.42 (J)	2.9		0.8
4/1/2020	0.72	8.7	11	0.47 (J)	0.2 (J)			0.7	
4/2/2020									
9/15/2020	0.84		10	0.42 (J)		0.32 (J)	2.2		
9/16/2020		7.6			0.45 (J)			0.64	0.43 (J)

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-11	GWC-1	GWA-16[*GWB-1...	GWC-20	GWC-10	GWC-15[*GWB-1...	GWA-14 (bg)	GWC-17 (bg)	GWC-23
4/19/2016									
4/20/2016	8.94	3.22	0.472 (J)				0.686 (o)	2.48 (o)	
4/21/2016				2.29	13.9	0.686			
6/14/2016							0.62		
6/15/2016	10.6	3	0.42 (J)			0.61		2.2	
6/16/2016				2.4	18.9				15.6
8/9/2016			0.19 (o)			0.21 (J)	0.39	1.8	
8/10/2016	7.6	2.1		1.4	13				10
8/11/2016									
9/26/2016									
9/27/2016	8.7	2.3	0.39	1.4	14	0.4	0.52	1.9	
9/28/2016									8.5
11/14/2016									
11/15/2016	8.4	2.4	0.39	1.3	13	0.35	0.5	2.1	
11/16/2016									8.4
1/10/2017									
1/11/2017			0.36			0.34	0.47	2	
1/12/2017	8.1	2.5			14				
1/13/2017				1.3					
1/16/2017									
1/17/2017									3
2/28/2017						0.37	0.47		
3/1/2017	8.9	2.7	0.38	1.4	15			2.1	
3/2/2017									3.3
4/19/2017									
4/20/2017		2.6	0.41			0.43	0.5	2	
4/24/2017	8.8				14				
4/25/2017				1.4					2.5
7/13/2017									2.1
10/10/2017									
10/11/2017	10	2.4	0.4			0.41	0.49	2.1	
10/12/2017				1.7	16				1.5
12/12/2017					23 (O)				
12/13/2017	11								
1/10/2018									
1/11/2018	9.3	2.4	0.43		15	0.41	0.51	2.1	
1/12/2018				1.7					1.4
7/11/2018			0.45	1.7		0.53	0.47	2.1	
7/12/2018	13	1.8			27				1.2
1/29/2019			0.41	1.8		0.91	0.51	2.2	
1/30/2019	11	2.5			26				1.1 (J)
3/26/2019			0.37			0.58	0.42		
3/27/2019	13	2.4		1.5	22			2	1.4
9/10/2019			0.41 (J)				0.47 (J)		
9/11/2019	9.3	1.4		1.5	26	0.42 (J)		2	1.4
3/31/2020									
4/1/2020		1.9	0.43 (J)	1.8	21	2.3	0.49 (J)	2.1	1.4
4/2/2020	8.5								
9/15/2020	13	1.3	0.42 (J)	1.5	27	0.38 (J)	0.6	2	1.3
9/16/2020									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-21
4/19/2016	
4/20/2016	
4/21/2016	2.78 (o)
6/14/2016	
6/15/2016	
6/16/2016	2.9 (o)
8/9/2016	
8/10/2016	0.99
8/11/2016	
9/26/2016	
9/27/2016	1.3
9/28/2016	
11/14/2016	
11/15/2016	1.1
11/16/2016	
1/10/2017	
1/11/2017	
1/12/2017	0.93
1/13/2017	
1/16/2017	
1/17/2017	
2/28/2017	
3/1/2017	1
3/2/2017	
4/19/2017	
4/20/2017	
4/24/2017	1.1
4/25/2017	
7/13/2017	
10/10/2017	
10/11/2017	
10/12/2017	1.1
12/12/2017	
12/13/2017	
1/10/2018	
1/11/2018	1
1/12/2018	
7/11/2018	1.1
7/12/2018	
1/29/2019	
1/30/2019	1 (J)
3/26/2019	
3/27/2019	1.1
9/10/2019	
9/11/2019	1
3/31/2020	
4/1/2020	1.1
4/2/2020	
9/15/2020	1.1
9/16/2020	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWC-9	GWC-1	GWC-5[*GWB-5]...	GWA-14 (bg)	GWC-11
4/19/2016	5.03	5.01	6.1	9.4	14.4				
4/20/2016						6.68	3.69	4.55	4.9
4/21/2016									
6/14/2016		5		8.3			3.5	4.3	
6/15/2016					12	7			4.6
6/16/2016	4.7		5.7						
8/9/2016		5.1		8.6			3.7	4.5	
8/10/2016			6.2		13	7			5.1
8/11/2016	5.3								
9/26/2016		5.1							
9/27/2016				6.3	12	6.4	3.6	4.4	4.9
9/28/2016	5.1		6.9						
11/14/2016				6.1					
11/15/2016		5.2	7.8		11	6.6	3.7	4.5	5
11/16/2016	5.2								
1/10/2017		4.9		6.1					
1/11/2017	5						3.5	4.3	
1/12/2017						7.3			4.7
1/13/2017					11				
1/16/2017			8.6						
1/17/2017									
2/28/2017		4.7		6.2			3.3	4	
3/1/2017	4.6		8.3		11	7.5			4.4
3/2/2017									
4/19/2017		4.4		5					
4/20/2017						6.8	3.3	4	
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		7	3.2	4	4.5
10/12/2017	4.6		8.7		9.8				
12/12/2017					10				
1/10/2018		4.6		4.2			3.2		
1/11/2018						7.5		3.9	4.3
1/12/2018	4.5		9		9				
7/11/2018	4.9	5	9.1	4.3			3.5	4.2	
7/12/2018					9.4	7			4.3
9/13/2018					9.1				
1/29/2019		5	8.2	4			3.6	4	
1/30/2019	4.8				9.1	6.8			4.6
3/26/2019							3.6	4.1	
3/27/2019	4.3	4.5	7.5	3.5	10	6.8			4
6/17/2019					9.4				
9/10/2019							3.5	4	
9/11/2019	4.5	4.8	7.7	3.5	9.3	6			4.4
3/31/2020							4.1		
4/1/2020	4.7	4.9	7.3	3.7	9.7	5.9		4.2	
4/2/2020									4.6
9/15/2020	4.4	4.9		3.4		6.1	18	4.3	4.1
9/16/2020			6.5		8.6				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-4A[*GWB-4...	GWC-12	GWA-13 (bg)	GWC-17 (bg)	GWA-16[*GWB-1...	GWC-21	GWC-20	GWC-15[*GWB-1...	GWC-10
4/19/2016									
4/20/2016	2.93	3.61	3.49	4.25	3.92				
4/21/2016						6.08	11.6	3.99	6.41
6/14/2016	2.9		3.4						
6/15/2016		3.3		4.1	3.8			3.5	
6/16/2016						5.8	10		6
8/9/2016			3.7	4.5	4			4	
8/10/2016		3.8				6.5	10		6.8
8/11/2016	3.6								
9/26/2016									
9/27/2016	3.4	3.7	3.8	4.4	3.9	6.4	8.9	3.9	6.1
9/28/2016									
11/14/2016	4.2								
11/15/2016		3.9	3.8	4.5	4	6.4	8.5	4	6.7
11/16/2016									
1/10/2017	3.6								
1/11/2017				4.2	3.7			3.8	
1/12/2017		3.6	3.5			6.3			6.5
1/13/2017							8.3		
1/16/2017									
1/17/2017									
2/28/2017	3.3		3.6					3.5	
3/1/2017		3.4		3.9	3.5	5.9	7.9		6.3
3/2/2017									
4/19/2017									
4/20/2017	3.5	3.5	3.4	4	3.6			3.3	
4/24/2017						5.9			6.1
4/25/2017							8.2		
7/13/2017									
10/10/2017	3.9								
10/11/2017			3.4	4.1	3.5			3.5	
10/12/2017		3.5				6.1	9.1		6
12/12/2017									
1/10/2018	3.3		3.4						
1/11/2018		3.4		4.1	3.4	5.8		3.4	5.9
1/12/2018							9		
7/11/2018	3.2		3.4	4.4	3.7	6.4	9.9	3.8	
7/12/2018		3.7							5.1
9/13/2018							8.9		
1/29/2019	3.4		3.6	4.5	3.8		8.8	3.7	
1/30/2019		3.7				6.7			5.6
3/26/2019	3.7		3.5		3.6			3.8	
3/27/2019		3.3		4.1		6.3	8.9		5.3
6/17/2019									
9/10/2019	3.6		3.3		3.7				
9/11/2019		3.5		4.3		6.7	8.7	3.7	5.4
3/31/2020	4.9		3.7						
4/1/2020		3.7		4.6	3.8	6.5	8.6	3.8	6.9
4/2/2020									
9/15/2020			3.5	4.3	3.7	6.5	8.7	3.6	6.2
9/16/2020	3.5	3.5							

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-9	GWC-18 (bg)	GWA-2 (bg)	GWC-19	GWA-3 (bg)	GWA-13 (bg)	GWA-16[*GWB-1...	GWC-4A[*GWB-4...	GWA-14 (bg)
4/19/2016	0.02 (J)	0.706	0.03 (J)	0.122 (J)	0.022 (J)				
4/20/2016						0.018 (J)	0.022 (J)	0.028 (J)	0.021 (J)
4/21/2016									
6/14/2016			0.02 (J)		<0.1	<0.1		<0.1	<0.1
6/15/2016	<0.1						<0.1		
6/16/2016		0.56		0.08 (J)					
8/9/2016			<0.1		<0.1	<0.1	<0.1		<0.1
8/10/2016	<0.1			0.14 (J)					
8/11/2016		0.74						<0.1	
9/26/2016			<0.1						
9/27/2016	<0.1				<0.1	<0.1	<0.1	<0.1	<0.1
9/28/2016		0.7		0.11 (J)					
11/14/2016					<0.1			<0.1	
11/15/2016	<0.1		<0.1	0.13 (J)		<0.1	<0.1		<0.1
11/16/2016		0.71							
1/10/2017			<0.1		<0.1			<0.1	
1/11/2017		0.51					<0.1		<0.1
1/12/2017						<0.1			
1/13/2017	<0.1								
1/16/2017				0.11 (J)					
1/17/2017									
2/28/2017			<0.1		<0.1	<0.1		<0.1	<0.1
3/1/2017	<0.1	0.61		<0.1			<0.1		
3/2/2017									
4/19/2017			<0.1		<0.1				
4/20/2017						<0.1	<0.1	<0.1	<0.1
4/24/2017	<0.1								
4/25/2017		0.65		0.087 (J)					
7/13/2017									
10/10/2017			<0.1					<0.1	
10/11/2017					<0.1	<0.1	<0.1		<0.1
10/12/2017	<0.1	0.6		0.087 (J)					
12/13/2017		0.61							
1/10/2018			<0.1		<0.1	<0.1		<0.1	
1/11/2018							<0.1		<0.1
1/12/2018	<0.1	0.55		0.083 (J)					
7/11/2018		0.59	<0.1	0.091 (J)	<0.1	<0.1	<0.1	<0.1	<0.1
7/12/2018	<0.1								
1/29/2019			<0.1	0.074 (J)	<0.1	<0.1	<0.1	<0.1	<0.1
1/30/2019	<0.1	0.65							
3/26/2019						<0.1	<0.1	<0.1	<0.1
3/27/2019	<0.1	0.49	<0.1	0.072	<0.1				
9/10/2019						0.034 (J)	0.035 (J)	0.044 (J)	0.032 (J)
9/11/2019	0.034 (J)	0.47	0.037 (J)	0.08 (J)	0.033 (J)				
3/31/2020						0.046 (J)		0.043 (J)	
4/1/2020	0.051 (J)	0.59	<0.1	0.11	<0.1		<0.1		0.048 (J)
4/2/2020									
9/15/2020		0.49	0.029 (J)		<0.1	<0.1	<0.1		<0.1
9/16/2020	<0.1			0.076 (J)				<0.1	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-1	GWC-11	GWC-17 (bg)	GWC-12	GWC-5[*GWB-5]...	GWC-21	GWC-10	GWC-20	GWC-15[*GWB-1...
4/19/2016									
4/20/2016	0.04 (J)	0.383	0.147 (J)	0.026 (J)	0.032 (J)				
4/21/2016						0.022 (J)	0.217 (J)	0.06 (J)	0.019 (J)
6/14/2016					<0.1				
6/15/2016	<0.1	0.28 (J)	0.1 (J)	<0.1					<0.1
6/16/2016						<0.1	0.13 (J)	<0.1	
8/9/2016			0.16 (J)		<0.1				<0.1
8/10/2016	<0.1	0.42		<0.1		<0.1	0.21	<0.1	
8/11/2016									
9/26/2016									
9/27/2016	<0.1	0.39	0.14 (J)	<0.1	<0.1	<0.1	0.17 (J)	<0.1	<0.1
9/28/2016									
11/14/2016									
11/15/2016	<0.1	0.43	0.16 (J)	<0.1	<0.1	<0.1	0.22	<0.1	<0.1
11/16/2016									
1/10/2017									
1/11/2017			0.16 (J)		<0.1				<0.1
1/12/2017	<0.1	0.41		<0.1		<0.1	0.12 (J)		
1/13/2017								0.083 (J)	
1/16/2017									
1/17/2017									
2/28/2017					<0.1				<0.1
3/1/2017	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	
3/2/2017									
4/19/2017									
4/20/2017	<0.1		0.12 (J)	<0.1	<0.1				<0.1
4/24/2017		0.37				<0.1	0.18 (J)		
4/25/2017								<0.1	
7/13/2017									
10/10/2017									
10/11/2017	<0.1	0.39	0.11 (J)		<0.1				<0.1
10/12/2017				<0.1		<0.1	0.18 (J)	<0.1	
12/13/2017		0.48							
1/10/2018					<0.1				
1/11/2018	<0.1	0.31	0.12 (J)	<0.1		<0.1	0.15 (J)		<0.1
1/12/2018								<0.1	
7/11/2018			0.13 (J)		<0.1	<0.1		<0.1	<0.1
7/12/2018	<0.1	0.25		<0.1			0.13 (J)		
1/29/2019			0.13 (J)		<0.1			0.031 (J)	<0.1
1/30/2019	<0.1	0.35		<0.1		<0.1	0.23 (J)		
3/26/2019					0.028				<0.1
3/27/2019	0.029	0.24	0.1	<0.1		<0.1	0.12	0.034	
9/10/2019					0.037 (J)				
9/11/2019	0.036 (J)	0.26	0.099 (J)	0.036 (J)		0.032 (J)	0.1	0.045 (J)	0.032 (J)
3/31/2020					0.061 (J)				
4/1/2020	<0.1		0.15	<0.1		0.04 (J)	0.26	0.082 (J)	0.05 (J)
4/2/2020		0.26							
9/15/2020	<0.1	0.21	0.099 (J)		<0.1	<0.1	0.11	0.032 (J)	<0.1
9/16/2020				<0.1					

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

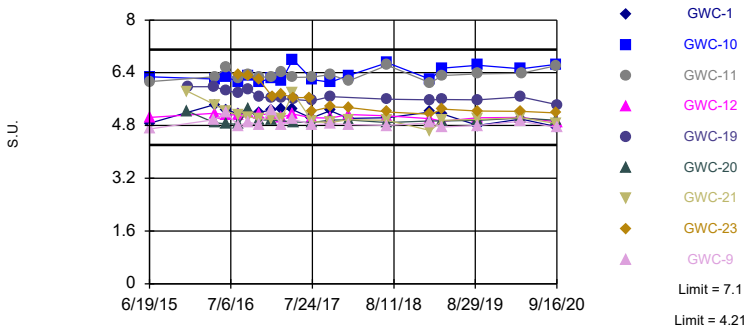
	GWC-23
4/19/2016	
4/20/2016	
4/21/2016	
6/14/2016	
6/15/2016	
6/16/2016	0.04 (J)
8/9/2016	
8/10/2016	<0.1
8/11/2016	
9/26/2016	
9/27/2016	
9/28/2016	0.097 (J)
11/14/2016	
11/15/2016	
11/16/2016	0.092 (J)
1/10/2017	
1/11/2017	
1/12/2017	
1/13/2017	
1/16/2017	
1/17/2017	<0.1
2/28/2017	
3/1/2017	
3/2/2017	<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	

Sanitas™ v.9.6.27 . 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 180 background values. Annual per-constituent alpha = 0.002179. Individual comparison alpha = 0.0001211 (1 of 2). Comparing 9 points to limit.

Constituent: pH Analysis Run 11/18/2020 9:46 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

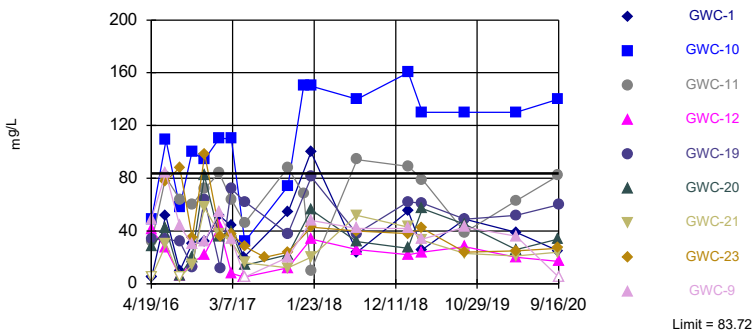
Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Exceeds Limit: GWC-10

Prediction Limit

Interwell Parametric



Background Data Summary (based on cube root transformation): Mean=2.805, Std. Dev.=0.8185, n=160, 12.5% NDs. Normality test: Chi Squared @alpha = 0.01, calculated = 13, critical = 14.07. Kappa = 1.918 (c=7, w=9, 1 of 2, event alpha = 0.05132). N exceeds UG tables; Kappa based on n=150. Report alpha = 0.007498. Individual comparison alpha = 0.0008358. Comparing 9 points to limit.

Constituent: Total Dissolved Solids Analysis Run 11/18/2020 9:46 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

Prediction Limit

Constituent: pH (S.U.) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-12	GWA-3 (bg)	GWC-5[*GWB-5]...	GWC-11	GWC-10	GWC-4A[*GWB-4...	GWC-1	GWA-2 (bg)	GWC-9
6/19/2015	5.05	5.23	5.95						
6/20/2015				6.13	6.28	4.92	4.87	4.69	4.7
12/14/2015									
12/15/2015									
4/19/2016		4.92						4.99	4.98
4/20/2016	5.17		5.85	6.28		4.9	5.43		
4/21/2016					6.21				
6/14/2016		4.89	5.53			4.9		4.98	
6/15/2016	5.12			6.55			5.28		5.2
6/16/2016					6.27				
8/9/2016		4.92	5.44					4.72	
8/10/2016	5.12			6.22	6.12		5.15		4.78
8/11/2016						5.37			
9/26/2016								4.74	
9/27/2016	5.19	5.25	5.59	6.33	6.29	5.89	5.19		4.91
9/28/2016									
11/14/2016		4.96				5.94			
11/15/2016	5.14		5.58	6.28	6.12		5.2	4.8	4.81
11/16/2016									
1/10/2017		4.21				5.44		4.59	
1/11/2017			5.56						
1/12/2017	5.13			6.26	6.23		5.27		
1/13/2017									5.28
1/16/2017									
1/17/2017									
2/28/2017		4.95	5.53			5.49		4.91	
3/1/2017	5.05			6.41	6.15		5.31		4.81
3/2/2017									
4/19/2017		5.12						4.98	
4/20/2017	5.15		5.63			5.51	5.29		
4/24/2017				6.26	6.8				4.99
4/25/2017									
7/13/2017									
7/17/2017								4.61	
7/18/2017		4.89	5.51			5.26			
7/19/2017							5.03		
7/20/2017	5.04								
7/24/2017				6.27	6.19				4.82
7/25/2017									
10/17/2017	5.03	4.96	5.62	6.35	6.11	5.28	5.25	4.93	4.85
1/10/2018		4.93	5.59			5.05		4.78	
1/11/2018	5.13			6.15	6.32		5.02		
1/12/2018									4.83
7/11/2018		4.87 (D)	5.49			4.53		4.75 (D)	
7/12/2018	5.09 (D)			6.63 (D)	6.7 (D)		5.04 (D)		4.8 (D)
1/29/2019		4.98	5.39			4.66		4.91	
1/30/2019	5.01			6.09	6.2		5.21		4.88
3/26/2019			5.45			4.72			
3/27/2019	4.93	4.8		6.32	6.54		5.15	4.69	4.75
9/10/2019			5.71			4.72			
9/11/2019	5.04	5.03		6.37	6.63		4.8	4.77	4.8
3/31/2020			5.45			5.06			

Prediction Limit

Constituent: pH (S.U.) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-12	GWA-3 (bg)	GWC-5[*GWB-5]...	GWC-11	GWC-10	GWC-4A[*GWB-4...	GWC-1	GWA-2 (bg)	GWC-9
4/1/2020	5.05	4.92			6.52		5	4.77	4.93
4/2/2020				6.38					
9/15/2020		4.72	5.27	6.62	6.66		4.76	4.52	
9/16/2020	4.91					4.87			4.74

Prediction Limit

Constituent: pH (S.U.) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-20	GWC-21	GWA-16[*GWB-1...	GWC-19	GWC-15[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)
6/19/2015									
6/20/2015									
12/14/2015	5.19	7.1	5.24	5.84	5.26				
12/15/2015						5.98	5.2	5.24	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		5.47	5.74	5.35
6/16/2016		6.84	4.85	5.23		5.85			
8/9/2016	5.09				5.07		5.01	5.41	4.89
8/10/2016			4.84	5.11		5.79			
8/11/2016		6.42							
9/26/2016									
9/27/2016	5.32		5.32	5.06	5.11		5.22	5.42	5.02
9/28/2016		6.57				5.9			
11/14/2016									
11/15/2016	5.25		4.97	5.01	5.11	5.66	5.07	5.33	5.04
11/16/2016		6.51							
1/10/2017									
1/11/2017	5.23	6.43			5.07		5	5.32	
1/12/2017				4.99					5.19
1/13/2017			4.97						
1/16/2017						5.65			
1/17/2017									
2/28/2017							5.1	5.32	4.86
3/1/2017	5.25	6.48		5	5.14	5.62			
3/2/2017									
4/19/2017									
4/20/2017	5.36				5.05		5.12	5.31	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		4.84	5.19	
7/20/2017									
7/24/2017									
7/25/2017		6.37	4.89	4.92		5.55			
10/17/2017	5.23	6.53	4.97	4.89	5.17	5.68	4.95	5.27	4.93
1/10/2018									4.9
1/11/2018	5.28			4.98	4.97		5.01	5.19	
1/12/2018		6.47	4.97						
7/11/2018	5.23 (D)	6.18 (D)	4.89 (D)	4.96 (D)	5.07	5.6 (D)	5.01	5.25 (D)	4.99 (D)
7/12/2018									
1/29/2019	5.35		4.94		4.83	5.58	5.18	5.25	4.82
1/30/2019		5.93		4.65					
3/26/2019					4.95		5.04	5.29	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 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-17 (bg)	GWC-18 (bg)	GWC-20	GWC-21	GWA-16[*GWB-1...	GWC-19	GWC-15[*GWB-1...	GWA-14 (bg)	GWA-13 (bg)
4/1/2020	5.3	6.15	5.03	5.04	4.95	5.67	5.35	5.26	
4/2/2020									
9/15/2020	5.29	6.13	4.96	4.86	5.02		4.92	5.83	5.07
9/16/2020						5.43			

Prediction Limit

Constituent: pH (S.U.) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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 11/18/2020 9:48 AM View: AIII
Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-23
4/1/2020	5.23
4/2/2020	
9/15/2020	5.18
9/16/2020	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWA-3 (bg)	GWC-19	GWC-18 (bg)	GWC-9	GWA-2 (bg)	GWA-13 (bg)	GWA-14 (bg)	GWC-4A[*GWB-4...	GWC-1
4/19/2016	<10	34	106	49	<10				
4/20/2016						<10	<10	<10	<10
4/21/2016									
6/14/2016	46				55	47	65	67	
6/15/2016				84					52
6/16/2016		34	150						
8/9/2016	18				6	10	24		
8/10/2016		32		44					10
8/11/2016			78					<10	
9/26/2016					24				
9/27/2016	30			30		16	14	28	30
9/28/2016		13	43						
11/14/2016	26							48	
11/15/2016		64		32	38	4 (J)	18		32
11/16/2016			140						
1/10/2017	18				18			22	
1/11/2017			64				6		
1/12/2017						26			52
1/13/2017				54					
1/16/2017		12							
1/17/2017									
2/28/2017	22				12	6	14	32	
3/1/2017		72	88	34					44
3/2/2017									
4/19/2017	14				14				
4/20/2017						<10	<10	20	20
4/24/2017				<10					
4/25/2017		62	92						
7/13/2017									
10/10/2017					10			24	
10/11/2017	30					32	22		54
10/12/2017		38	54	20					
12/12/2017									
12/13/2017									
1/10/2018	28				6	10		42	
1/11/2018							36		100
1/12/2018		81	110	48					
7/11/2018	12 (J)	38 (J)	16 (J)		16 (J)	28 (J)	20 (J)	<5 (J)	
7/12/2018				42 (J)					24 (J)
1/29/2019	27	62			36	24	22	26	
1/30/2019			100 (J)	42 (J)					55 (J)
3/26/2019						<10	17	39	
3/27/2019	35	61	79	34	36				26
9/10/2019						21	16	36	
9/11/2019	15	49	45	43	28				49
3/31/2020						17		27	
4/1/2020	20	52	73	36	32		<10		39
4/2/2020									
9/15/2020	<10		64		22	17	17		25
9/16/2020		60		<10				21	

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 CCR

	GWC-11	GWC-17 (bg)	GWC-5[*GWB-5]...	GWC-12	GWA-16[*GWB-1...	GWC-10	GWC-15[*GWB-1...	GWC-21	GWC-20
4/19/2016									
4/20/2016	32	29	<10	41	<10				
4/21/2016						49	<10	<10	28
6/14/2016			62						
6/15/2016	81	85		27	67		58		
6/16/2016						109		30	42
8/9/2016		<10	6		4 (J)		6		
8/10/2016	64			6		58		<10	6
8/11/2016									
9/26/2016									
9/27/2016	60	6	10	16	18	100	16	14	20
9/28/2016									
11/14/2016									
11/15/2016	72	24	32	22	26	94	18	58	82
11/16/2016									
1/10/2017									
1/11/2017		20	12		<10		8		
1/12/2017	84			44		110		38	
1/13/2017									36
1/16/2017									
1/17/2017									
2/28/2017			<10				4 (J)		
3/1/2017	64	38		8	6	110		32	40
3/2/2017									
4/19/2017									
4/20/2017		6	34	<10	<10		10		
4/24/2017	46					32		16	
4/25/2017									14
7/13/2017									
10/10/2017									
10/11/2017	88	48	40		24		26		
10/12/2017				12		74		12	22
12/12/2017						150			
12/13/2017	68								
1/10/2018			48						
1/11/2018	10	18		34	6	150	56	20	
1/12/2018									56
7/11/2018		22 (J)	22 (J)		24 (J)		<5 (J)	52 (J)	32 (J)
7/12/2018	94 (J)			26 (J)		140 (J)			
1/29/2019		37	34		26		23		27
1/30/2019	89 (J)			22 (J)		160 (J)		43 (J)	
3/26/2019			21		27		17		
3/27/2019	79	38		24		130		33	57
9/10/2019			13		13				
9/11/2019	39	31		28		130	15	23	45
3/31/2020			28						
4/1/2020		27		20	15	130	21	21	26
4/2/2020	63								
9/15/2020	82	26	23		14	140	13	24	34
9/16/2020				17					

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2020 9:48 AM View: AIII

Plant McIntosh Client: Southern Company Data: McIntosh LF 4 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	

FIGURE I.

Appendix III Trend Test - Significant Results

Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 12/4/2020, 3:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	**GWC-10**	**18.18**	**64**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Appendix III Trend Test - All Results

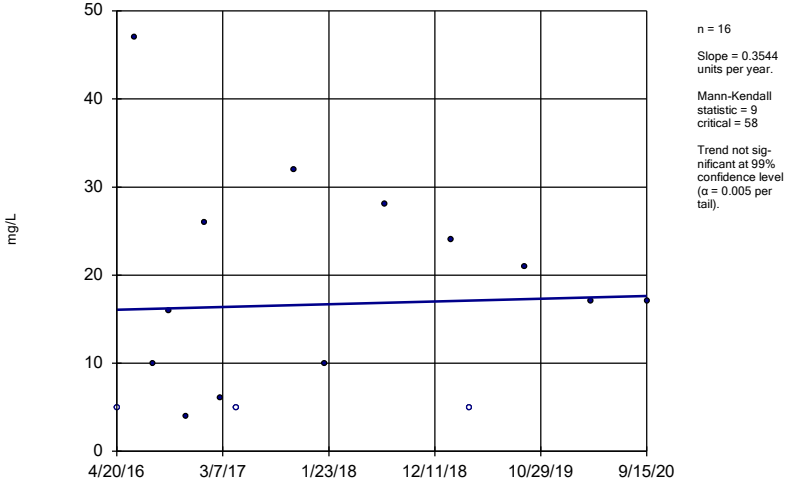
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR Printed 12/4/2020, 3:52 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids (mg/L)	GWA-13 (bg)	0.3544	9	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-14 (bg)	-0.3671	-10	-58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-16[*GWB-16] (bg)	2.347	20	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-2 (bg)	1.6	10	58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWA-3 (bg)	-1.591	-15	-58	No	16	12.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	**GWC-10**	**18.18**	**64**	**63**	**Yes**	**17**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Total Dissolved Solids (mg/L)	GWC-15[*GWB-15] (bg)	0.5691	4	58	No	16	12.5	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-17 (bg)	2.002	14	58	No	16	6.25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-18 (bg)	-9.853	-33	-58	No	16	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-4A[*GWB-4A] (bg)	0.1466	3	58	No	16	18.75	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	GWC-5[*GWB-5] (bg)	3.378	20	58	No	16	12.5	n/a	n/a	0.01	NP

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-13 (bg)



n = 16

Slope = 0.3544 units per year.

Mann-Kendall statistic = 9
critical = 58

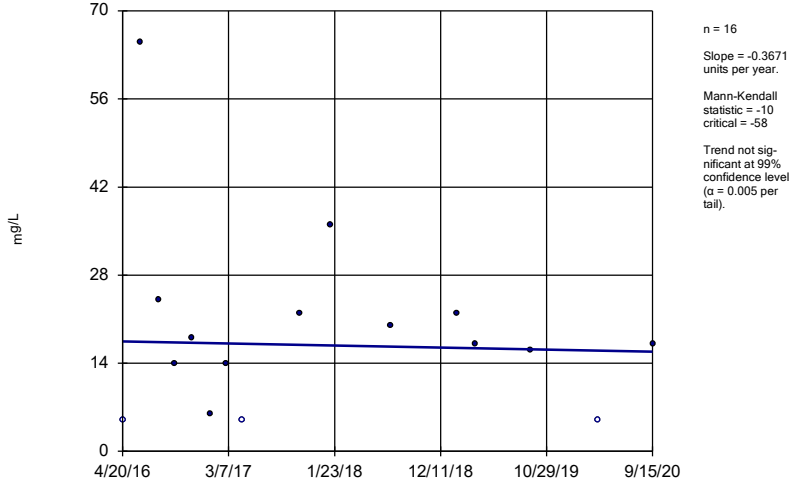
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-14 (bg)



n = 16

Slope = -0.3671 units per year.

Mann-Kendall statistic = -10
critical = -58

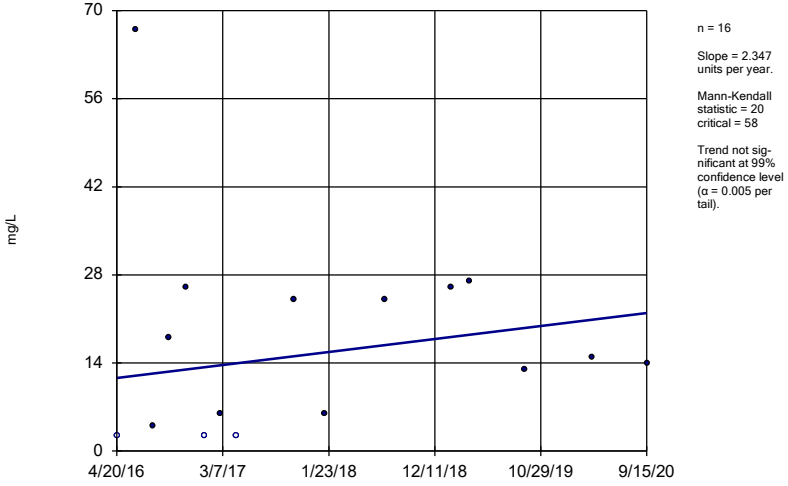
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-16[*GWB-16] (bg)



n = 16

Slope = 2.347 units per year.

Mann-Kendall statistic = 20
critical = 58

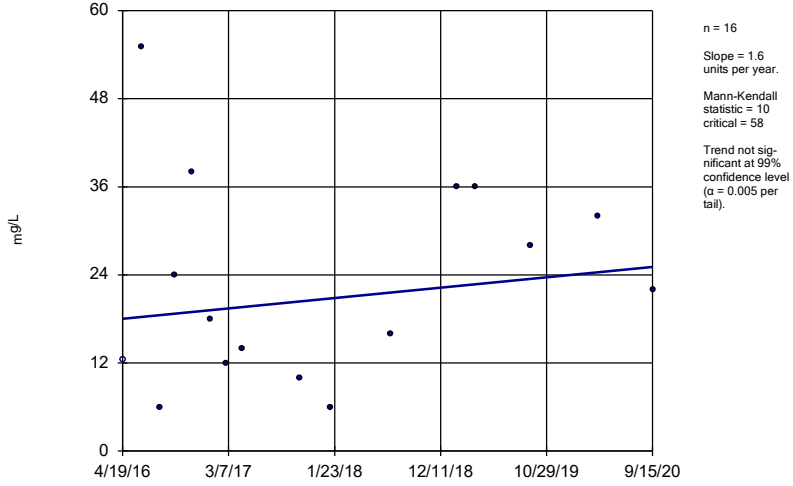
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 16

Slope = 1.6 units per year.

Mann-Kendall statistic = 10
critical = 58

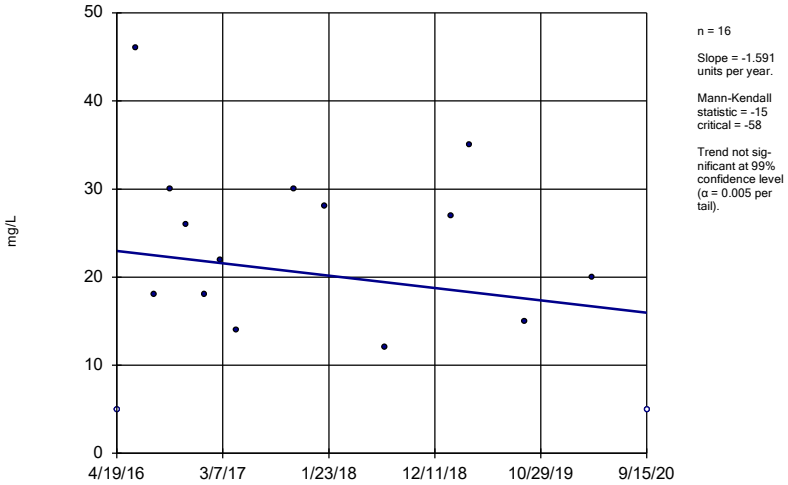
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 16

Slope = -1.591 units per year.

Mann-Kendall statistic = -15
critical = -58

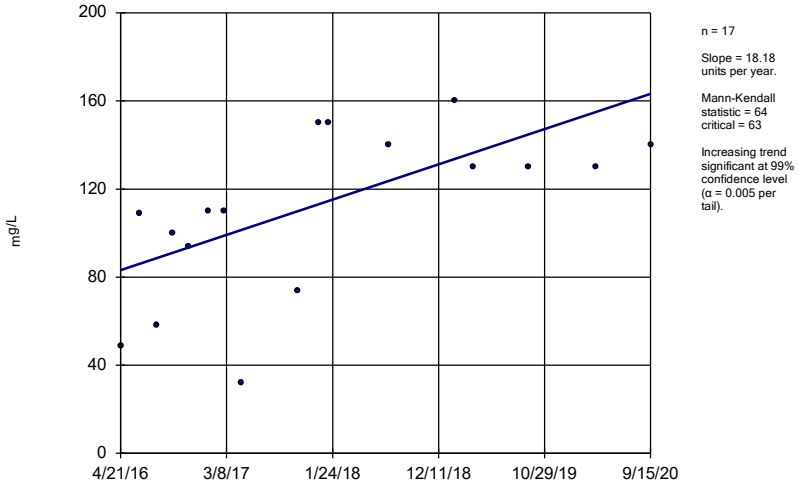
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWC-10



n = 17

Slope = 18.18 units per year.

Mann-Kendall statistic = 64
critical = 63

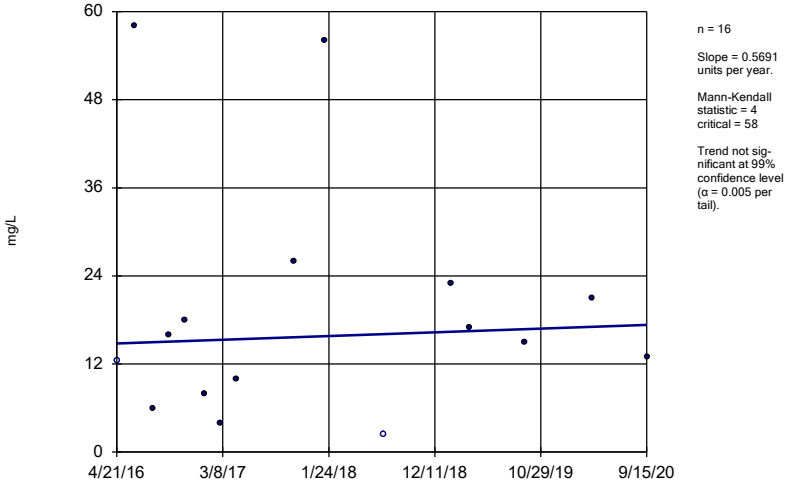
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-15[*GWB-15] (bg)



n = 16

Slope = 0.5691 units per year.

Mann-Kendall statistic = 4
critical = 58

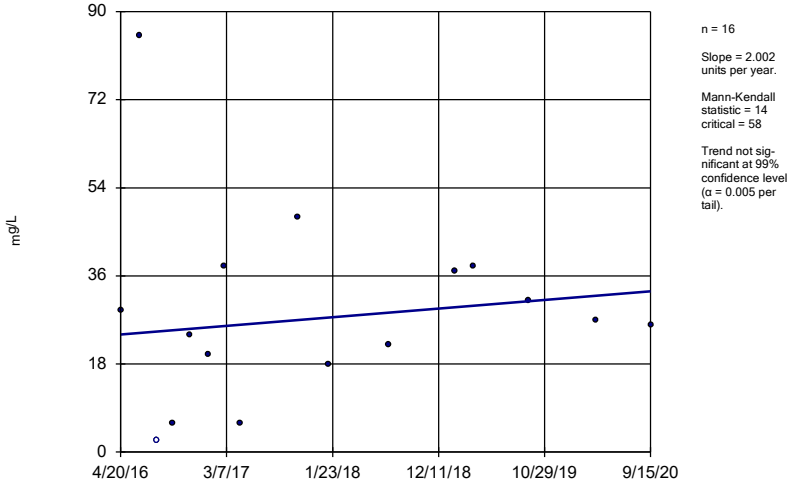
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-17 (bg)



n = 16

Slope = 2.002 units per year.

Mann-Kendall statistic = 14
critical = 58

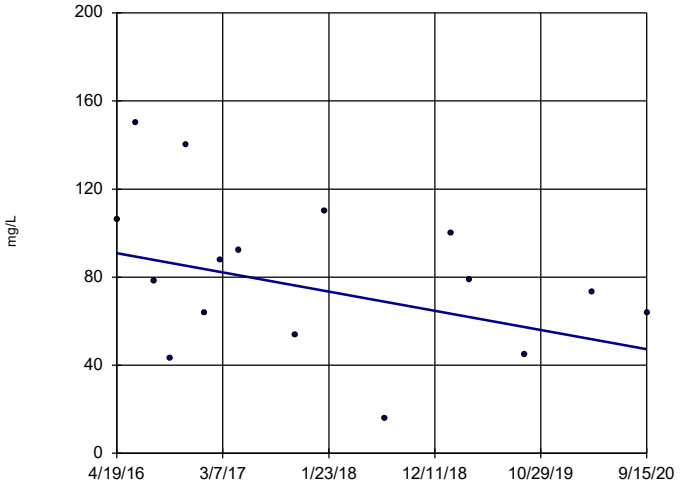
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Sen's Slope Estimator

GWC-18 (bg)



n = 16

Slope = -9.853 units per year.

Mann-Kendall statistic = -33 critical = -58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances

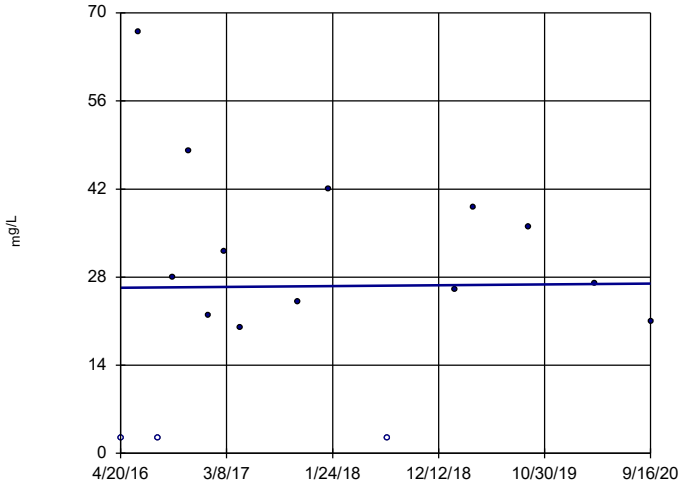
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-4A[*GWB-4A] (bg)



n = 16

Slope = 0.1466 units per year.

Mann-Kendall statistic = 3 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances

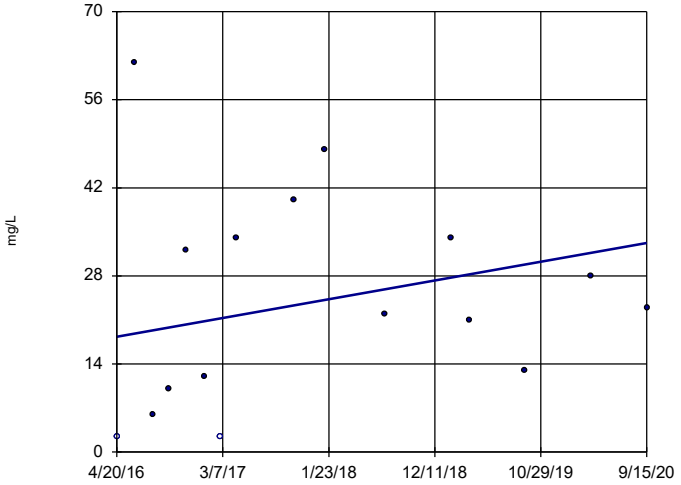
Plant McIntosh Client: Southern Company Data: McIntosh LF4 CCR

Sanitas™ v.9.6.27 . UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-5[*GWB-5] (bg)



n = 16

Slope = 3.378 units per year.

Mann-Kendall statistic = 20 critical = 58

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/4/2020 3:50 PM View: AIII Exceedances

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